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



June 2012



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Statistics Canada
Transportation Division

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

June 2012

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- .. 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
- * significantly different from reference category ($p < 0.05$)

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Highlights

There were 506,342 aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in June 2012 compared with 524,039 movements in June 2011.

Itinerant movements (flights from one airport to another) decreased 3.6% (-13,564 movements) in June 2012 from the same month the previous year. These airports reported 366,941 movements compared with 380,505 movements in June 2011.

In June 2012, there were 139,401 local movements (flights that remain in the vicinity of the airport) recorded. This represents a decrease of 2.9% (-4,133 movements) compared with the previous year.

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

	NAV CANADA towers	Percentage change, June 2011 to June 2012	NAV CANADA Flight Service Stations	Percentage change, June 2011 to June 2012	Total	Percentage change, June 2011 to June 2012
	number	percent	number	percent	number	percent
Grand total	397,131	-4.8	109,211	2.2	506,342	-3.4
Itinerant movements						
Air carriers	220,467	-3.1	59,572	-3.2	280,039	-3.1
Other commercial movements	24,814	-4.5	4,054	7.9	28,868	-3.0
Private movements	33,746	-5.9	12,776	-5.1	46,522	-5.7
Government civil movements	4,776	-3.5	2,478	4.0	7,254	-1.1
Government military movements	3,243	-13.8	1,015	-28.0	4,258	-17.6
Itinerant total	287,046	-3.7	79,895	-3.2	366,941	-3.6
Local movements						
Civil local movements	109,507	-7.6	29,166	20.8	138,673	-2.8
Military local movements	578	-16.8	150	0.0	728	-13.8
Local total	110,085	-7.7	29,316	20.7	139,401	-2.9

Analysis

There were 506,342 aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in June 2012 compared with 524,039 movements in June 2011. Year-over-year decreases were reported by 59 airports. Toronto/Lester B. Pearson International, Ontario (36,681 movements) and Vancouver International, British Columbia (26,490 movements) were the most active sites in June 2012.

Itinerant movements (flights from one airport to another) decreased 3.6% (-13,564 movements) in June 2012 from the same month the previous year. These airports reported 366,941 movements compared with 380,505 movements in June 2011. Year-over-year variations ranged from an increase of 830 movements (+51.0%) at Wabush, Newfoundland and Labrador to a drop of 1,207 movements (-20.5%) at Vancouver Harbour, British Columbia. Thirty-four airports reported year-over-year increases in the number of itinerant aircraft movements in June 2012.

In June 2012, there were 139,401 local movements (flights that remain in the vicinity of the airport) recorded. This represents a decrease of 2.9% (-4,133 movements) compared with the previous year. Toronto/Buttonville Municipal, Ontario (10,136 movements) and Boundary Bay, British Columbia (8,224 movements) recorded the largest number of local movements.

Itinerant movements: domestic, transborder and international

There were 312,668 domestic itinerant movements reported by 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in June 2012, down 4.4% (-14,334 movements) from June 2011. Vancouver International, British Columbia (19,821 movements) and Calgary International, Alberta (16,486 movements) reported the greatest number of domestic itinerant movements. Thirty-three airports reported year-over-year increases in the number of domestic movements in June 2012.

Eighty-six airports recorded 43,885 transborder itinerant movements (between Canada and the United States) in June 2012, up 1.5% from June 2011. Toronto/Lester B. Pearson International, Ontario (15,680 movements) reported the greatest number of transborder itinerant movements.

In June 2012, thirty-eight airports reported 10,388 other international itinerant movements, up 1.2% from June 2011. Toronto/Lester B. Pearson International, Ontario, recorded 4,886 other international itinerant movements. This represents 47.0% of the total other international itinerant movements reported.

Related products

Selected publications from Statistics Canada

51-008-X	Aircraft Movement Statistics: Airports Without Air Traffic Control Towers (TP 141)
51-203-X	Air Carrier Traffic at Canadian Airports
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

401-0007	Aircraft movements, by class of operation and peak hour and peak day of movements, airports with NAV CANADA towers, monthly
401-0008	Aircraft movements, by civil and military movements, airports with NAV CANADA towers, monthly
401-0009	Itinerant movements, by type of operation, airports with NAV CANADA towers, monthly
401-0010	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA towers, monthly
401-0011	Itinerant movements, by type of power plant, airports with NAV CANADA towers, monthly
401-0012	Itinerant movements, by aircraft maximum take-off weight, airports with NAV CANADA towers, monthly
401-0013	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA towers, monthly
401-0014	Aircraft movements, by class of operation and peak hour and peak day of movements, airports with NAV CANADA flight service stations, monthly
401-0015	Aircraft movements, by civil and military movements, airports with NAV CANADA flight service stations, monthly
401-0016	Itinerant movements, by type of operation, airports with NAV CANADA flight service stations, monthly
401-0017	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA flight service stations, monthly

401-0018	Itinerant movements, by type of power plant, airports with NAV CANADA flight service stations, monthly
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401-0036	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA flight service stations, annual
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

