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



August 2009



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Statistics Canada
Transportation Division

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

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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^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

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Highlights

- Aircraft take-offs and landings at Canadian airports with NAV CANADA air traffic control towers and flight service stations decreased (-5.3%) in August 2009 compared with August 2008. These 93 airports reported 553,605 movements in August 2009 compared with 584,875 movements at 95 airports in August 2008.
- Itinerant movements (flights from one airport to another) fell 4.5% (-19,046 movements) in August 2009 compared with the same month a year earlier.
- Local movements (flights that remain in the vicinity of the airport) declined by 7.6% (-12,224 movements) in August 2009 over the previous year.

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

	NAV CANADA towers		NAV CANADA Flight Service Stations		Total	
	number	Change from August 2009/ August 2008 percent	number	Change from August 2009/ August 2008 percent	number	Change from August 2009/ August 2008 percent
Grand total	432,036	-6.0	121,569	-2.8	553,605	-5.3
Itinerant movements						
Air carriers	218,876	-3.4	66,344	-7.4	285,220	-4.4
Other commercial movements	44,709	-8.4	7,534	-4.1	52,243	-7.8
Private movements	37,861	-1.0	14,919	-3.6	52,780	-1.7
Government civil movements	4,576	1.0	2,397	-0.5	6,973	0.5
Government military movements	4,875	-2.3	1,872	-21.6	6,747	-8.5
Itinerant total	310,897	-3.8	93,066	-6.7	403,963	-4.5
Local movements						
Civil local movements	118,401	-12.2	28,193	12.5	146,594	-8.3
Military local movements	2,738	56.5	310	18.3	3,048	51.5
Local total	121,139	-11.3	28,503	12.5	149,642	-7.6

Analysis

Aircraft take-offs and landings at Canadian airports with NAV CANADA air traffic control towers and flight service stations decreased (-5.3%) in August 2009 compared with August 2008. These 93 airports reported 553,605 movements in August 2009 compared with 584,875 movements at 95 airports in August 2008.

Itinerant movements (flights from one airport to another) fell 4.5% (-19,046 movements) in August 2009 compared with the same month a year earlier.

Local movements (flights that remain in the vicinity of the airport) declined by 7.6% (-12,224 movements) in August 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 432,036 aircraft take-offs and landings in August 2009 down 6.0% (-27,722 movements) compared with August 2008. Year-over-year increases in aircraft movements were reported by 11 of these airports in August 2009. The variations ranged from an increase of 38.3% at Winnipeg/St. Andrews, Manitoba to a decline of 31.3% at Hamilton, Ontario.

Itinerant movements (flights from one airport to another) decreased 3.8% (-12,325 movements) in August 2009 compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 55.0% increase (+2,335 movements) at Pitt Meadows, British Columbia to a decline of 22.6% (-1,135 movements) at St-Jean, Quebec.

Local movements (flights that remain in the vicinity of the airport) fell by 15,397 movements (-11.3%) in August 2009 compared with August 2008. Winnipeg/St. Andrews, Manitoba recorded the largest gain in local movements, increasing by 1,985 movements (+51.3%) while Montréal/St-Hubert, Quebec reported the largest decline with 5,186 fewer movements (-33.9%) compared with the previous year.

The Flight Service Station at Fort McMurray, Alberta closed effective October 2008 and re-opened as an Air Traffic Control Tower. Fort McMurray reported 6,391 movements in August 2008 compared with 5,716 movements reported for the Air Traffic Control Tower in August 2009, down 10.6%.

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 2,068 movements in August 2008 compared with 2,554 movements reported for the Flight Service Station in August 2009, up 23.5%.

Airports with NAV CANADA flight service stations

The 52 Canadian airports with NAV CANADA flight service stations reported 121,569 aircraft take-offs and landings in August 2009 down 2.8% (-3,548 movements) compared with August 2008. Year-over-year increases in aircraft movements were reported by 16 of these airports in August 2009. The variations ranged from a 163.2% increase (+1,849 movements) at Williams Lake, British Columbia to a decline of 55.7% (-1,093 movements) at Whitecourt, Alberta.

Itinerant movements (flights from one airport to another) decreased by 6.7% (-6,721 movements) in August 2009 compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 151.3% increase (+1,639 movements) at Williams Lake, British Columbia to a decline of 38.8% (-1,066 movements) at Fort St. John, British Columbia.

Local movements (flights that remain in the vicinity of the airport) recorded in August 2009 increased by 12.5% (+3,173 movements) compared with the same month a year earlier. Fredericton International, New Brunswick recorded the largest gain in local movements, increasing by 2,948 movements (+153.1%) compared with August 2008. Whitecourt, Alberta recorded the largest decline in local movements, dropping 798 movements (-91.9%) compared with August 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
51-207-X	Air Charter Statistics
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

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
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401-0017	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA flight service stations, monthly

401-0018	Itinerant movements, by type of power plant, airports with NAV CANADA flight service stations, monthly
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401-0037	Annual aircraft movements, by class of operation and type of operation, airports without air traffic control towers

401-0038 Annual itinerant movements, by weight group and type of power plant, airports without air traffic control towers

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	17	9,996	24	4,657	10	5,339
Boundary Bay	6	18,205	12	8,222	2	9,983
Calgary International	3	20,132	3	20,068	37	64
Calgary/Springbank	13	13,499	20	5,749	4	7,750
Chicoutimi/St-Honoré	34	4,586	36	2,429	21	2,157
Edmonton City Centre	24	6,743	19	5,783	25	960
Edmonton International	16	10,696	7	10,525	36	171
Edmonton/Villeneuve	30	5,538	39	2,056	14	3,482
Fort McMurray	29	5,716	22	5,080	30	636
Gander International	41	2,378	41	1,715	29	663
Halifax/Robert L Stanfield International	23	8,143	14	7,797	35	346
Hamilton	35	4,009	33	3,133	27	876
Kelowna	25	6,522	25	4,575	22	1,947
Kitchener/Waterloo	21	8,751	23	4,875	13	3,876
Langley	27	6,393	31	3,535	17	2,858
London	11	14,655	15	7,666	6	6,989
Moncton/Greater Moncton International	12	14,476	11	8,402	7	6,074
Montréal/Pierre Elliott Trudeau International	5	19,411	4	19,411	0	0
Montréal/St-Hubert	4	19,570	8	9,464	1	10,106
Oshawa	31	5,505	34	2,992	19	2,513
Ottawa/Macdonald-Cartier International	9	14,743	5	11,673	16	3,070
Pitt Meadows	10	14,656	16	6,578	3	8,078
Prince George	38	3,631	35	2,891	28	740
Québec/Jean Lesage International	14	13,132	10	9,109	12	4,023
Regina International	26	6,491	27	4,240	20	2,251
Saskatoon/John G Diefenbaker International	20	9,083	18	5,809	15	3,274
Sault Ste. Marie	36	3,883	37	2,280	23	1,603
St. John's International	37	3,797	32	3,376	34	421
St-Jean	32	4,845	29	3,897	26	948
Thunder Bay	22	8,242	21	5,422	18	2,820
Toronto/Buttonville Municipal	7	15,517	13	8,114	5	7,403
Toronto/City Centre	18	9,561	26	4,497	11	5,064
Toronto/Lester B Pearson International	1	36,215	1	36,215	0	0
Vancouver Harbour	28	6,110	17	6,110	0	0
Vancouver International	2	30,336	2	30,336	0	0
Victoria International	8	15,308	9	9,430	8	5,878
Whitehorse International	40	2,575	40	2,004	31	571
Windsor	39	3,515	38	2,187	24	1,328
Winnipeg/James Armstrong Richardson International	15	11,345	6	10,839	33	506
Winnipeg/St. Andrews	19	9,502	30	3,647	9	5,855
Yellowknife	33	4,625	28	4,109	32	516
Total of NAV CANADA towers (41)	.	432,036	.	310,897	.	121,139

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	37	1,338	42	976	20	362
Campbell River	3	5,461	4	3,108	2	2,353
Castlegar	42	1,262	43	960	21	302
Charlottetown	12	3,178	11	2,466	15	712
Churchill	45	976	44	954	43	22
Cranbrook	30	1,615	41	1,061	17	554
Deer Lake	31	1,498	28	1,480	44	18
Fort Nelson	22	2,038	19	1,940	33	98
Fort St John	28	1,788	26	1,681	32	107
Fredericton International	1	10,972	1	6,098	1	4,874
Grande Prairie	7	3,690	7	2,649	10	1,041
High Level	36	1,358	34	1,216	27	142
Îles-de-la-Madeleine	52	439	52	439	0	0
Inuvik/Mike Zubko	25	1,953	21	1,903	37	50
Iqaluit	18	2,675	10	2,491	24	184
Kamloops	2	6,349	2	4,427	4	1,922
Kenora	41	1,274	37	1,166	31	108
Kingston	13	3,166	15	2,054	9	1,112
Kuujuuaq	39	1,307	32	1,267	40	40
La Grande Rivière	49	750	49	744	48	6
La Ronge	34	1,414	33	1,266	25	148
Lethbridge	24	1,975	30	1,355	16	620
Lloydminster	32	1,417	45	865	18	552
Medicine Hat	33	1,416	36	1,168	23	248
Mont-Joli	50	557	50	493	35	64
Montréal/Mirabel International	20	2,554	23	1,828	14	726
Nanaimo	6	3,730	9	2,496	8	1,234
Norman Wells	35	1,396	29	1,372	42	24
North Bay	8	3,645	25	1,717	3	1,928
Ottawa/Gatineau	5	3,904	16	2,036	5	1,868
Peace River	48	835	48	785	38	50
Penticton	11	3,181	14	2,255	11	926
Port Hardy	27	1,898	22	1,898	0	0
Prince Albert	29	1,699	27	1,589	30	110
Prince Rupert	51	516	51	474	39	42
Rankin Inlet	38	1,313	31	1,311	49	2
Red Deer Regional	9	3,530	18	2,020	7	1,510
Rouyn-Noranda	23	2,014	35	1,194	12	820
Saint John	26	1,926	24	1,780	26	146
Sept-Îles	15	3,039	13	2,303	13	736
Sioux Lookout	19	2,564	12	2,432	29	132
Smithers	44	1,103	40	1,087	45	16
St Catharines	10	3,522	20	1,904	6	1,618
Sudbury	17	2,970	8	2,588	19	382
Terrace	43	1,171	39	1,157	46	14
Thompson	14	3,039	5	2,981	36	58
Timmins	21	2,074	17	2,036	41	38
Val-d'Or	40	1,307	38	1,165	28	142
Victoria Harbour	4	4,061	3	4,061	0	0
Wabush	47	860	46	848	47	12
Whitecourt	46	870	47	800	34	70
Williams Lake	16	2,982	6	2,722	22	260
Total of all flight service stations (52)	.	121,569	.	93,066	.	28,503

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	8,479	2,558	1,769	4,152	1,517	330	1,187
Boundary Bay	18,177	6,438	1,756	9,983	28	28	0
Calgary International	19,984	18,725	1,199	60	148	144	4
Calgary/Springbank	13,453	3,938	1,765	7,750	46	46	0
Chicoutimi/St-Honoré	4,580	2,048	378	2,154	6	3	3
Edmonton City Centre	6,658	4,373	1,328	957	85	82	3
Edmonton International	10,628	10,005	460	163	68	60	8
Edmonton/Villeneuve	5,288	1,262	548	3,478	250	246	4
Fort McMurray	5,711	4,391	684	636	5	5	0
Gander International	1,869	1,158	272	439	509	285	224
Halifax/Robert L Stanfield International	7,953	7,232	429	292	190	136	54
Hamilton	3,982	2,254	852	876	27	27	0
Kelowna	6,404	3,566	949	1,889	118	60	58
Kitchener/Waterloo	8,686	3,401	1,413	3,872	65	61	4
Langley	6,393	2,157	1,378	2,858	0	0	0
London	14,632	6,464	1,184	6,984	23	18	5
Moncton/Greater Moncton International	14,396	7,952	394	6,050	80	56	24
Montréal/Pierre Elliott Trudeau International	19,375	17,841	1,534	0	36	36	0
Montréal/St-Hubert	19,416	7,664	1,654	10,098	154	146	8
Oshawa	5,503	2,055	935	2,513	2	2	0
Ottawa/Macdonald-Cartier International	14,527	10,314	1,151	3,062	216	208	8
Pitt Meadows	14,622	4,663	1,881	8,078	34	34	0
Prince George	3,577	2,013	850	714	54	28	26
Québec/Jean Lesage International	12,919	7,192	1,725	4,002	213	192	21
Regina International	6,271	3,352	717	2,202	220	171	49
Saskatoon/John G Diefenbaker International	8,685	4,369	1,175	3,141	398	265	133
Sault Ste. Marie	3,833	1,882	360	1,591	50	38	12
St. John's International	3,498	2,857	264	377	299	255	44
St-Jean	4,005	862	2,195	948	840	840	0
Thunder Bay	8,080	4,809	507	2,764	162	106	56
Toronto/Buttonville Municipal	15,514	5,565	2,547	7,402	3	2	1
Toronto/City Centre	9,554	3,873	617	5,064	7	7	0
Toronto/Lester B Pearson International	36,198	35,017	1,181	0	17	17	0
Vancouver Harbour	6,106	5,988	118	0	4	4	0
Vancouver International	30,299	28,466	1,833	0	37	37	0
Victoria International	14,826	7,074	2,132	5,620	482	224	258
Whitehorse International	2,451	1,584	402	465	124	18	106
Windsor	3,320	1,523	551	1,246	195	113	82
Winnipeg/James Armstrong Richardson International	10,821	9,689	724	408	524	426	98
Winnipeg/St. Andrews	9,490	3,251	384	5,855	12	12	0
Yellowknife	4,260	3,760	242	258	365	107	258
Total of NAV CANADA towers (41)	424,423	263,585	42,437	118,401	7,613	4,875	2,738

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	1,179	498	355	326	159	123	36
Campbell River	5,392	2,209	830	2,353	69	69	0
Castlegar	1,244	800	142	302	18	18	0
Charlottetown	3,125	1,971	442	712	53	53	0
Churchill	974	848	104	22	2	2	0
Cranbrook	1,591	640	397	554	24	24	0
Deer Lake	1,478	1,339	121	18	20	20	0
Fort Nelson	2,018	1,679	241	98	20	20	0
Fort St John	1,779	1,312	360	107	9	9	0
Fredericton International	10,863	5,646	349	4,868	109	103	6
Grande Prairie	3,688	2,143	504	1,041	2	2	0
High Level	1,349	1,102	105	142	9	9	0
Îles-de-la-Madeleine	437	353	84	0	2	2	0
Inuvik/Mike Zubko	1,937	1,838	49	50	16	16	0
Iqaluit	2,497	2,061	274	162	178	156	22
Kamloops	6,319	3,815	582	1,922	30	30	0
Kenora	1,185	722	399	64	89	45	44
Kingston	3,111	1,446	553	1,112	55	55	0
Kuujuuaq	1,307	1,196	71	40	0	0	0
La Grande Rivière	750	674	70	6	0	0	0
La Ronge	1,325	913	264	148	89	89	0
Lethbridge	1,832	874	440	518	143	41	102
Lloydminster	1,405	426	433	546	12	6	6
Medicine Hat	1,378	763	367	248	38	38	0
Mont-Joli	557	382	111	64	0	0	0
Montréal/Mirabel International	2,508	1,428	378	702	46	22	24
Nanaimo	3,612	1,259	1,161	1,192	118	76	42
Norman Wells	1,385	1,273	88	24	11	11	0
North Bay	3,583	1,237	436	1,910	62	44	18
Ottawa/Gatineau	3,893	1,067	958	1,868	11	11	0
Peace River	833	684	99	50	2	2	0
Penticton	3,074	1,639	519	916	107	97	10
Port Hardy	1,870	1,639	231	0	28	28	0
Prince Albert	1,662	1,236	316	110	37	37	0
Prince Rupert	514	353	119	42	2	2	0
Rankin Inlet	1,311	1,275	34	2	2	2	0
Red Deer Regional	3,498	1,271	717	1,510	32	32	0
Rouyn-Noranda	2,004	923	261	820	10	10	0
Saint John	1,892	1,347	399	146	34	34	0
Sept-Îles	3,035	2,004	295	736	4	4	0
Sioux Lookout	2,558	2,297	129	132	6	6	0
Smithers	1,103	917	170	16	0	0	0
St Catharines	3,102	895	589	1,618	420	420	0
Sudbury	2,946	2,002	562	382	24	24	0
Terrace	1,159	1,028	117	14	12	12	0
Thompson	3,014	2,719	237	58	25	25	0
Timmins	2,072	1,716	318	38	2	2	0
Val-d'Or	1,293	836	315	142	14	14	0
Victoria Harbour	4,051	3,398	653	0	10	10	0
Wabush	858	764	82	12	2	2	0
Whitcourt	864	697	97	70	6	6	0
Williams Lake	2,973	2,324	389	260	9	9	0
Total of all flight service stations (52)	119,387	73,878	17,316	28,193	2,182	1,872	310

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
	number						
Abbotsford	4,657	491	1,519	548	1,513	256	330
Boundary Bay	8,222	17	1,789	4,632	1,745	11	28
Calgary International	20,068	17,145	1,073	507	1,119	80	144
Calgary/Springbank	5,749	63	531	3,344	1,756	9	46
Chicoutimi/St-Honoré	2,429	8	928	1,112	374	4	3
Edmonton City Centre	5,783	1,411	516	2,446	1,004	324	82
Edmonton International	10,525	9,510	422	73	440	20	60
Edmonton/Villeneuve	2,056	5	134	1,123	538	10	246
Fort McMurray	5,080	2,863	1,154	374	664	20	5
Gander International	1,715	468	666	24	247	25	285
Halifax/Robert L Stanfield International	7,797	6,360	833	39	385	44	136
Hamilton	3,133	1,611	486	157	678	174	27
Kelowna	4,575	2,429	286	851	848	101	60
Kitchener/Waterloo	4,875	244	2,400	757	1,386	27	61
Langley	3,535	100	285	1,772	1,347	31	0
London	7,666	1,427	1,094	3,943	1,126	58	18
Moncton/Greater Moncton International	8,402	1,801	5,950	201	248	146	56
Montréal/Pierre Elliott Trudeau International	19,411	16,627	838	376	1,335	199	36
Montréal/St-Hubert	9,464	3,788	499	3,377	1,560	94	146
Oshawa	2,992	48	139	1,868	889	46	2
Ottawa/Macdonald-Cartier International	11,673	7,291	729	2,294	664	487	208
Pitt Meadows	6,578	12	2,244	2,407	1,836	45	34
Prince George	2,891	1,173	703	137	572	278	28
Québec/Jean Lesage International	9,109	4,006	1,894	1,292	1,395	330	192
Regina International	4,240	2,025	1,269	58	573	144	171
Saskatoon/John G Diefenbaker International	5,809	2,829	796	744	847	328	265
Sault Ste. Marie	2,280	846	178	858	312	48	38
St. John's International	3,376	2,142	675	40	221	43	255
St-Jean	3,897	249	166	447	2,181	14	840
Thunder Bay	5,422	2,923	967	919	389	118	106
Toronto/Buttonville Municipal	8,114	381	629	4,555	2,493	54	2
Toronto/City Centre	4,497	1,839	1,021	1,013	597	20	7
Toronto/Lester B Pearson International	36,215	34,455	415	147	1,164	17	17
Vancouver Harbour	6,110	5,284	693	11	114	4	4
Vancouver International	30,336	26,132	2,010	324	1,357	476	37
Victoria International	9,430	3,453	2,936	685	2,084	48	224
Whitehorse International	2,004	990	465	129	353	49	18
Windsor	2,187	445	965	113	549	2	113
Winnipeg/James Armstrong Richardson International	10,839	9,051	536	102	428	296	426
Winnipeg/St. Andrews	3,647	676	1,751	824	374	10	12
Yellowknife	4,109	3,245	429	86	156	86	107
Total of NAV CANADA towers (41)	310,897	175,863	43,013	44,709	37,861	4,576	4,875

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	976	115	264	119	342	13	123
Campbell River	3,108	564	942	703	790	40	69
Castlegar	960	299	254	247	132	10	18
Charlottetown	2,466	1,080	480	411	396	46	53
Churchill	954	820	16	12	65	39	2
Cranbrook	1,061	567	41	32	384	13	24
Deer Lake	1,480	1,053	225	61	88	33	20
Fort Nelson	1,940	342	806	531	229	12	20
Fort St John	1,681	696	534	82	340	20	9
Fredericton International	6,098	902	4,503	241	249	100	103
Grande Prairie	2,649	1,056	1,021	66	466	38	2
High Level	1,216	182	856	64	99	6	9
Îles-de-la-Madeleine	439	327	12	14	50	34	2
Inuvik/Mike Zubko	1,903	534	1,256	48	4	45	16
Iqaluit	2,491	1,654	275	132	126	148	156
Kamloops	4,427	1,029	2,431	355	529	53	30
Kenora	1,166	344	302	76	366	33	45
Kingston	2,054	486	452	508	503	50	55
Kuujuuaq	1,267	991	203	2	42	29	0
La Grande Rivière	744	496	162	16	60	10	0
La Ronge	1,266	861	45	7	59	205	89
Lethbridge	1,355	414	43	417	434	6	41
Lloydminster	865	109	273	44	401	32	6
Medicine Hat	1,168	539	74	150	359	8	38
Mont-Joli	493	305	32	45	95	16	0
Montréal/Mirabel International	1,828	774	380	274	373	5	22
Nanaimo	2,496	503	591	165	1,136	25	76
Norman Wells	1,372	660	613	0	35	53	11
North Bay	1,717	462	435	340	414	22	44
Ottawa/Gatineau	2,036	83	343	641	852	106	11
Peace River	785	300	319	65	81	18	2
Penticton	2,255	333	1,195	111	509	10	97
Port Hardy	1,898	1,544	81	14	180	51	28
Prince Albert	1,589	1,084	94	58	177	139	37
Prince Rupert	474	224	125	4	93	26	2
Rankin Inlet	1,311	1,062	207	6	19	15	2
Red Deer Regional	2,020	129	904	238	678	39	32
Rouyn-Noranda	1,194	458	144	321	229	32	10
Saint John	1,780	829	443	75	389	10	34
Sept-Îles	2,303	1,226	742	36	189	106	4
Sioux Lookout	2,432	1,840	433	24	107	22	6
Smithers	1,087	453	430	34	146	24	0
St Catharines	1,904	23	742	130	572	17	420
Sudbury	2,588	1,302	609	91	444	118	24
Terrace	1,157	541	473	14	79	38	12
Thompson	2,981	2,307	410	2	52	185	25
Timmins	2,036	1,321	368	27	201	117	2
Val-d'Or	1,165	663	104	69	273	42	14
Victoria Harbour	4,061	3,380	14	4	571	82	10
Wabush	848	570	184	10	72	10	2
Whitecourt	800	11	569	117	82	15	6
Williams Lake	2,722	429	1,614	281	358	31	9
Total of all flight service stations (52)	93,066	38,276	28,068	7,534	14,919	2,397	1,872