2715 Aircraft Movement Statistics

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	8,694	29	3,376	8	5,318
Boundary Bay	7	14,063	15	5,839	2	8,224
Calgary International	3	20,635	3	20,529	40	106
Calgary/Springbank	13	11,176	22	4,418	4	6,758
Chicoutimi/St-Honoré	35	4,487	41	1,571	16	2,916
Edmonton City Centre	32	5,059	20	4,689	34	370
Edmonton International	11	11,572	6	11,216	35	356
Edmonton/Villeneuve	29	5,524	42	1,498	11	4,026
Fort McMurray	20	8,524	11	7,520	27	1,004
Fredericton International	25	6,750	28	3,398	12	3,352
Gander International	41	2,615	39	1,981	33	634
Halifax/Robert L. Stanfield International	24	6,970	14	6,784	37	186
Hamilton	36	3,987	34	2,875	26	1,112
Kelowna	26	6,690	23	4,196	19	2,494
Kitchener/Waterloo	15	10,046	21	4,636	7	5,410
Langley	30	5,432	36	2,442	14	2,990
London	23	7,216	24	4,094	13	3,122
Moncton/Greater Moncton International	34	4,509	33	2,949	23	1,560
Montréal/Pierre Elliott Trudeau International	4	20,029	4	19,967	41	62
Montréal/St-Hubert	6	14,313	13	7,145	3	7,168
Oshawa	27	5,985	27	3,575	20	2,410
Ottawa/Macdonald-Cartier International	9	12,102	5	11,310	31	792
Pitt Meadows	16	8,981	31	3,169	5	5,812
Prince George	40	3,211	37	2,083	25	1,128
Québec/Jean Lesage International	10	11,701	8	8,749	15	2,952
Regina International	31	5,153	25	3,776	24	1,377
Saskatoon/John G. Diefenbaker International	22	7,357	17	5,393	21	1,964
Sault Ste. Marie	18	8,647	30	3,195	6	5,452
St. John's International	38	3,853	26	3,607	36	246
St-Jean	37	3,965	38	2,069	22	1,896
Thunder Bay	19	8,639	16	5,779	18	2,860
Toronto/Billy Bishop Toronto City	14	11,016	9	8,120	17	2,896
Toronto/Buttonville Municipal	5	17,465	12	7,329	1	10,136
Toronto/Lester B. Pearson International	1	36,681	1	36,569	39	112
Vancouver Harbour	33	4,693	19	4,693	0	0
Vancouver International	2	26,490	2	26,368	38	122
Victoria International	8	12,330	10	7,594	9	4,736
Whitehorse International	39	3,357	35	2,483	30	874
Windsor	42	2,321	40	1,599	32	722
Winnipeg/James Armstrong Richardson International	12	11,430	7	10,530	29	900
Winnipeg/St. Andrews	21	7,701	32	3,107	10	4,594
Yellowknife	28	5,762	18	4,826	28	936
Total of NAV CANADA towers (42)	.	397,131	.	287,046	.	110,085

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	23	1,980	39	998	11	982
Campbell River	18	2,551	25	1,535	9	1,016
Castlegar	50	500	50	426	34	74
Charlottetown	39	1,199	37	1,099	31	100
Churchill	49	703	48	679	46	24
Cranbrook	43	923	44	815	30	108
Deer Lake	29	1,701	22	1,631	37	70
Fort Nelson	15	2,703	8	2,490	28	213
Fort St. John	20	2,354	14	1,936	19	418
Grande Prairie	5	4,291	6	2,745	6	1,546
High Level	37	1,354	29	1,260	32	94
Îles-de-la-Madeleine	46	833	49	509	23	324
Inuvik/Mike Zubko	26	1,737	19	1,713	45	24
Iqaluit	30	1,597	24	1,561	41	36
Kamloops	6	3,909	12	2,093	4	1,816
Kenora	31	1,590	30	1,259	22	331
Kingston	11	3,027	16	1,788	8	1,239
Kuujuuaq	33	1,523	27	1,453	38	70
La Grande Rivière	47	824	43	820	50	4
La Ronge	25	1,913	21	1,666	26	247
Lethbridge	19	2,506	17	1,758	15	748
Lloydminster	22	2,003	36	1,123	12	880
Medicine Hat	27	1,723	28	1,299	18	424
Mont-Joli	48	803	46	781	47	22
Montréal/Mirabel International	14	2,773	35	1,147	5	1,626
Nanaimo	16	2,614	15	1,820	13	794
Norman Wells	35	1,492	38	1,048	17	444
North Bay	2	4,684	10	2,158	3	2,526
Ottawa/Gatineau	3	4,626	18	1,714	2	2,912
Peace River	45	880	41	852	44	28
Penticton	24	1,937	33	1,169	14	768
Port Hardy	42	933	40	901	42	32
Prince Albert	32	1,530	26	1,499	43	31
Prince Rupert	51	274	51	258	48	16
Rankin Inlet	28	1,707	20	1,707	0	0
Red Deer Regional	1	6,578	11	2,130	1	4,448
Rouyn-Noranda	34	1,496	31	1,242	24	254
Saint John	36	1,445	32	1,193	25	252
Sept-Îles	7	3,452	2	3,220	27	232
Sioux Lookout	17	2,570	7	2,522	40	48
Smithers	41	935	45	801	29	134
St. Catharines	8	3,434	13	1,993	7	1,441
Sudbury	4	4,366	1	3,360	10	1,006
Terrace	38	1,220	34	1,164	39	56
Thompson	10	3,110	4	3,020	33	90
Timmins	12	2,842	5	2,772	36	70
Val-d'Or	21	2,127	23	1,619	16	508
Victoria Harbour	9	3,112	3	3,100	49	12
Wabush	13	2,801	9	2,457	21	344
Whitecourt	40	1,112	47	750	20	362
Williams Lake	44	914	42	842	35	72
Total of all flight service stations (51)	.	109,211	.	79,895	.	29,316

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

	Civil movements			Military movements				
	Total	Itinerant		Local	Total	Itinerant		Local
		Commercial	Private and government			Local	Local	
	number							
Abbotsford	8,663	2,330	1,015	5,318	31	31	0	
Boundary Bay	14,052	4,316	1,512	8,224	11	11	0	
Calgary International	20,579	18,901	1,572	106	56	56	0	
Calgary/Springbank	11,163	2,948	1,457	6,758	13	13	0	
Chicoutimi/St-Honoré	4,481	1,345	220	2,916	6	6	0	
Edmonton City Centre	5,045	3,190	1,489	366	14	10	4	
Edmonton International	11,500	10,412	742	346	72	62	10	
Edmonton/Villeneuve	5,278	749	503	4,026	246	246	0	
Fort McMurray	8,510	6,485	1,027	998	14	8	6	
Fredericton International	6,703	3,173	200	3,330	47	25	22	
Gander International	2,446	1,393	419	634	169	169	0	
Halifax/Robert L. Stanfield International	6,875	6,378	321	176	95	85	10	
Hamilton	3,901	2,104	709	1,088	86	62	24	
Kelowna	6,656	3,412	752	2,492	34	32	2	
Kitchener/Waterloo	10,016	3,310	1,300	5,406	30	26	4	
Langley	5,268	1,289	989	2,990	164	164	0	
London	7,197	3,074	1,005	3,118	19	15	4	
Moncton/Greater Moncton International	4,448	2,640	306	1,502	61	3	58	
Montréal/Pierre Elliott Trudeau International	19,999	18,388	1,549	62	30	30	0	
Montréal/St-Hubert	14,232	5,586	1,494	7,152	81	65	16	
Oshawa	5,983	2,322	1,251	2,410	2	2	0	
Ottawa/Macdonald-Cartier International	11,817	10,251	784	782	285	275	10	
Pitt Meadows	8,973	1,830	1,337	5,806	8	2	6	
Prince George	3,199	1,575	496	1,128	12	12	0	
Québec/Jean Lesage International	11,626	6,996	1,682	2,948	75	71	4	
Regina International	4,892	2,988	749	1,155	261	39	222	
Saskatoon/John G. Diefenbaker International	7,198	4,472	868	1,858	159	53	106	
Sault Ste. Marie	8,605	2,871	286	5,448	42	38	4	
St. John's International	3,710	3,061	403	246	143	143	0	
St-Jean	3,163	237	1,040	1,886	802	792	10	
Thunder Bay	8,529	5,150	551	2,828	110	78	32	
Toronto/Billy Bishop Toronto City	11,007	7,459	656	2,892	9	5	4	
Toronto/Buttonville Municipal	17,465	3,929	3,400	10,136	0	0	0	
Toronto/Lester B. Pearson International	36,663	35,301	1,250	112	18	18	0	
Vancouver Harbour	4,689	4,642	47	0	4	4	0	
Vancouver International	26,460	25,203	1,135	122	30	30	0	
Victoria International	12,115	5,922	1,465	4,728	215	207	8	
Whitehorse International	3,339	1,849	620	870	18	14	4	
Windsor	2,311	1,140	455	716	10	4	6	
Winnipeg/James Armstrong Richardson International	11,185	9,442	845	898	245	243	2	
Winnipeg/St. Andrews	7,694	2,731	369	4,594	7	7	0	
Yellowknife	5,675	4,487	252	936	87	87	0	
Total of NAV CANADA towers (42)	393,310	245,281	38,522	109,507	3,821	3,243	578	

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

	Civil movements			Military movements				
	Total	Itinerant		Local	Total	Itinerant		Local
		Commercial	Private and government			Commercial	Private and government	
	number							
Brandon Municipal	1,814	377	461	976	166	160	6	
Campbell River	2,534	1,057	469	1,008	17	9	8	
Castlegar	500	368	58	74	0	0	0	
Charlottetown	1,182	797	297	88	17	5	12	
Churchill	695	613	58	24	8	8	0	
Cranbrook	917	628	181	108	6	6	0	
Deer Lake	1,637	1,439	140	58	64	52	12	
Fort Nelson	2,664	2,181	270	213	39	39	0	
Fort St. John	2,320	1,516	386	418	34	34	0	
Grande Prairie	4,289	2,150	593	1,546	2	2	0	
High Level	1,354	1,153	107	94	0	0	0	
Îles-de-la-Madeleine	833	357	152	324	0	0	0	
Inuvik/Mike Zubko	1,713	1,616	75	22	24	22	2	
Iqaluit	1,564	1,433	95	36	33	33	0	
Kamloops	3,897	1,659	422	1,816	12	12	0	
Kenora	1,495	875	301	319	95	83	12	
Kingston	2,971	1,173	571	1,227	56	44	12	
Kuujuuaq	1,521	1,356	95	70	2	2	0	
La Grande Rivière	806	737	65	4	18	18	0	
La Ronge	1,913	1,212	454	247	0	0	0	
Lethbridge	2,484	1,302	438	744	22	18	4	
Lloydminster	1,995	652	463	880	8	8	0	
Medicine Hat	1,710	967	321	422	13	11	2	
Mont-Joli	796	684	90	22	7	7	0	
Montréal/Mirabel International	2,716	850	266	1,600	57	31	26	
Nanaimo	2,614	1,032	788	794	0	0	0	
Norman Wells	1,485	983	58	444	7	7	0	
North Bay	4,584	1,444	620	2,520	100	94	6	
Ottawa/Gatineau	4,621	958	751	2,912	5	5	0	
Peace River	878	752	98	28	2	2	0	
Penticton	1,852	747	337	768	85	85	0	
Port Hardy	906	755	131	20	27	15	12	
Prince Albert	1,526	1,306	189	31	4	4	0	
Prince Rupert	271	214	41	16	3	3	0	
Rankin Inlet	1,697	1,676	21	0	10	10	0	
Red Deer Regional	6,544	1,463	633	4,448	34	34	0	
Rouyn-Noranda	1,495	1,041	200	254	1	1	0	
Saint John	1,432	817	371	244	13	5	8	
Sept-Îles	3,448	2,723	493	232	4	4	0	
Sioux Lookout	2,550	2,382	120	48	20	20	0	
Smithers	883	636	113	134	52	52	0	
St. Catharines	3,428	1,267	720	1,441	6	6	0	
Sudbury	4,356	2,636	714	1,006	10	10	0	
Terrace	1,214	1,053	105	56	6	6	0	
Thompson	3,080	2,746	272	62	30	2	28	
Timmins	2,839	2,263	506	70	3	3	0	
Val-d'Or	2,126	1,232	386	508	1	1	0	
Victoria Harbour	3,103	2,964	127	12	9	9	0	
Wabush	2,801	2,219	238	344	0	0	0	
Whitecourt	1,087	571	154	362	25	25	0	
Williams Lake	906	594	240	72	8	8	0	
Total of all flight service stations (51)	108,046	63,626	15,254	29,166	1,165	1,015	150	