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	
Abbotsford	4,657	1,073	23.0	3,584	76.9	1,818
Boundary Bay	8,222	262	3.1	7,960	96.8	774
Calgary International	20,068	18,947	94.4	1,121	5.5	716
Calgary/Springbank	5,749	328	5.7	5,421	94.2	2,846
Chicoutimi/St-Honoré	2,429	115	4.7	2,314	95.2	193
Edmonton City Centre	5,783	2,187	37.8	3,596	62.1	1,622
Edmonton International	10,525	10,119	96.1	406	3.8	880
Edmonton/Villeneuve	2,056	29	1.4	2,027	98.5	178
Fort McMurray	5,080	2,016	39.6	3,064	60.3	191
Gander International	1,715	1,130	65.8	585	34.1	146
Halifax/Robert L Stanfield International	7,797	6,982	89.5	815	10.4	311
Hamilton	3,133	2,066	65.9	1,067	34.0	888
Kelowna	4,575	2,724	59.5	1,851	40.4	1,583
Kitchener/Waterloo	4,875	795	16.3	4,080	83.6	854
Langley	3,535	40	1.1	3,495	98.8	762
London	7,666	2,001	26.1	5,665	73.8	1,025
Moncton/Greater Moncton International	8,402	2,948	35.0	5,454	64.9	492
Montréal/Pierre Elliott Trudeau International	19,411	18,456	95.0	955	4.9	1,775
Montréal/St-Hubert	9,464	1,950	20.6	7,514	79.3	1,046
Oshawa	2,992	161	5.3	2,831	94.6	666
Ottawa/Macdonald-Cartier International	11,673	8,285	70.9	3,388	29.0	1,662
Pitt Meadows	6,578	33	0.5	6,545	99.4	2,403
Prince George	2,891	1,335	46.1	1,556	53.8	289
Québec/Jean Lesage International	9,109	5,014	55.0	4,095	44.9	2,081
Regina International	4,240	2,496	58.8	1,744	41.1	120
Saskatoon/John G Diefenbaker International	5,809	3,564	61.3	2,245	38.6	328
Sault Ste. Marie	2,280	1,229	53.9	1,051	46.0	147
St. John's International	3,376	3,041	90.0	335	9.9	237
St-Jean	3,897	258	6.6	3,639	93.3	1,053
Thunder Bay	5,422	3,621	66.7	1,801	33.2	250
Toronto/Buttonville Municipal	8,114	696	8.5	7,418	91.4	852
Toronto/City Centre	4,497	2,197	48.8	2,300	51.1	3,261
Toronto/Lester B Pearson International	36,215	35,986	99.3	229	0.6	106
Vancouver Harbour	6,110	45	0.7	6,065	99.2	3,089
Vancouver International	30,336	22,184	73.1	8,152	26.8	10,535
Victoria International	9,430	3,766	39.9	5,664	60.0	5,747
Whitehorse International	2,004	665	33.1	1,339	66.8	211
Windsor	2,187	626	28.6	1,561	71.3	124
Winnipeg/James Armstrong Richardson International	10,839	9,727	89.7	1,112	10.2	499
Winnipeg/St. Andrews	3,647	161	4.4	3,486	95.5	104
Yellowknife	4,109	2,136	51.9	1,973	48.0	701
Total of NAV CANADA towers (41)	310,897	181,394	58.3	129,503	41.7	52,565

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	
Brandon Municipal	976	210	21.5	766	78.4	100
Campbell River	3,108	587	18.8	2,521	81.1	777
Castlegar	960	314	32.7	646	67.2	187
Charlottetown	2,466	1,326	53.7	1,140	46.2	28
Churchill	954	825	86.4	129	13.5	155
Cranbrook	1,061	637	60.0	424	39.9	188
Deer Lake	1,480	1,266	85.5	214	14.4	67
Fort Nelson	1,940	369	19.0	1,571	80.9	160
Fort St John	1,681	689	40.9	992	59.0	147
Fredericton International	6,098	1,671	27.4	4,427	72.5	138
Grande Prairie	2,649	1,271	47.9	1,378	52.0	386
High Level	1,216	284	23.3	932	76.6	255
Îles-de-la-Madeleine	439	395	89.9	44	10.0	0
Inuvik/Mike Zubko	1,903	383	20.1	1,520	79.8	134
Iqaluit	2,491	1,546	62.0	945	37.9	263
Kamloops	4,427	1,098	24.8	3,329	75.1	599
Kenora	1,166	570	48.8	596	51.1	408
Kingston	2,054	691	33.6	1,363	66.3	160
Kuujuaq	1,267	547	43.1	720	56.8	457
La Grande Rivière	744	575	77.2	169	22.7	189
La Ronge	1,266	605	47.7	661	52.2	867
Lethbridge	1,355	554	40.8	801	59.1	61
Lloydminster	865	198	22.8	667	77.1	44
Medicine Hat	1,168	368	31.5	800	68.4	184
Mont-Joli	493	298	60.4	195	39.5	51
Montréal/Mirabel International	1,828	1,037	56.7	791	43.2	1,115
Nanaimo	2,496	643	25.7	1,853	74.2	1,830
Norman Wells	1,372	194	14.1	1,178	85.8	356
North Bay	1,717	642	37.3	1,075	62.6	586
Ottawa/Gatineau	2,036	155	7.6	1,881	92.3	167
Peace River	785	284	36.1	501	63.8	119
Penticton	2,255	358	15.8	1,897	84.1	244
Port Hardy	1,898	690	36.3	1,208	63.6	327
Prince Albert	1,589	1,227	77.2	362	22.7	153
Prince Rupert	474	319	67.2	155	32.7	21
Rankin Inlet	1,311	1,008	76.8	303	23.1	70
Red Deer Regional	2,020	247	12.2	1,773	87.7	402
Rouyn-Noranda	1,194	631	52.8	563	47.1	184
Saint John	1,780	1,090	61.2	690	38.7	62
Sept-Îles	2,303	1,324	57.4	979	42.5	371
Sioux Lookout	2,432	1,887	77.5	545	22.4	1,315
Smithers	1,087	432	39.7	655	60.2	589
St Catharines	1,904	122	6.4	1,782	93.5	381
Sudbury	2,588	1,717	66.3	871	33.6	245
Terrace	1,157	545	47.1	612	52.8	142
Thompson	2,981	1,709	57.3	1,272	42.6	286
Timmins	2,036	1,567	76.9	469	23.0	178
Val-d'Or	1,165	714	61.2	451	38.7	928
Victoria Harbour	4,061	36	0.8	4,025	99.1	733
Wabush	848	658	77.5	190	22.4	328
Whitecourt	800	39	4.8	761	95.1	172
Williams Lake	2,722	495	18.1	2,227	81.8	514
Total of all flight service stations (52)	93,066	37,047	39.8	56,019	60.2	17,823

1. Total excludes runway 88 flights.

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Abbotsford	4,657	675	240	3,283	457	2
Boundary Bay	8,222	9	89	7,838	286	0
Calgary International	20,068	14,352	4,380	714	622	0
Calgary/Springbank	5,749	44	143	5,079	482	1
Chicoutimi/St-Honoré	2,429	4	97	2,028	300	0
Edmonton City Centre	5,783	436	1,602	3,062	682	1
Edmonton International	10,525	7,337	2,751	417	20	0
Edmonton/Villeneuve	2,056	11	20	1,722	155	148
Fort McMurray	5,080	1,212	1,284	1,412	1,172	0
Gander International	1,715	545	550	469	151	0
Halifax/Robert L Stanfield International	7,797	4,663	1,926	618	590	0
Hamilton	3,133	1,242	760	964	167	0
Kelowna	4,575	1,460	1,364	1,416	334	1
Kitchener/Waterloo	4,875	191	262	4,049	368	5
Langley	3,535	0	97	2,838	598	2
London	7,666	591	1,286	5,495	294	0
Moncton/Greater Moncton International	8,402	1,210	940	6,169	82	1
Montréal/Pierre Elliott Trudeau International	19,411	13,089	5,248	686	388	0
Montréal/St-Hubert	9,464	238	843	7,898	484	1
Oshawa	2,992	10	16	2,881	84	1
Ottawa/Macdonald-Cartier International	11,673	5,824	2,523	2,960	366	0
Pitt Meadows	6,578	2	185	5,970	407	14
Prince George	2,891	451	1,316	740	383	1
Québec/Jean Lesage International	9,109	1,689	3,003	3,657	756	4
Regina International	4,240	1,718	540	1,950	29	3
Saskatoon/John G Diefenbaker International	5,809	2,037	1,469	2,212	87	4
Sault Ste. Marie	2,280	59	1,046	1,160	15	0
St. John's International	3,376	1,619	1,358	122	276	1
St-Jean	3,897	0	48	2,162	39	1,648
Thunder Bay	5,422	788	2,904	1,340	390	0
Toronto/Buttonville Municipal	8,114	55	397	7,230	431	1
Toronto/City Centre	4,497	4	2,171	1,897	425	0
Toronto/Lester B Pearson International	36,215	30,518	5,611	65	21	0
Vancouver Harbour	6,110	0	3,161	2,263	686	0
Vancouver International	30,336	13,332	11,124	4,574	1,306	0
Victoria International	9,430	1,444	2,309	5,230	447	0
Whitehorse International	2,004	406	537	705	356	0
Windsor	2,187	203	477	1,393	106	8
Winnipeg/James Armstrong Richardson International	10,839	5,367	4,409	977	86	0
Winnipeg/St. Andrews	3,647	0	442	3,077	128	0
Yellowknife	4,109	941	2,319	490	359	0
Total of NAV CANADA towers (41)	310,897	113,776	71,247	109,212	14,815	1,847