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	3,376	447	1,754	129	952	63	31
Boundary Bay	5,839	22	1,025	3,269	1,494	18	11
Calgary International	20,529	17,438	990	473	1,442	130	56
Calgary/Springbank	4,418	34	534	2,380	1,445	12	13
Chicoutimi/St-Honoré	1,571	644	46	655	220	0	6
Edmonton City Centre	4,689	1,178	696	1,316	850	639	10
Edmonton International	11,216	10,137	229	46	732	10	62
Edmonton/Villeneuve	1,498	6	105	638	499	4	246
Fort McMurray	7,520	1,866	4,436	183	991	36	8
Fredericton International	3,398	933	2,223	17	155	45	25
Gander International	1,981	1,273	96	24	309	110	169
Halifax/Robert L. Stanfield International	6,784	6,002	361	15	288	33	85
Hamilton	2,875	1,825	145	134	430	279	62
Kelowna	4,196	2,735	403	274	665	87	32
Kitchener/Waterloo	4,636	428	2,782	100	1,288	12	26
Langley	2,442	6	161	1,122	980	9	164
London	4,094	1,158	345	1,571	947	58	15
Moncton/Greater Moncton International	2,949	1,676	958	6	147	159	3
Montréal/Pierre Elliott Trudeau International	19,967	17,288	1,021	79	1,381	168	30
Montréal/St-Hubert	7,145	3,005	926	1,655	1,428	66	65
Oshawa	3,575	54	185	2,083	1,158	93	2
Ottawa/Macdonald-Cartier International	11,310	8,054	378	1,819	371	413	275
Pitt Meadows	3,169	2	1,312	516	1,316	21	2
Prince George	2,083	1,189	366	20	435	61	12
Québec/Jean Lesage International	8,749	4,267	2,286	443	1,338	344	71
Regina International	3,776	2,148	805	35	557	192	39
Saskatoon/John G. Diefenbaker International	5,393	3,416	755	301	547	321	53
Sault Ste. Marie	3,195	1,103	76	1,692	238	48	38
St. John's International	3,607	2,714	340	7	177	226	143
St-Jean	2,069	25	177	35	1,040	0	792
Thunder Bay	5,779	3,530	263	1,357	431	120	78
Toronto/Billy Bishop Toronto City	8,120	5,307	855	1,297	622	34	5
Toronto/Buttonville Municipal	7,329	232	3,610	87	3,288	112	0
Toronto/Lester B. Pearson International	36,569	34,690	581	30	1,237	13	18
Vancouver Harbour	4,693	4,273	369	0	45	2	4
Vancouver International	26,368	23,403	1,708	92	870	265	30
Victoria International	7,594	3,167	2,584	171	1,426	39	207
Whitehorse International	2,483	1,079	724	46	575	45	14
Windsor	1,599	617	494	29	441	14	4
Winnipeg/James Armstrong Richardson International	10,530	8,982	398	62	490	355	243
Winnipeg/St. Andrews	3,107	710	1,422	599	369	0	7
Yellowknife	4,826	3,681	799	7	132	120	87
Total of NAV CANADA towers (42)	287,046	180,744	39,723	24,814	33,746	4,776	3,243