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	976	32	190	663	89	2
Campbell River	3,108	113	831	1,523	641	0
Castlegar	960	8	451	330	171	0
Charlottetown	2,466	871	258	1,294	43	0
Churchill	954	16	838	70	30	0
Cranbrook	1,061	35	542	456	28	0
Deer Lake	1,480	359	904	185	32	0
Fort Nelson	1,940	38	378	435	1,089	0
Fort St John	1,681	247	527	384	523	0
Fredericton International	6,098	421	691	4,811	175	0
Grande Prairie	2,649	286	909	806	646	2
High Level	1,216	4	423	411	378	0
Îles-de-la-Madeleine	439	20	309	110	0	0
Inuvik/Mike Zubko	1,903	109	981	358	455	0
Iqaluit	2,491	439	1,555	216	281	0
Kamloops	4,427	136	1,858	1,069	1,360	4
Kenora	1,166	110	506	385	165	0
Kingston	2,054	41	618	1,279	116	0
Kujujuaq	1,267	144	918	26	179	0
La Grande Rivière	744	2	620	104	18	0
La Ronge	1,266	8	852	389	17	0
Lethbridge	1,355	43	485	811	16	0
Lloydminster	865	12	174	656	23	0
Medicine Hat	1,168	31	414	627	96	0
Mont-Joli	493	26	256	191	20	0
Montréal/Mirabel International	1,828	551	292	716	269	0
Nanaimo	2,496	98	583	1,738	76	1
Norman Wells	1,372	132	356	359	525	0
North Bay	1,717	76	595	691	354	1
Ottawa/Gatineau	2,036	18	109	1,666	241	2
Peace River	785	16	250	177	342	0
Penticton	2,255	85	637	944	589	0
Port Hardy	1,898	60	1,290	410	138	0
Prince Albert	1,589	24	1,227	290	48	0
Prince Rupert	474	60	286	35	93	0
Rankin Inlet	1,311	170	924	16	201	0
Red Deer Regional	2,020	55	202	1,690	73	0
Rouyn-Noranda	1,194	84	573	511	26	0
Saint John	1,780	443	531	762	44	0
Sept-Îles	2,303	40	1,211	696	356	0
Sioux Lookout	2,432	14	1,971	433	14	0
Smithers	1,087	14	590	231	252	0
St Catharines	1,904	37	62	1,351	448	6
Sudbury	2,588	74	1,668	531	315	0
Terrace	1,157	32	583	79	463	0
Thompson	2,981	19	2,305	367	290	0
Timmins	2,036	15	1,705	203	113	0
Val-d'Or	1,165	94	628	377	66	0
Victoria Harbour	4,061	0	2,664	835	562	0
Wabush	848	22	609	67	150	0
Whitecourt	800	4	116	130	550	0
Williams Lake	2,722	14	802	504	1,402	0
Total of all flight service stations (52)	93,066	5,802	39,257	33,398	14,591	18

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	3,054	513	166	39	236	113	470	54	4	8
Boundary Bay	7,723	363	118	5	0	12	1	0	0	0
Calgary International	844	561	1,173	1,832	1,092	3,891	8,462	1,219	263	731
Calgary/Springbank	5,138	412	149	29	8	12	0	0	0	1
Chicoutimi/St-Honoré	2,122	204	101	0	0	2	0	0	0	0
Edmonton City Centre	3,165	575	1,337	487	120	55	2	42	0	0
Edmonton International	291	184	412	779	619	2,183	5,121	657	159	120
Edmonton/Villeneuve	1,967	51	38	0	0	0	0	0	0	0
Fort McMurray	2,178	712	442	432	86	562	666	2	0	0
Gander International	403	60	194	234	318	295	46	79	6	80
Halifax/Robert L Stanfield International	352	287	402	1,200	768	1,520	2,188	691	165	224
Hamilton	783	649	203	277	146	43	482	18	414	118
Kelowna	1,536	169	356	586	67	909	939	2	10	1
Kitchener/Waterloo	3,996	417	294	71	6	29	60	2	0	0
Langley	3,327	184	18	0	6	0	0	0	0	0
London	5,598	288	398	66	565	343	393	5	4	6
Moncton/Greater Moncton International	6,058	205	463	319	158	756	182	2	259	0
Montréal/Pierre Elliott Trudeau International	725	276	700	755	3,079	5,781	4,668	1,360	60	2,007
Montréal/St-Hubert	7,419	848	822	215	141	15	0	0	4	0
Oshawa	2,735	209	27	10	11	0	0	0	0	0
Ottawa/Macdonald-Cartier International	2,964	181	965	252	725	3,050	2,763	444	62	267
Pitt Meadows	6,142	213	215	2	2	0	4	0	0	0
Prince George	980	130	335	580	25	567	274	0	0	0
Québec/Jean Lesage International	3,774	638	882	448	1,310	1,668	301	2	0	86
Regina International	1,690	290	302	274	49	723	824	6	82	0
Saskatoon/John G Diefenbaker International	2,024	324	641	529	236	964	1,046	10	35	0
Sault Ste. Marie	1,110	154	521	65	335	91	0	4	0	0
St. John's International	140	21	394	445	668	73	1,115	416	76	28
St-Jean	3,694	153	50	0	0	0	0	0	0	0
Thunder Bay	1,357	295	2,314	348	133	663	300	12	0	0
Toronto/Buttonville Municipal	7,213	569	264	50	11	7	0	0	0	0
Toronto/City Centre	2,039	226	435	20	7	1,767	0	1	0	2
Toronto/Lester B Pearson International	39	192	253	2,382	3,364	8,615	12,509	4,338	506	4,017
Vancouver Harbour	228	4,489	1,388	0	5	0	0	0	0	0
Vancouver International	1,485	5,724	1,368	2,772	2,195	5,381	6,868	1,946	267	2,330
Victoria International	4,611	1,096	300	416	936	1,259	702	76	30	4
Whitehorse International	905	309	230	20	21	126	371	4	0	18
Windsor	1,392	215	74	29	404	47	16	4	6	0
Winnipeg/James Armstrong Richardson International	567	507	3,096	528	782	1,657	2,648	427	575	52
Winnipeg/St. Andrews	2,867	628	136	11	3	0	2	0	0	0
Yellowknife	488	728	861	209	198	829	709	85	0	2
Total of NAV CANADA towers (41)	105,123	24,249	22,837	16,716	18,835	44,008	54,132	11,908	2,987	10,102

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	648	67	203	26	20	0	0	12	0	0
Campbell River	1,928	150	208	392	322	101	6	0	1	0
Castlegar	339	154	95	75	7	231	57	2	0	0
Charlottetown	1,151	207	83	88	95	617	215	4	6	0
Churchill	69	33	156	129	260	291	14	2	0	0
Cranbrook	389	81	71	298	79	135	6	2	0	0
Deer Lake	117	67	185	144	620	151	196	0	0	0
Fort Nelson	1,235	272	158	154	119	0	2	0	0	0
Fort St John	850	46	223	221	114	225	2	0	0	0
Fredericton International	4,704	210	302	231	199	419	8	0	1	24
Grande Prairie	1,154	295	368	175	14	505	136	2	0	0
High Level	631	199	249	128	2	2	0	5	0	0
Îles-de-la-Madeleine	43	67	43	63	135	88	0	0	0	0
Inuvik/Mike Zubko	674	58	792	140	92	38	109	0	0	0
Iqaluit	152	231	900	104	279	460	253	34	20	58
Kamloops	1,115	361	825	692	363	603	468	0	0	0
Kenora	359	71	615	49	39	27	0	6	0	0
Kingston	1,308	64	175	437	46	14	0	8	0	2
Kuujuuaq	201	6	748	10	110	74	40	2	54	22
La Grande Rivière	46	76	158	26	119	319	0	0	0	0
La Ronge	96	203	410	91	216	250	0	0	0	0
Lethbridge	678	145	131	292	94	1	10	4	0	0
Lloydminster	585	106	80	88	6	0	0	0	0	0
Medicine Hat	656	59	172	257	16	6	2	0	0	0
Mont-Joli	141	70	54	130	70	28	0	0	0	0
Montréal/Mirabel International	757	266	77	114	18	149	45	2	259	141
Nanaimo	1,484	476	79	49	31	377	0	0	0	0
Norman Wells	692	217	276	10	4	41	132	0	0	0
North Bay	978	176	292	60	170	41	0	0	0	0
Ottawa/Gatineau	1,716	171	129	6	8	6	0	0	0	0
Peace River	338	137	279	11	10	8	0	2	0	0
Penticton	1,168	285	124	153	89	405	31	0	0	0
Port Hardy	148	385	783	190	370	12	10	0	0	0
Prince Albert	187	94	273	299	324	408	4	0	0	0
Prince Rupert	57	99	43	46	67	160	2	0	0	0
Rankin Inlet	215	4	357	203	222	150	160	0	0	0
Red Deer Regional	1,523	242	148	80	7	4	14	2	0	0
Rouyn-Noranda	511	15	288	0	173	155	52	0	0	0
Saint John	590	205	139	241	221	308	66	10	0	0
Sept-Îles	731	313	345	317	549	48	0	0	0	0
Sioux Lookout	87	380	1,352	605	8	0	0	0	0	0
Smithers	447	42	115	216	62	171	34	0	0	0
St Catharines	1,680	141	42	18	16	4	3	0	0	0
Sudbury	482	328	1,182	116	238	214	22	6	0	0
Terrace	450	108	111	155	131	190	12	0	0	0
Thompson	329	599	1,345	26	212	468	0	2	0	0
Timmins	233	198	934	78	398	195	0	0	0	0
Val-d'Or	357	61	271	8	260	146	16	2	0	44
Victoria Harbour	40	2,703	1,308	0	10	0	0	0	0	0
Wabush	160	48	172	142	314	12	0	0	0	0
Whitecourt	602	70	50	74	2	0	0	2	0	0
Williams Lake	1,366	268	408	448	18	98	114	2	0	0
Total of all flight service stations (52)	36,597	11,329	18,326	8,105	7,368	8,355	2,241	113	341	291

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	4,476	482	1,507	542	1,399	255	291
Transborder	151	9	6	1	100	0	35
Other international	30	0	6	5	14	1	4
Total	4,657	491	1,519	548	1,513	256	330
Boundary Bay							
Domestic	8,137	17	1,789	4,622	1,671	11	27
Transborder	76	0	0	10	65	0	1
Other international	9	0	0	0	9	0	0
Total	8,222	17	1,789	4,632	1,745	11	28
Calgary International							
Domestic	15,973	13,382	1,011	492	872	80	136
Transborder	3,499	3,172	59	14	247	0	7
Other international	596	591	3	1	0	0	1
Total	20,068	17,145	1,073	507	1,119	80	144
Calgary/Springbank							
Domestic	5,610	62	524	3,330	1,639	9	46
Transborder	109	1	2	4	102	0	0
Other international	30	0	5	10	15	0	0
Total	5,749	63	531	3,344	1,756	9	46
Chicoutimi/St-Honoré							
Domestic	2,429	8	928	1,112	374	4	3
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	2,429	8	928	1,112	374	4	3
Edmonton City Centre							
Domestic	5,725	1,405	508	2,436	972	322	82
Transborder	31	6	3	6	16	0	0
Other international	27	0	5	4	16	2	0
Total	5,783	1,411	516	2,446	1,004	324	82
Edmonton International							
Domestic	9,040	8,096	409	71	387	20	57
Transborder	1,337	1,284	2	1	47	0	3
Other international	148	130	11	1	6	0	0
Total	10,525	9,510	422	73	440	20	60
Edmonton/Villeneuve							
Domestic	2,044	5	134	1,119	530	10	246
Transborder	1	0	0	0	1	0	0
Other international	11	0	0	4	7	0	0
Total	2,056	5	134	1,123	538	10	246
Fort McMurray							
Domestic	4,445	2,662	872	319	567	20	5
Transborder	5	0	1	0	4	0	0
Other international	630	201	281	55	93	0	0
Total	5,080	2,863	1,154	374	664	20	5
Gander International							
Domestic	1,313	400	663	3	74	24	149
Transborder	182	27	0	10	82	0	63
Other international	220	41	3	11	91	1	73
Total	1,715	468	666	24	247	25	285

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							
Halifax/Robert L Stanfield International							
Domestic	6,574	5,294	829	36	258	44	113
Transborder	999	870	4	1	113	0	11
Other international	224	196	0	2	14	0	12
Total	7,797	6,360	833	39	385	44	136
Hamilton							
Domestic	2,669	1,282	459	152	581	168	27
Transborder	421	291	24	3	97	6	0
Other international	43	38	3	2	0	0	0
Total	3,133	1,611	486	157	678	174	27
Kelowna							
Domestic	4,325	2,244	284	849	789	101	58
Transborder	248	184	2	1	59	0	2
Other international	2	1	0	1	0	0	0
Total	4,575	2,429	286	851	848	101	60
Kitchener/Waterloo							
Domestic	4,714	233	2,354	757	1,284	27	59
Transborder	150	11	44	0	95	0	0
Other international	11	0	2	0	7	0	2
Total	4,875	244	2,400	757	1,386	27	61
Langley							
Domestic	3,509	100	284	1,771	1,324	30	0
Transborder	19	0	1	1	17	0	0
Other international	7	0	0	0	6	1	0
Total	3,535	100	285	1,772	1,347	31	0
London							
Domestic	7,269	1,193	1,081	3,935	991	54	15
Transborder	369	232	7	6	122	0	2
Other international	28	2	6	2	13	4	1
Total	7,666	1,427	1,094	3,943	1,126	58	18
Moncton/Greater Moncton International							
Domestic	8,289	1,731	5,945	200	211	146	56
Transborder	97	63	1	0	33	0	0
Other international	16	7	4	1	4	0	0
Total	8,402	1,801	5,950	201	248	146	56
Montréal/Pierre Elliott Trudeau International							
Domestic	11,093	8,920	739	314	888	199	33
Transborder	5,955	5,388	86	54	425	0	2
Other international	2,363	2,319	13	8	22	0	1
Total	19,411	16,627	838	376	1,335	199	36
Montréal/St-Hubert							
Domestic	9,226	3,767	487	3,364	1,369	93	146
Transborder	193	16	5	2	170	0	0
Other international	45	5	7	11	21	1	0
Total	9,464	3,788	499	3,377	1,560	94	146
Oshawa							
Domestic	2,947	45	137	1,867	850	46	2
Transborder	30	3	0	1	26	0	0
Other international	15	0	2	0	13	0	0
Total	2,992	48	139	1,868	889	46	2

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							
Ottawa/Macdonald-Cartier International							
Domestic	9,585	5,351	717	2,281	571	470	195
Transborder	1,922	1,795	11	10	85	15	6
Other international	166	145	1	3	8	2	7
Total	11,673	7,291	729	2,294	664	487	208
Pitt Meadows							
Domestic	6,558	12	2,244	2,407	1,817	44	34
Transborder	11	0	0	0	11	0	0
Other international	9	0	0	0	8	1	0
Total	6,578	12	2,244	2,407	1,836	45	34
Prince George							
Domestic	2,858	1,167	701	137	547	278	28
Transborder	30	6	0	0	24	0	0
Other international	3	0	2	0	1	0	0
Total	2,891	1,173	703	137	572	278	28
Québec/Jean Lesage International							
Domestic	8,306	3,373	1,884	1,276	1,266	330	177
Transborder	698	545	7	14	128	0	4
Other international	105	88	3	2	1	0	11
Total	9,109	4,006	1,894	1,292	1,395	330	192
Regina International							
Domestic	3,888	1,765	1,268	58	482	144	171
Transborder	342	260	1	0	81	0	0
Other international	10	0	0	0	10	0	0
Total	4,240	2,025	1,269	58	573	144	171
Saskatoon/John G Diefenbaker International							
Domestic	5,405	2,492	796	744	791	328	254
Transborder	403	337	0	0	55	0	11
Other international	1	0	0	0	1	0	0
Total	5,809	2,829	796	744	847	328	265
Sault Ste. Marie							
Domestic	2,209	834	173	856	263	46	37
Transborder	69	12	5	2	47	2	1
Other international	2	0	0	0	2	0	0
Total	2,280	846	178	858	312	48	38
St. John's International							
Domestic	2,978	2,016	672	26	141	43	80
Transborder	200	75	1	0	32	0	92
Other international	198	51	2	14	48	0	83
Total	3,376	2,142	675	40	221	43	255
St-Jean							
Domestic	3,896	249	166	447	2,180	14	840
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	3,897	249	166	447	2,181	14	840
Thunder Bay							
Domestic	5,212	2,791	959	918	322	118	104
Transborder	208	131	7	1	67	0	2
Other international	2	1	1	0	0	0	0
Total	5,422	2,923	967	919	389	118	106

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							
Toronto/Buttonville Municipal							
Domestic	7,898	342	611	4,541	2,348	54	2
Transborder	216	39	18	14	145	0	0
Other international	0	0	0	0	0	0	0
Total	8,114	381	629	4,555	2,493	54	2
Toronto/City Centre							
Domestic	3,794	1,277	995	1,009	486	20	7
Transborder	685	562	16	1	106	0	0
Other international	18	0	10	3	5	0	0
Total	4,497	1,839	1,021	1,013	597	20	7
Toronto/Lester B Pearson International							
Domestic	17,519	16,585	301	93	512	17	11
Transborder	14,316	13,528	105	46	632	0	5
Other international	4,380	4,342	9	8	20	0	1
Total	36,215	34,455	415	147	1,164	17	17
Vancouver Harbour							
Domestic	6,097	5,280	693	11	105	4	4
Transborder	9	0	0	0	9	0	0
Other international	4	4	0	0	0	0	0
Total	6,110	5,284	693	11	114	4	4
Vancouver International							
Domestic	23,287	19,651	1,990	311	881	430	24
Transborder	5,401	4,921	13	9	454	0	4
Other international	1,648	1,560	7	4	22	46	9
Total	30,336	26,132	2,010	324	1,357	476	37
Victoria International							
Domestic	8,487	2,982	2,903	669	1,683	46	204
Transborder	886	469	16	9	376	0	16
Other international	57	2	17	7	25	2	4
Total	9,430	3,453	2,936	685	2,084	48	224
Whitehorse International							
Domestic	1,872	964	458	127	266	42	15
Transborder	122	17	6	2	87	7	3
Other international	10	9	1	0	0	0	0
Total	2,004	990	465	129	353	49	18
Windsor							
Domestic	2,055	408	950	111	508	2	76
Transborder	122	35	10	2	38	0	37
Other international	10	2	5	0	3	0	0
Total	2,187	445	965	113	549	2	113
Winnipeg/James Armstrong Richardson International							
Domestic	9,688	8,028	520	98	333	292	417
Transborder	1,145	1,022	14	4	94	2	9
Other international	6	1	2	0	1	2	0
Total	10,839	9,051	536	102	428	296	426
Winnipeg/St. Andrews							
Domestic	3,640	676	1,746	824	372	10	12
Transborder	6	0	4	0	2	0	0
Other international	1	0	1	0	0	0	0
Total	3,647	676	1,751	824	374	10	12

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							
Yellowknife							
Domestic	3,837	3,110	326	80	141	84	96
Transborder	5	3	0	0	2	0	0
Other international	267	132	103	6	13	2	11
Total	4,109	3,245	429	86	156	86	107
Total of NAV CANADA towers (41)							
Domestic	258,876	130,681	42,017	44,315	33,045	4,479	4,339
Transborder	40,669	35,314	481	229	4,297	32	316
Other international	11,352	9,868	515	165	519	65	220
Total	310,897	175,863	43,013	44,709	37,861	4,576	4,875

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	962	115	264	119	328	13	123
Transborder	14	0	0	0	14	0	0
Other international	0	0	0	0	0	0	0
Total	976	115	264	119	342	13	123
Campbell River							
Domestic	2,872	556	942	703	562	40	69
Transborder	236	8	0	0	228	0	0
Other international	0	0	0	0	0	0	0
Total	3,108	564	942	703	790	40	69
Castlegar							
Domestic	941	299	254	247	113	10	18
Transborder	19	0	0	0	19	0	0
Other international	0	0	0	0	0	0	0
Total	960	299	254	247	132	10	18
Charlottetown							
Domestic	2,293	965	479	411	340	46	52
Transborder	171	115	1	0	55	0	0
Other international	2	0	0	0	1	0	1
Total	2,466	1,080	480	411	396	46	53
Churchill							
Domestic	954	820	16	12	65	39	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	954	820	16	12	65	39	2
Cranbrook							
Domestic	1,012	553	40	32	351	13	23
Transborder	48	14	1	0	32	0	1
Other international	1	0	0	0	1	0	0
Total	1,061	567	41	32	384	13	24
Deer Lake							
Domestic	1,471	1,049	221	61	87	33	20
Transborder	7	2	4	0	1	0	0
Other international	2	2	0	0	0	0	0
Total	1,480	1,053	225	61	88	33	20
Fort Nelson							
Domestic	1,940	342	806	531	229	12	20
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,940	342	806	531	229	12	20
Fort St John							
Domestic	1,674	696	534	82	333	20	9
Transborder	7	0	0	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	1,681	696	534	82	340	20	9
Fredericton International							
Domestic	6,043	899	4,500	240	202	100	102
Transborder	53	3	3	1	45	0	1
Other international	2	0	0	0	2	0	0
Total	6,098	902	4,503	241	249	100	103