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	998	106	237	34	442	19	160
Campbell River	1,535	635	212	210	453	16	9
Castlegar	426	247	97	24	58	0	0
Charlottetown	1,099	757	22	18	267	30	5
Churchill	679	571	34	8	46	12	8
Cranbrook	815	568	46	14	175	6	6
Deer Lake	1,631	1,314	111	14	50	90	52
Fort Nelson	2,490	504	1,665	12	266	4	39
Fort St. John	1,936	800	674	42	371	15	34
Grande Prairie	2,745	1,128	878	144	573	20	2
High Level	1,260	389	761	3	96	11	0
Îles-de-la-Madeleine	509	319	38	0	111	41	0
Inuvik/Mike Zubko	1,713	1,126	490	0	16	59	22
Iqaluit	1,561	1,231	131	71	66	29	33
Kamloops	2,093	861	639	159	381	41	12
Kenora	1,259	430	304	141	269	32	83
Kingston	1,788	445	411	317	554	17	44
Kuujuuaq	1,453	970	346	40	48	47	2
La Grande Rivière	820	537	188	12	48	17	18
La Ronge	1,666	1,119	68	25	87	367	0
Lethbridge	1,758	461	46	795	423	15	18
Lloydminster	1,123	234	407	11	448	15	8
Medicine Hat	1,299	521	279	167	301	20	11
Mont-Joli	781	469	177	38	68	22	7
Montréal/Mirabel International	1,147	788	46	16	262	4	31
Nanaimo	1,820	470	529	33	766	22	0
Norman Wells	1,048	692	287	4	25	33	7
North Bay	2,158	687	574	183	582	38	94
Ottawa/Gatineau	1,714	293	506	159	738	13	5
Peace River	852	380	366	6	84	14	2
Penticton	1,169	314	408	25	325	12	85
Port Hardy	901	647	106	2	90	41	15
Prince Albert	1,499	1,270	30	6	74	115	4
Prince Rupert	258	200	8	6	31	10	3
Rankin Inlet	1,707	1,097	579	0	4	17	10
Red Deer Regional	2,130	268	1,048	147	608	25	34
Rouyn-Noranda	1,242	748	204	89	178	22	1
Saint John	1,193	724	53	40	353	18	5
Sept-Îles	3,220	1,454	1,223	46	288	205	4
Sioux Lookout	2,522	1,995	142	245	94	26	20
Smithers	801	525	100	11	93	20	52
St. Catharines	1,993	6	1,215	46	698	22	6
Sudbury	3,360	1,668	512	456	487	227	10
Terrace	1,164	701	345	7	68	37	6
Thompson	3,020	2,329	408	9	63	209	2
Timmins	2,772	2,027	147	89	318	188	3
Val-d'Or	1,619	839	352	41	326	60	1
Victoria Harbour	3,100	2,935	24	5	14	113	9
Wabush	2,457	1,628	563	28	212	26	0
Whitecourt	750	32	487	52	148	6	25
Williams Lake	842	417	173	4	230	10	8
Total of all flight service stations (51)	79,895	40,876	18,696	4,054	12,776	2,478	1,015

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	3,376	719	21.2	2,657	78.7	1,806
Boundary Bay	5,839	291	4.9	5,548	95.0	839
Calgary International	20,529	19,462	94.8	1,067	5.1	359
Calgary/Springbank	4,418	470	10.6	3,948	89.3	143
Chicoutimi/St-Honoré	1,571	181	11.5	1,390	88.4	182
Edmonton City Centre	4,689	2,110	44.9	2,579	55.0	1,550
Edmonton International	11,216	10,784	96.1	432	3.8	823
Edmonton/Villeneuve	1,498	74	4.9	1,424	95.0	153
Fort McMurray	7,520	2,354	31.3	5,166	68.6	348
Fredericton International	3,398	1,121	32.9	2,277	67.0	115
Gander International	1,981	1,219	61.5	762	38.4	256
Halifax/Robert L. Stanfield International	6,784	6,502	95.8	282	4.1	288
Hamilton	2,875	2,041	70.9	834	29.0	1,229
Kelowna	4,196	2,559	60.9	1,637	39.0	899
Kitchener/Waterloo	4,636	740	15.9	3,896	84.0	1,010
Langley	2,442	61	2.4	2,381	97.5	886
London	4,094	1,454	35.5	2,640	64.4	676
Moncton/Greater Moncton International	2,949	1,941	65.8	1,008	34.1	102
Montréal/Pierre Elliott Trudeau International	19,967	19,307	96.6	660	3.3	1,721
Montréal/St-Hubert	7,145	2,014	28.1	5,131	71.8	781
Oshawa	3,575	166	4.6	3,409	95.3	679
Ottawa/Macdonald-Cartier International	11,310	8,842	78.1	2,468	21.8	907
Pitt Meadows	3,169	35	1.1	3,134	98.8	2,006
Prince George	2,083	1,372	65.8	711	34.1	534
Québec/Jean Lesage International	8,749	5,497	62.8	3,252	37.1	1,320
Regina International	3,776	2,588	68.5	1,188	31.4	166
Saskatoon/John G. Diefenbaker International	5,393	4,017	74.4	1,376	25.5	291
Sault Ste. Marie	3,195	1,274	39.8	1,921	60.1	204
St. John's International	3,607	3,290	91.2	317	8.7	147
St-Jean	2,069	11	0.5	2,058	99.4	408
Thunder Bay	5,779	3,671	63.5	2,108	36.4	177
Toronto/Billy Bishop Toronto City	8,120	5,638	69.4	2,482	30.5	2,234
Toronto/Buttonville Municipal	7,329	949	12.9	6,380	87.0	1,221
Toronto/Lester B. Pearson International	36,569	36,497	99.8	72	0.1	210
Vancouver Harbour	4,693	81	1.7	4,612	98.2	2,154
Vancouver International	26,368	21,908	83.0	4,460	16.9	6,075
Victoria International	7,594	3,762	49.5	3,832	50.4	3,973
Whitehorse International	2,483	792	31.8	1,691	68.1	649
Windsor	1,599	743	46.4	856	53.5	123
Winnipeg/James Armstrong Richardson International	10,530	9,318	88.4	1,212	11.5	963
Winnipeg/St. Andrews	3,107	105	3.3	3,002	96.6	200
Yellowknife	4,826	2,203	45.6	2,623	54.3	1,072
Total of NAV CANADA towers (42)	287,046	188,163	65.6	98,883	34.4	39,879

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	998	142	14.2	856	85.7	159
Campbell River	1,535	508	33.0	1,027	66.9	652
Castlegar	426	257	60.3	169	39.6	112
Charlottetown	1,099	853	77.6	246	22.3	111
Churchill	679	610	89.8	69	10.1	62
Cranbrook	815	622	76.3	193	23.6	127
Deer Lake	1,631	1,361	83.4	270	16.5	72
Fort Nelson	2,490	536	21.5	1,954	78.4	93
Fort St. John	1,936	918	47.4	1,018	52.5	182
Grande Prairie	2,745	1,370	49.9	1,375	50.0	210
High Level	1,260	198	15.7	1,062	84.2	278
Îles-de-la-Madeleine	509	406	79.7	103	20.2	4
Inuvik/Mike Zubko	1,713	348	20.3	1,365	79.6	377
Iqaluit	1,561	1,211	77.5	350	22.4	16
Kamloops	2,093	1,015	48.4	1,078	51.5	505
Kenora	1,259	580	46.0	679	53.9	692
Kingston	1,788	574	32.1	1,214	67.8	239
Kuujuuaq	1,453	524	36.0	929	63.9	82
La Grande Rivière	820	617	75.2	203	24.7	219
La Ronge	1,666	811	48.6	855	51.3	1,675
Lethbridge	1,758	567	32.2	1,191	67.7	34
Lloydminster	1,123	302	26.8	821	73.1	23
Medicine Hat	1,299	425	32.7	874	67.2	167
Mont-Joli	781	648	82.9	133	17.0	45
Montréal/Mirabel International	1,147	920	80.2	227	19.7	1,588
Nanaimo	1,820	639	35.1	1,181	64.8	1,071
Norman Wells	1,048	212	20.2	836	79.7	216
North Bay	2,158	869	40.2	1,289	59.7	724
Ottawa/Gatineau	1,714	185	10.7	1,529	89.2	705
Peace River	852	381	44.7	471	55.2	12
Penticton	1,169	294	25.1	875	74.8	139
Port Hardy	901	310	34.4	591	65.5	338
Prince Albert	1,499	1,316	87.7	183	12.2	116
Prince Rupert	258	207	80.2	51	19.7	25
Rankin Inlet	1,707	1,103	64.6	604	35.3	16
Red Deer Regional	2,130	420	19.7	1,710	80.2	375
Rouyn-Noranda	1,242	956	76.9	286	23.0	166
Saint John	1,193	985	82.5	208	17.4	36
Sept-Îles	3,220	2,067	64.1	1,153	35.8	397
Sioux Lookout	2,522	1,867	74.0	655	25.9	1,437
Smithers	801	499	62.2	302	37.7	520
St. Catharines	1,993	144	7.2	1,849	92.7	350
Sudbury	3,360	1,825	54.3	1,535	45.6	260
Terrace	1,164	707	60.7	457	39.2	179
Thompson	3,020	1,853	61.3	1,167	38.6	806
Timmins	2,772	1,990	71.7	782	28.2	318
Val-d'Or	1,619	869	53.6	750	46.3	717
Victoria Harbour	3,100	82	2.6	3,018	97.3	863
Wabush	2,457	1,804	73.4	653	26.5	394
Whitecourt	750	76	10.1	674	89.8	121
Williams Lake	842	439	52.1	403	47.8	143
Total of all flight service stations (51)	79,895	38,422	48.1	41,473	51.9	18,168

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	3,376	445	172	1,886	872	1
Boundary Bay	5,839	17	29	5,541	252	0
Calgary International	20,529	13,808	5,564	264	893	0
Calgary/Springbank	4,418	82	148	3,660	528	0
Chicoutimi/St-Honoré	1,571	1	124	1,283	163	0
Edmonton City Centre	4,689	338	1,660	1,769	921	1
Edmonton International	11,216	7,084	3,701	371	60	0
Edmonton/Villeneuve	1,498	18	21	1,216	123	120
Fort McMurray	7,520	1,328	2,144	1,388	2,660	0
Fredericton International	3,398	56	977	2,250	115	0
Gander International	1,981	529	662	590	200	0
Halifax/Robert L. Stanfield International	6,784	3,541	2,842	176	225	0
Hamilton	2,875	1,463	618	597	197	0
Kelowna	4,196	1,107	1,546	1,170	372	1
Kitchener/Waterloo	4,636	259	397	3,678	298	4
Langley	2,442	0	9	1,951	409	73
London	4,094	444	1,056	2,391	203	0
Moncton/Greater Moncton International	2,949	687	1,208	1,003	51	0
Montréal/Pierre Elliott Trudeau International	19,967	12,185	7,049	413	320	0
Montréal/St-Hubert	7,145	295	1,239	5,293	318	0
Oshawa	3,575	18	57	3,364	136	0
Ottawa/Macdonald-Cartier International	11,310	5,886	2,954	2,037	433	0
Pitt Meadows	3,169	1	6	2,906	256	0
Prince George	2,083	361	1,068	477	174	3
Québec/Jean Lesage International	8,749	1,188	4,231	2,435	894	1
Regina International	3,776	1,658	794	1,208	108	8
Saskatoon/John G. Diefenbaker International	5,393	1,821	2,068	1,432	67	5
Sault Ste. Marie	3,195	51	1,183	1,921	40	0
St. John's International	3,607	1,473	1,644	123	367	0
St-Jean	2,069	0	0	1,390	30	649
Thunder Bay	5,779	407	3,389	1,705	278	0
Toronto/Billy Bishop Toronto City	8,120	14	5,638	1,876	592	0
Toronto/Buttonville Municipal	7,329	57	436	6,513	322	1
Toronto/Lester B. Pearson International	36,569	29,548	6,964	46	11	0
Vancouver Harbour	4,693	0	2,629	1,357	707	0
Vancouver International	26,368	12,474	10,475	2,572	847	0
Victoria International	7,594	1,267	2,321	3,738	268	0
Whitehorse International	2,483	531	562	978	412	0
Windsor	1,599	180	564	837	18	0
Winnipeg/James Armstrong Richardson International	10,530	5,213	4,266	776	275	0
Winnipeg/St. Andrews	3,107	0	798	2,102	207	0
Yellowknife	4,826	749	2,807	501	769	0
Total of NAV CANADA towers (42)	287,046	106,584	86,020	77,184	16,391	867