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							
Grande Prairie							
Domestic	2,646	1,056	1,021	66	463	38	2
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	2,649	1,056	1,021	66	466	38	2
High Level							
Domestic	1,216	182	856	64	99	6	9
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,216	182	856	64	99	6	9
Îles-de-la-Madeleine							
Domestic	429	327	12	14	40	34	2
Transborder	9	0	0	0	9	0	0
Other international	1	0	0	0	1	0	0
Total	439	327	12	14	50	34	2
Inuvik/Mike Zubko							
Domestic	1,893	532	1,248	48	4	45	16
Transborder	9	1	8	0	0	0	0
Other international	1	1	0	0	0	0	0
Total	1,903	534	1,256	48	4	45	16
Iqaluit							
Domestic	2,350	1,599	270	119	72	148	142
Transborder	60	32	5	4	9	0	10
Other international	81	23	0	9	45	0	4
Total	2,491	1,654	275	132	126	148	156
Kamloops							
Domestic	4,406	1,024	2,431	354	514	53	30
Transborder	21	5	0	1	15	0	0
Other international	0	0	0	0	0	0	0
Total	4,427	1,029	2,431	355	529	53	30
Kenora							
Domestic	1,042	339	300	75	250	33	45
Transborder	124	5	2	1	116	0	0
Other international	0	0	0	0	0	0	0
Total	1,166	344	302	76	366	33	45
Kingston							
Domestic	2,003	479	452	508	459	50	55
Transborder	51	7	0	0	44	0	0
Other international	0	0	0	0	0	0	0
Total	2,054	486	452	508	503	50	55
Kuujuuaq							
Domestic	1,263	989	202	2	41	29	0
Transborder	2	1	1	0	0	0	0
Other international	2	1	0	0	1	0	0
Total	1,267	991	203	2	42	29	0
La Grande Rivière							
Domestic	743	496	162	16	59	10	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	744	496	162	16	60	10	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							
La Ronge							
Domestic	1,263	860	45	7	57	205	89
Transborder	3	1	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,266	861	45	7	59	205	89
Lethbridge							
Domestic	1,246	406	42	413	341	6	38
Transborder	109	8	1	4	93	0	3
Other international	0	0	0	0	0	0	0
Total	1,355	414	43	417	434	6	41
Lloydminster							
Domestic	864	109	273	44	400	32	6
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	865	109	273	44	401	32	6
Medicine Hat							
Domestic	1,163	539	74	150	354	8	38
Transborder	5	0	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	1,168	539	74	150	359	8	38
Mont-Joli							
Domestic	489	302	32	45	94	16	0
Transborder	4	3	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	493	305	32	45	95	16	0
Montréal/Mirabel International							
Domestic	1,647	613	380	273	356	5	20
Transborder	178	159	0	0	17	0	2
Other international	3	2	0	1	0	0	0
Total	1,828	774	380	274	373	5	22
Nanaimo							
Domestic	2,385	491	591	165	1,037	25	76
Transborder	111	12	0	0	99	0	0
Other international	0	0	0	0	0	0	0
Total	2,496	503	591	165	1,136	25	76
Norman Wells							
Domestic	1,369	660	613	0	33	53	10
Transborder	1	0	0	0	1	0	0
Other international	2	0	0	0	1	0	1
Total	1,372	660	613	0	35	53	11
North Bay							
Domestic	1,663	455	432	339	371	22	44
Transborder	54	7	3	1	43	0	0
Other international	0	0	0	0	0	0	0
Total	1,717	462	435	340	414	22	44
Ottawa/Gatineau							
Domestic	2,031	83	343	641	847	106	11
Transborder	5	0	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	2,036	83	343	641	852	106	11

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						
Peace River							
Domestic	784	300	319	65	80	18	2
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	785	300	319	65	81	18	2
Penticton							
Domestic	2,226	331	1,195	111	482	10	97
Transborder	29	2	0	0	27	0	0
Other international	0	0	0	0	0	0	0
Total	2,255	333	1,195	111	509	10	97
Port Hardy							
Domestic	1,800	1,536	81	14	93	51	25
Transborder	98	8	0	0	87	0	3
Other international	0	0	0	0	0	0	0
Total	1,898	1,544	81	14	180	51	28
Prince Albert							
Domestic	1,587	1,083	94	58	176	139	37
Transborder	2	1	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,589	1,084	94	58	177	139	37
Prince Rupert							
Domestic	438	223	124	4	59	26	2
Transborder	36	1	1	0	34	0	0
Other international	0	0	0	0	0	0	0
Total	474	224	125	4	93	26	2
Rankin Inlet							
Domestic	1,311	1,062	207	6	19	15	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,311	1,062	207	6	19	15	2
Red Deer Regional							
Domestic	2,009	129	903	238	668	39	32
Transborder	11	0	1	0	10	0	0
Other international	0	0	0	0	0	0	0
Total	2,020	129	904	238	678	39	32
Rouyn-Noranda							
Domestic	1,194	458	144	321	229	32	10
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,194	458	144	321	229	32	10
Saint John							
Domestic	1,695	812	443	74	322	10	34
Transborder	78	17	0	1	60	0	0
Other international	7	0	0	0	7	0	0
Total	1,780	829	443	75	389	10	34
Sept-Îles							
Domestic	2,297	1,226	740	36	185	106	4
Transborder	5	0	1	0	4	0	0
Other international	1	0	1	0	0	0	0
Total	2,303	1,226	742	36	189	106	4

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						
Sioux Lookout							
Domestic	2,381	1,836	431	23	63	22	6
Transborder	51	4	2	1	44	0	0
Other international	0	0	0	0	0	0	0
Total	2,432	1,840	433	24	107	22	6
Smithers							
Domestic	1,085	453	430	34	144	24	0
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,087	453	430	34	146	24	0
St Catharines							
Domestic	1,825	11	734	130	513	17	420
Transborder	79	12	8	0	59	0	0
Other international	0	0	0	0	0	0	0
Total	1,904	23	742	130	572	17	420
Sudbury							
Domestic	2,558	1,298	608	91	419	118	24
Transborder	30	4	1	0	25	0	0
Other international	0	0	0	0	0	0	0
Total	2,588	1,302	609	91	444	118	24
Terrace							
Domestic	1,151	541	473	14	73	38	12
Transborder	6	0	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	1,157	541	473	14	79	38	12
Thompson							
Domestic	2,977	2,304	410	2	51	185	25
Transborder	4	3	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	2,981	2,307	410	2	52	185	25
Timmins							
Domestic	2,023	1,318	368	27	191	117	2
Transborder	12	2	0	0	10	0	0
Other international	1	1	0	0	0	0	0
Total	2,036	1,321	368	27	201	117	2
Val-d'Or							
Domestic	1,165	663	104	69	273	42	14
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,165	663	104	69	273	42	14
Victoria Harbour							
Domestic	3,561	3,380	14	4	74	79	10
Transborder	500	0	0	0	497	3	0
Other international	0	0	0	0	0	0	0
Total	4,061	3,380	14	4	571	82	10
Wabush							
Domestic	846	570	184	10	70	10	2
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	848	570	184	10	72	10	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							
Whitecourt							
Domestic	798	11	569	117	80	15	6
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	800	11	569	117	82	15	6
Williams Lake							
Domestic	2,708	429	1,612	281	346	31	9
Transborder	14	0	2	0	12	0	0
Other international	0	0	0	0	0	0	0
Total	2,722	429	1,614	281	358	31	9
Total of all flight service stations (52)							
Domestic	90,692	37,809	28,022	7,510	13,111	2,394	1,846
Transborder	2,268	437	45	14	1,749	3	20
Other international	106	30	1	10	59	0	6
Total	93,066	38,276	28,068	7,534	14,919	2,397	1,872

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	17	9,996	8	12	158	8	959
Boundary Bay	6	18,205	19	17	113	17	855
Calgary International	3	20,132	25	18	63	19	756
Calgary/Springbank	13	13,499	18	13	110	12	679
Chicoutimi/St-Honoré	34	4,586	25	10	63	25	331
Edmonton City Centre	24	6,743	21	15	42	27	314
Edmonton International	16	10,696	26	15	56	13	437
Edmonton/Villeneuve	30	5,538	7	11	79	29	367
Fort McMurray	29	5,716	16	17	37	20	275
Gander International	41	2,378	25	11	30	25	179
Halifax/Robert L Stanfield International	23	8,143	21	17	59	21	356
Hamilton	35	4,009	27	10	33	27	242
Kelowna	25	6,522	6	19	59	3	287
Kitchener/Waterloo	21	8,751	31	16	73	19	619
Langley	27	6,393	12	15	52	12	346
London	11	14,655	28	9	86	5	783
Moncton/Greater Moncton International	12	14,476	6	9	80	28	798
Montréal/Pierre Elliott Trudeau International	5	19,411	26	18	66	28	725
Montréal/St-Hubert	4	19,570	12	15	145	12	1,453
Oshawa	31	5,505	1	11	46	5	332
Ottawa/Macdonald-Cartier International	9	14,743	5	21	79	5	722
Pitt Meadows	10	14,656	27	11	122	26	909
Prince George	38	3,631	28	16	35	28	192
Québec/Jean Lesage International	14	13,132	13	11	98	12	653
Regina International	26	6,491	18	13	52	10	362
Saskatoon/John G Diefenbaker International	20	9,083	28	11	67	28	485
Sault Ste. Marie	36	3,883	26	12	48	26	298
St. John's International	37	3,797	14	12	30	13	220
St-Jean	32	4,845	8	19	145	6	553
Thunder Bay	22	8,242	5	15	89	18	513
Toronto/Buttonville Municipal	7	15,517	7	10	106	6	952
Toronto/City Centre	18	9,561	8	15	82	7	529
Toronto/Lester B Pearson International	1	36,215	25	16	99	14	1,269
Vancouver Harbour	28	6,110	2	18	27	12	252
Vancouver International	2	30,336	17	16	82	21	1,071
Victoria International	8	15,308	26	16	88	11	683
Whitehorse International	40	2,575	13	15	199	13	268
Windsor	39	3,515	27	14	53	6	220
Winnipeg/James Armstrong Richardson International	15	11,345	18	13	56	18	507
Winnipeg/St. Andrews	19	9,502	27	14	80	25	608
Yellowknife	33	4,625	5	9	29	5	207