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	998	27	140	625	89	117
Campbell River	1,535	33	686	389	427	0
Castlegar	426	12	281	80	53	0
Charlottetown	1,099	350	463	212	74	0
Churchill	679	10	597	40	32	0
Cranbrook	815	30	557	181	47	0
Deer Lake	1,631	206	1,191	132	102	0
Fort Nelson	2,490	112	481	341	1,556	0
Fort St. John	1,936	241	708	427	560	0
Grande Prairie	2,745	246	1,038	833	625	3
High Level	1,260	4	312	327	617	0
Îles-de-la-Madeleine	509	21	369	118	1	0
Inuvik/Mike Zubko	1,713	116	732	379	486	0
Iqaluit	1,561	366	1,060	33	102	0
Kamloops	2,093	111	857	764	361	0
Kenora	1,259	76	559	327	297	0
Kingston	1,788	37	458	1,117	176	0
Kuujuuaq	1,453	210	750	191	302	0
La Grande Rivière	820	104	584	116	16	0
La Ronge	1,666	12	1,285	293	76	0
Lethbridge	1,758	49	836	843	30	0
Lloydminster	1,123	27	351	709	36	0
Medicine Hat	1,299	26	512	645	116	0
Mont-Joli	781	22	631	102	26	0
Montréal/Mirabel International	1,147	603	304	97	143	0
Nanaimo	1,820	35	496	1,245	44	0
Norman Wells	1,048	181	321	275	271	0
North Bay	2,158	104	834	497	713	10
Ottawa/Gatineau	1,714	5	123	1,378	208	0
Peace River	852	20	334	140	358	0
Penticton	1,169	29	350	316	474	0
Port Hardy	901	15	547	241	98	0
Prince Albert	1,499	2	1,316	121	60	0
Prince Rupert	258	36	170	9	43	0
Rankin Inlet	1,707	216	907	4	580	0
Red Deer Regional	2,130	48	334	1,547	201	0
Rouyn-Noranda	1,242	75	944	199	24	0
Saint John	1,193	251	695	219	28	0
Sept-Îles	3,220	98	1,905	526	691	0
Sioux Lookout	2,522	16	2,079	392	35	0
Smithers	801	9	550	119	97	26
St. Catharines	1,993	31	45	1,253	634	30
Sudbury	3,360	33	1,931	844	552	0
Terrace	1,164	40	710	60	354	0
Thompson	3,020	93	2,297	316	314	0
Timmins	2,772	16	2,209	376	171	0
Val-d'Or	1,619	119	795	473	232	0
Victoria Harbour	3,100	0	2,411	148	541	0
Wabush	2,457	30	1,710	374	343	0
Whitecourt	750	8	65	143	532	2
Williams Lake	842	14	493	262	73	0
Total of all flight service stations (51)	79,895	4,575	40,313	20,798	14,021	188

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

	Maximum 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	2,404	317	174	25	19	18	404	15	0	0
Boundary Bay	5,479	316	22	14	3	5	0	0	0	0
Calgary International	736	498	1,752	1,965	1,097	4,725	8,203	754	184	615
Calgary/Springbank	3,818	375	170	53	2	0	0	0	0	0
Chicoutimi/St-Honoré	1,274	176	120	0	0	1	0	0	0	0
Edmonton City Centre	2,335	403	1,472	351	104	22	0	2	0	0
Edmonton International	301	145	588	1,068	556	2,761	5,152	394	173	78
Edmonton/Villeneuve	1,382	44	57	12	3	0	0	0	0	0
Fort McMurray	3,271	1,341	997	462	66	791	532	60	0	0
Fredericton International	2,272	170	193	236	229	288	2	6	0	2
Gander International	586	49	71	529	290	339	48	50	2	17
Halifax/Robert L. Stanfield International	133	209	383	1,061	919	1,353	2,079	329	167	151
Hamilton	365	450	215	365	247	84	567	10	436	136
Kelowna	1,440	116	317	532	44	904	840	0	3	0
Kitchener/Waterloo	3,849	133	399	70	38	84	59	4	0	0
Langley	2,332	80	15	1	13	1	0	0	0	0
London	2,483	73	270	231	634	212	185	6	0	0
Moncton/Greater Moncton International	1,004	136	198	442	91	680	154	0	240	4
Montréal/Pierre Elliott Trudeau International	517	168	928	719	2,971	6,592	5,035	1,351	2	1,684
Montréal/St-Hubert	4,839	730	796	551	189	26	8	6	0	0
Oshawa	3,318	177	44	36	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	2,103	171	1,001	425	727	3,409	2,811	358	44	261
Pitt Meadows	2,987	177	2	1	0	2	0	0	0	0
Prince George	533	169	149	645	21	371	195	0	0	0
Québec/Jean Lesage International	2,917	427	1,072	768	1,209	2,172	105	4	4	71
Regina International	1,070	245	465	370	50	885	619	6	66	0
Saskatoon/John G. Diefenbaker International	1,200	330	758	837	289	1,103	829	4	43	0
Sault Ste. Marie	1,909	92	572	116	234	269	0	3	0	0
St. John's International	126	31	289	642	687	464	1,009	247	89	23
St-Jean	2,061	8	0	0	0	0	0	0	0	0
Thunder Bay	1,601	299	2,455	233	146	839	204	2	0	0
Toronto/Billy Bishop Toronto City	2,128	200	365	326	2	5,099	0	0	0	0
Toronto/Buttonville Municipal	6,446	411	359	90	18	5	0	0	0	0
Toronto/Lester B. Pearson International	13	182	404	2,153	3,719	8,006	13,992	4,100	242	3,758
Vancouver Harbour	235	3,778	674	2	2	2	0	0	0	0
Vancouver International	666	3,919	909	2,887	1,955	5,341	6,560	1,746	352	2,033
Victoria International	3,201	887	253	491	819	1,279	593	35	34	2
Whitehorse International	1,167	278	212	135	27	331	313	10	0	10
Windsor	816	31	93	123	159	309	68	0	0	0
Winnipeg/James Armstrong Richardson International	577	564	2,884	371	977	1,848	2,384	260	613	52
Winnipeg/St. Andrews	2,139	829	136	0	3	0	0	0	0	0
Yellowknife	854	687	973	411	267	929	538	167	0	0
Total of NAV CANADA towers (42)	78,887	19,821	23,206	19,749	18,826	51,549	53,488	9,929	2,694	8,897