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	37	1,338	4	10	27	4	104
Campbell River	3	5,461	7	8	73	7	378
Castlegar	42	1,262	6	9	29	26	81
Charlottetown	12	3,178	12	22	31	15	182
Churchill	45	976	5	9	13	5	74
Cranbrook	30	1,615	22	8	28	27	100
Deer Lake	31	1,498	25	12	20	2	77
Fort Nelson	22	2,038	19	19	26	26	121
Fort St John	28	1,788	15	8	21	5	90
Fredericton International	1	10,972	13	17	61	14	689
Grande Prairie	7	3,690	14	11	39	28	210
High Level	36	1,358	25	17	32	25	120
Îles-de-la-Madeleine	52	439	5	13	5	7	22
Inuvik/Mike Zubko	25	1,953	21	11	23	5	104
Iqaluit	18	2,675	22	13	29	18	136
Kamloops	2	6,349	21	16	87	21	663
Kenora	41	1,274	6	14	21	6	91
Kingston	13	3,166	7	15	49	13	226
Kuujuuaq	39	1,307	7	16	13	21	59
La Grande Rivière	49	750	3	10	9	11	38
La Ronge	34	1,414	12	12	20	13	110
Lethbridge	24	1,975	29	21	33	29	109
Lloydminster	32	1,417	9	16	26	11	89
Medicine Hat	33	1,416	29	12	26	29	89
Mont-Joli	50	557	24	18	14	24	53
Montréal/Mirabel International	20	2,554	6	12	30	20	207
Nanaimo	6	3,730	11	16	54	11	213
Norman Wells	35	1,396	5	13	12	21	75
North Bay	8	3,645	5	14	53	26	286
Ottawa/Gatineau	5	3,904	22	12	58	27	291
Peace River	48	835	18	8	13	21	49
Penticton	11	3,181	21	15	46	20	234
Port Hardy	27	1,898	9	11	15	9	96
Prince Albert	29	1,699	28	15	21	28	113
Prince Rupert	51	516	5	22	17	5	43
Rankin Inlet	38	1,313	24	12	14	6	68
Red Deer Regional	9	3,530	8	10	37	10	216
Rouyn-Noranda	23	2,014	16	14	43	11	140
Saint John	26	1,926	16	9	18	13	108
Sept-Îles	15	3,039	29	14	38	20	140
Sioux Lookout	19	2,564	28	21	37	26	144
Smithers	44	1,103	28	9	17	28	59
St Catharines	10	3,522	8	14	53	24	221
Sudbury	17	2,970	27	14	35	27	191
Terrace	43	1,171	15	16	12	6	63
Thompson	14	3,039	4	8	16	18	150
Timmins	21	2,074	30	15	22	11	100
Val-d'Or	40	1,307	14	17	17	12	85
Victoria Harbour	4	4,061	26	8	26	20	172
Wabush	47	860	7	11	13	7	51
Whitecourt	46	870	4	10	21	21	77
Williams Lake	16	2,982	18	10	25	3	172

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	24	4,657	7	18	37	28	256
Boundary Bay	12	8,222	17	15	50	17	457
Calgary International	3	20,068	25	18	63	19	750
Calgary/Springbank	20	5,749	18	13	36	30	287
Chicoutimi/St-Honoré	36	2,429	19	9	30	19	162
Edmonton City Centre	19	5,783	27	16	29	27	282
Edmonton International	7	10,525	27	16	40	13	421
Edmonton/Villeneuve	39	2,056	29	10	34	29	220
Fort McMurray	22	5,080	5	10	25	6	241
Gander International	41	1,715	25	10	19	25	101
Halifax/Robert L Stanfield International	14	7,797	21	17	27	13	307
Hamilton	33	3,133	6	12	18	27	176
Kelowna	25	4,575	12	12	23	20	191
Kitchener/Waterloo	23	4,875	30	18	50	5	293
Langley	31	3,535	18	14	23	12	172
London	15	7,666	27	17	45	27	426
Moncton/Greater Moncton International	11	8,402	4	19	38	28	455
Montréal/Pierre Elliott Trudeau International	4	19,411	26	18	66	28	725
Montréal/St-Hubert	8	9,464	14	10	50	3	538
Oshawa	34	2,992	1	11	28	1	205
Ottawa/Macdonald-Cartier International	5	11,673	31	14	51	5	486
Pitt Meadows	16	6,578	26	15	48	27	362
Prince George	35	2,891	18	16	22	7	129
Québec/Jean Lesage International	10	9,109	28	11	43	28	411
Regina International	27	4,240	18	9	23	5	192
Saskatoon/John G Diefenbaker International	18	5,809	14	11	44	28	277
Sault Ste. Marie	37	2,280	12	14	17	6	127
St. John's International	32	3,376	3	18	16	14	137
St-Jean	29	3,897	8	19	145	6	543
Thunder Bay	21	5,422	31	16	31	17	245
Toronto/Buttonville Municipal	13	8,114	13	15	53	19	496
Toronto/City Centre	26	4,497	12	17	27	3	223
Toronto/Lester B Pearson International	1	36,215	25	16	99	14	1,269
Vancouver Harbour	17	6,110	2	18	27	12	252
Vancouver International	2	30,336	17	16	82	21	1,071
Victoria International	9	9,430	11	14	40	26	402
Whitehorse International	40	2,004	6	13	14	19	100
Windsor	38	2,187	30	11	33	30	178
Winnipeg/James Armstrong Richardson International	6	10,839	18	13	40	12	445
Winnipeg/St. Andrews	30	3,647	6	16	27	25	220
Yellowknife	28	4,109	20	16	21	27	167

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	42	976	30	13	14	6	70
Campbell River	4	3,108	2	12	21	1	167
Castlegar	43	960	5	18	9	24	48
Charlottetown	11	2,466	6	21	17	15	128
Churchill	44	954	5	9	13	5	70
Cranbrook	41	1,061	2	16	11	1	48
Deer Lake	28	1,480	25	12	20	2	77
Fort Nelson	19	1,940	26	15	17	6	112
Fort St John	26	1,681	1	9	16	6	80
Fredericton International	1	6,098	4	15	31	28	365
Grande Prairie	7	2,649	11	9	20	6	116
High Level	34	1,216	28	11	12	14	75
Îles-de-la-Madeleine	52	439	5	13	5	7	22
Inuvik/Mike Zubko	21	1,903	5	9	13	5	104
Iqaluit	10	2,491	25	14	24	26	122
Kamloops	2	4,427	23	12	42	21	307
Kenora	37	1,166	17	12	11	12	68
Kingston	15	2,054	7	14	18	13	138
Kuujuuaq	32	1,267	21	13	10	21	59
La Grande Rivière	49	744	3	10	9	11	38
La Ronge	33	1,266	12	12	14	13	78
Lethbridge	30	1,355	30	16	13	2	58
Lloydminster	45	865	4	14	8	27	49
Medicine Hat	36	1,168	6	10	17	29	77
Mont-Joli	50	493	12	17	8	12	31
Montréal/Mirabel International	23	1,828	6	12	18	13	117
Nanaimo	9	2,496	11	15	26	11	129
Norman Wells	29	1,372	5	13	12	21	71
North Bay	25	1,717	1	9	43	1	111
Ottawa/Gatineau	16	2,036	3	11	20	8	132
Peace River	48	785	29	14	11	6	46
Penticton	14	2,255	5	17	22	21	126
Port Hardy	22	1,898	9	11	15	9	96
Prince Albert	27	1,589	17	13	11	17	88
Prince Rupert	51	474	17	12	8	21	28
Rankin Inlet	31	1,311	24	12	14	6	68
Red Deer Regional	18	2,020	8	10	17	10	126
Rouyn-Noranda	35	1,194	8	10	16	24	66
Saint John	24	1,780	14	11	17	14	105
Sept-Îles	13	2,303	12	16	15	24	105
Sioux Lookout	12	2,432	7	13	15	26	120
Smithers	40	1,087	4	13	11	17	55
St Catharines	20	1,904	5	19	20	5	108
Sudbury	8	2,588	5	18	17	31	123
Terrace	39	1,157	13	15	11	6	63
Thompson	5	2,981	4	8	16	14	131
Timmins	17	2,036	30	15	22	11	96
Val-d'Or	38	1,165	28	14	11	12	77
Victoria Harbour	3	4,061	26	8	26	20	172
Wabush	46	848	3	11	11	11	47
Whitecourt	47	800	21	14	15	21	59
Williams Lake	6	2,722	7	20	21	3	162

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	10	5,339	8	12	148	8	790
Boundary Bay	2	9,983	19	17	80	11	536
Calgary International	37	64	16	8	10	2	10
Calgary/Springbank	4	7,750	18	13	74	11	453
Chicoutimi/St-Honoré	21	2,157	5	11	50	25	208
Edmonton City Centre	25	960	7	9	34	13	70
Edmonton International	36	171	26	15	32	26	40
Edmonton/Villeneuve	14	3,482	7	11	62	27	238
Fort McMurray	30	636	20	20	22	24	55
Gander International	29	663	12	14	25	25	78
Halifax/Robert L Stanfield International	35	346	21	17	32	21	58
Hamilton	27	876	6	22	20	29	74
Kelowna	22	1,947	6	19	44	3	128
Kitchener/Waterloo	13	3,876	11	22	52	19	332
Langley	17	2,858	11	11	36	12	174
London	6	6,989	28	9	64	11	418
Moncton/Greater Moncton International	7	6,074	10	11	50	28	343
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	1	10,106	12	15	114	12	974
Oshawa	19	2,513	16	15	28	5	160
Ottawa/Macdonald-Cartier International	16	3,070	5	21	56	5	236
Pitt Meadows	3	8,078	31	11	86	26	558
Prince George	28	740	9	13	26	28	70
Québec/Jean Lesage International	12	4,023	13	11	62	12	268
Regina International	20	2,251	8	17	42	10	178
Saskatoon/John G Diefenbaker International	15	3,274	9	9	48	5	226
Sault Ste. Marie	23	1,603	5	22	36	26	201
St. John's International	34	421	13	15	20	13	86
St-Jean	26	948	27	14	36	27	142
Thunder Bay	18	2,820	26	12	68	18	294
Toronto/Buttonville Municipal	5	7,403	11	11	64	6	554
Toronto/City Centre	11	5,064	8	15	68	7	328
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	5,878	9	14	58	5	314
Whitehorse International	31	571	13	15	196	13	198
Windsor	24	1,328	27	14	42	13	118
Winnipeg/James Armstrong Richardson International	33	506	4	10	22	18	62
Winnipeg/St. Andrews	9	5,855	27	14	66	25	388
Yellowknife	32	516	4	15	18	5	62

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	362	4	10	24	4	60
Campbell River	2	2,353	7	8	60	7	236
Castlegar	21	302	6	9	26	26	40
Charlottetown	15	712	12	22	20	12	70
Churchill	43	22	4	21	6	4	6
Cranbrook	17	554	15	12	24	22	52
Deer Lake	44	18	11	15	8	11	8
Fort Nelson	33	98	19	19	24	9	24
Fort St John	32	107	15	8	16	27	20
Fredericton International	1	4,874	8	20	34	14	344
Grande Prairie	10	1,041	14	11	32	28	108
High Level	27	142	25	17	26	25	90
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	37	50	21	11	18	21	26
Iqaluit	24	184	22	13	20	18	34
Kamloops	4	1,922	21	16	66	21	356
Kenora	31	108	6	14	16	6	24
Kingston	9	1,112	7	15	34	7	108
Kuujuuaq	40	40	4	10	12	7	14
La Grande Rivière	48	6	22	12	2	22	2
La Ronge	25	148	14	15	8	13	32
Lethbridge	16	620	30	21	32	29	64
Lloydminster	18	552	9	16	22	14	58
Medicine Hat	23	248	18	13	14	1	26
Mont-Joli	35	64	24	17	12	24	30
Montréal/Mirabel International	14	726	20	10	26	20	124
Nanaimo	8	1,234	7	9	30	8	84
Norman Wells	42	24	22	23	8	22	8
North Bay	3	1,928	5	14	46	26	210
Ottawa/Gatineau	5	1,868	17	11	50	27	192
Peace River	38	50	21	10	10	21	16
Penticton	11	926	20	15	32	20	152
Port Hardy	0	0	0	0	0	0	0
Prince Albert	30	110	28	17	18	28	56
Prince Rupert	39	42	5	22	16	5	22
Rankin Inlet	49	2	5	16	2	5	2
Red Deer Regional	7	1,510	24	19	26	24	124
Rouyn-Noranda	12	820	16	14	40	1	86
Saint John	26	146	6	10	12	4	22
Sept-Îles	13	736	7	12	28	29	60
Sioux Lookout	29	132	28	21	28	28	28
Smithers	45	16	28	9	12	28	12
St Catharines	6	1,618	31	10	42	24	140
Sudbury	19	382	27	14	30	27	76
Terrace	46	14	15	16	10	15	10
Thompson	36	58	18	22	14	18	26
Timmins	41	38	31	20	12	31	12
Val-d'Or	28	142	31	14	16	31	34
Victoria Harbour	0	0	0	0	0	0	0
Wabush	47	12	7	11	12	7	12
Whitecourt	34	70	4	10	16	21	18
Williams Lake	22	260	18	10	16	4	38

Table 11-1

Local movements - civil, peak hour and peak day — NAV CANADA towers

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	11	4,152	8	16	108	8	450
Boundary Bay	2	9,983	19	17	80	11	536
Calgary International	37	60	16	8	10	16	10
Calgary/Springbank	4	7,750	18	13	74	11	453
Chicoutimi/St-Honoré	21	2,154	5	11	50	25	208
Edmonton City Centre	25	957	7	9	34	13	70
Edmonton International	36	163	26	15	28	26	36
Edmonton/Villeneuve	14	3,478	7	11	62	27	238
Fort McMurray	29	636	20	20	22	24	55
Gander International	31	439	15	12	18	25	38
Halifax/Robert L Stanfield International	34	292	21	17	32	21	56
Hamilton	27	876	6	22	20	29	74
Kelowna	22	1,889	6	19	44	22	120
Kitchener/Waterloo	13	3,872	11	22	52	19	332
Langley	17	2,858	11	11	36	12	174
London	6	6,984	28	9	64	11	418
Moncton/Greater Moncton International	7	6,050	10	11	50	28	343
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	1	10,098	12	15	114	12	974
Oshawa	19	2,513	16	15	28	5	160
Ottawa/Macdonald-Cartier International	16	3,062	5	21	56	5	236
Pitt Meadows	3	8,078	31	11	86	26	558
Prince George	28	714	23	9	20	28	70
Québec/Jean Lesage International	12	4,002	13	11	62	12	268
Regina International	20	2,202	8	17	42	10	170
Saskatoon/John G Diefenbaker International	15	3,141	9	9	48	5	208
Sault Ste. Marie	23	1,591	5	22	36	26	201
St. John's International	33	377	13	15	20	13	86
St-Jean	26	948	27	14	36	27	142
Thunder Bay	18	2,764	26	12	68	18	284
Toronto/Buttonville Municipal	5	7,402	11	11	64	6	554
Toronto/City Centre	10	5,064	8	15	68	7	328
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	9	5,620	9	14	58	5	310
Whitehorse International	30	465	13	15	91	13	93
Windsor	24	1,246	21	10	26	13	118
Winnipeg/James Armstrong Richardson International	32	408	11	12	14	12	46
Winnipeg/St. Andrews	8	5,855	27	14	66	25	388
Yellowknife	35	258	9	17	16	9	32

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	4	10	24	4	60
Campbell River	2	2,353	7	8	60	7	236
Castlegar	21	302	6	9	26	26	40
Charlottetown	14	712	12	22	20	12	70
Churchill	43	22	4	21	6	4	6
Cranbrook	16	554	15	12	24	22	52
Deer Lake	44	18	11	15	8	11	8
Fort Nelson	32	98	19	19	24	9	24
Fort St John	31	107	15	8	16	27	20
Fredericton International	1	4,868	8	20	34	14	344
Grande Prairie	10	1,041	14	11	32	28	108
High Level	27	142	25	17	26	25	90
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	37	50	21	11	18	21	26
Iqaluit	24	162	29	12	16	18	34
Kamloops	3	1,922	21	16	66	21	356
Kenora	35	64	13	21	8	22	14
Kingston	9	1,112	7	15	34	7	108
Kuujuuaq	40	40	4	10	12	7	14
La Grande Rivière	48	6	22	12	2	22	2
La Ronge	25	148	14	15	8	13	32
Lethbridge	18	518	3	17	18	27	50
Lloydminster	17	546	9	16	22	14	58
Medicine Hat	23	248	18	13	14	1	26
Mont-Joli	34	64	24	17	12	24	30
Montréal/Mirabel International	15	702	20	10	26	20	124
Nanaimo	8	1,192	7	9	30	8	84
Norman Wells	42	24	22	23	8	22	8
North Bay	4	1,910	5	14	46	26	210
Ottawa/Gatineau	5	1,868	17	11	50	27	192
Peace River	38	50	21	10	10	21	16
Penticton	11	916	20	15	32	20	142
Port Hardy	0	0	0	0	0	0	0
Prince Albert	30	110	28	17	18	28	56
Prince Rupert	39	42	5	22	16	5	22
Rankin Inlet	49	2	5	16	2	5	2
Red Deer Regional	7	1,510	24	19	26	24	124
Rouyn-Noranda	12	820	16	14	40	1	86
Saint John	26	146	6	10	12	4	22
Sept-Îles	13	736	7	12	28	29	60
Sioux Lookout	29	132	28	21	28	28	28
Smithers	45	16	28	9	12	28	12
St Catharines	6	1,618	31	10	42	24	140
Sudbury	19	382	27	14	30	27	76
Terrace	46	14	15	16	10	15	10
Thompson	36	58	18	22	14	18	26
Timmins	41	38	31	20	12	31	12
Val-d'Or	28	142	31	14	16	31	34
Victoria Harbour	0	0	0	0	0	0	0
Wabush	47	12	7	11	12	7	12
Whitecourt	33	70	4	10	16	21	18
Williams Lake	22	260	18	10	16	4	38

Table 12-1

Local movements - military, peak hour and peak day — NAV CANADA towers

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	1	1,187	9	17	126	8	340
Boundary Bay	0	0	0	0	0	0	0
Calgary International	22	4	2	15	4	2	4
Calgary/Springbank	0	0	0	0	0	0	0
Chicoutimi/St-Honoré	26	3	26	15	2	26	2
Edmonton City Centre	25	3	19	15	2	19	2
Edmonton International	18	8	26	15	4	26	4
Edmonton/Villeneuve	23	4	5	11	4	5	4
Fort McMurray	0	0	0	0	0	0	0
Gander International	4	224	25	11	20	25	40
Halifax/Robert L Stanfield International	11	54	19	23	12	19	24
Hamilton	0	0	0	0	0	0	0
Kelowna	9	58	3	12	14	3	34
Kitchener/Waterloo	24	4	14	10	4	14	4
Langley	0	0	0	0	0	0	0
London	21	5	1	17	2	1	2
Moncton/Greater Moncton International	15	24	11	23	10	11	14
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	20	8	28	10	4	28	4
Oshawa	0	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	19	8	13	15	4	13	4
Pitt Meadows	0	0	0	0	0	0	0
Prince George	14	26	9	13	26	9	26
Québec/Jean Lesage International	16	21	19	19	14	19	14
Regina International	12	49	6	21	6	10	8
Saskatoon/John G Diefenbaker International	5	133	17	10	18	14	45
Sault Ste. Marie	17	12	18	11	6	18	12
St. John's International	13	44	20	20	18	20	22
St-Jean	0	0	0	0	0	0	0
Thunder Bay	10	56	18	13	10	18	10
Toronto/Buttonville Municipal	27	1	19	14	1	19	1
Toronto/City Centre	0	0	0	0	0	0	0
Toronto/Lester B Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	0	0	0	0	0	0	0
Vancouver International	0	0	0	0	0	0	0
Victoria International	2	258	11	15	18	19	46
Whitehorse International	6	106	13	15	105	13	105
Windsor	8	82	3	14	22	27	30
Winnipeg/James Armstrong Richardson International	7	98	4	10	22	4	26
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	3	258	4	15	18	5	46

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	36	26	11	12	26	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	0	0	0	0	0	0	0
Deer Lake	0	0	0	0	0	0	0
Fort Nelson	0	0	0	0	0	0	0
Fort St John	0	0	0	0	0	0	0
Fredericton International	9	6	17	19	6	17	6
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	6	22	22	13	20	22	20
Kamloops	0	0	0	0	0	0	0
Kenora	2	44	6	14	16	31	24
Kingston	0	0	0	0	0	0	0
Kuujuuaq	0	0	0	0	0	0	0
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	0	0	0	0	0	0	0
Lethbridge	1	102	30	21	32	30	52
Lloydminster	10	6	21	9	6	21	6
Medicine Hat	0	0	0	0	0	0	0
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	5	24	25	22	14	25	14
Nanaimo	3	42	11	16	20	11	34
Norman Wells	0	0	0	0	0	0	0
North Bay	7	18	19	16	12	19	18
Ottawa/Gatineau	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	0
Penticton	8	10	20	11	10	20	10
Port Hardy	0	0	0	0	0	0	0
Prince Albert	0	0	0	0	0	0	0
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	0	0	0	0	0	0	0
Rouyn-Noranda	0	0	0	0	0	0	0
Saint John	0	0	0	0	0	0	0
Sept-Îles	0	0	0	0	0	0	0
Sioux Lookout	0	0	0	0	0	0	0
Smithers	0	0	0	0	0	0	0
St Catharines	0	0	0	0	0	0	0
Sudbury	0	0	0	0	0	0	0
Terrace	0	0	0	0	0	0	0
Thompson	0	0	0	0	0	0	0
Timmins	0	0	0	0	0	0	0
Val-d'Or	0	0	0	0	0	0	0
Victoria Harbour	0	0	0	0	0	0	0
Wabush	0	0	0	0	0	0	0
Whitecourt	0	0	0	0	0	0	0
Williams Lake	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

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.

United Airlines will operate an additional daily flight between Quebec City and Chicago from June 5, 2009 to October 25, 2009. A new daily non-stop service between Ottawa and Denver, CO began on June 4, 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.

WestJet added new seasonal non-stop service effective early May 2009 between Halifax and London, from Fort McMurray to Vancouver and Toronto, between Edmonton and Yellowknife, and between Toronto and Sydney.

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.

Zoom Airlines suspended operations effective August 28, 2008.

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

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

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

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

Appendix II

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 Mirabel airport from London, England would appear under "other international". If the same aircraft moved on to Toronto, both the departure at Mirabel and the arrival at Toronto would be shown as "domestic".

Itinerant movements

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

Local movements

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

Other commercial

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

Power plant

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

Private aircraft

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

Runway 88

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

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

Simulated approaches

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

TC

Transport Canada.

Tower control zone

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

V.F.R. flight

A flight conducted in accordance with Visual flight rules.

Weight group

The classification of weight classes in groups for statistical purposes.