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

	Maximum 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	715	69	170	29	11	0	0	4	0	0
Campbell River	760	79	33	524	139	0	0	0	0	0
Castlegar	99	26	22	78	28	173	0	0	0	0
Charlottetown	241	119	36	129	130	274	167	3	0	0
Churchill	66	2	92	10	148	357	0	4	0	0
Cranbrook	154	66	61	303	123	108	0	0	0	0
Deer Lake	181	33	52	444	566	153	184	18	0	0
Fort Nelson	1,106	124	764	196	140	85	74	1	0	0
Fort St. John	842	101	238	278	137	298	42	0	0	0
Grande Prairie	1,099	355	397	189	17	525	163	0	0	0
High Level	687	106	300	113	2	0	52	0	0	0
Îles-de-la-Madeleine	105	13	74	91	148	78	0	0	0	0
Inuvik/Mike Zubko	725	62	649	12	62	102	93	8	0	0
Iqaluit	79	19	466	152	241	302	215	18	19	50
Kamloops	896	126	206	248	128	404	85	0	0	0
Kenora	336	89	684	62	44	14	0	30	0	0
Kingston	1,128	113	96	242	189	8	0	12	0	0
Kuujuuaq	434	74	588	6	37	153	139	2	0	20
La Grande Rivière	36	110	179	2	54	339	100	0	0	0
La Ronge	147	178	661	93	305	282	0	0	0	0
Lethbridge	733	172	491	306	9	47	0	0	0	0
Lloydminster	689	111	166	149	7	1	0	0	0	0
Medicine Hat	699	49	235	299	7	10	0	0	0	0
Mont-Joli	71	55	220	278	111	46	0	0	0	0
Montréal/Mirabel International	191	104	12	134	30	129	57	15	263	212
Nanaimo	887	400	48	46	35	404	0	0	0	0
Norman Wells	342	175	237	47	2	64	181	0	0	0
North Bay	1,080	133	526	86	194	100	17	22	0	0
Ottawa/Gatineau	1,206	366	63	66	13	0	0	0	0	0
Peace River	240	187	341	68	8	4	4	0	0	0
Penticton	639	127	60	129	17	179	18	0	0	0
Port Hardy	86	247	301	120	137	10	0	0	0	0
Prince Albert	90	75	189	392	309	444	0	0	0	0
Prince Rupert	18	2	64	26	53	95	0	0	0	0
Rankin Inlet	329	272	134	14	280	514	162	2	0	0
Red Deer Regional	1,529	195	221	141	4	39	1	0	0	0
Rouyn-Noranda	211	12	441	12	315	192	59	0	0	0
Saint John	142	183	159	243	191	269	4	2	0	0
Sept-Îles	832	390	563	544	651	238	2	0	0	0
Sioux Lookout	102	352	1,236	711	113	0	0	8	0	0
Smithers	226	53	66	263	68	125	0	0	0	0
St. Catharines	1,731	169	48	26	10	5	0	4	0	0
Sudbury	763	500	1,147	332	228	384	0	6	0	0
Terrace	256	137	148	204	213	206	0	0	0	0
Thompson	380	333	1,344	33	279	645	0	6	0	0
Timmins	356	283	1,257	106	419	347	4	0	0	0
Val-d'Or	561	121	357	22	312	153	77	0	14	2
Victoria Harbour	50	2,306	735	0	9	0	0	0	0	0
Wabush	373	335	488	595	403	259	4	0	0	0
Whitecourt	613	27	77	10	12	9	0	2	0	0
Williams Lake	306	33	26	445	14	14	4	0	0	0
Total of all flight service stations (51)	25,567	9,768	17,168	9,048	7,102	8,587	1,908	167	296	284

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	3,299	439	1,734	126	906	63	31
Transborder	76	8	20	3	45	0	0
Other international	1	0	0	0	1	0	0
Total	3,376	447	1,754	129	952	63	31
Boundary Bay							
Domestic	5,724	17	1,018	3,226	1,434	18	11
Transborder	115	5	7	43	60	0	0
Other international	0	0	0	0	0	0	0
Total	5,839	22	1,025	3,269	1,494	18	11
Calgary International							
Domestic	16,486	13,818	942	460	1,081	130	55
Transborder	3,497	3,080	48	13	355	0	1
Other international	546	540	0	0	6	0	0
Total	20,529	17,438	990	473	1,442	130	56
Calgary/Springbank							
Domestic	4,328	34	527	2,372	1,370	12	13
Transborder	90	0	7	8	75	0	0
Other international	0	0	0	0	0	0	0
Total	4,418	34	534	2,380	1,445	12	13
Chicoutimi/St-Honoré							
Domestic	1,570	644	46	655	219	0	6
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,571	644	46	655	220	0	6
Edmonton City Centre							
Domestic	4,672	1,176	694	1,308	846	638	10
Transborder	16	2	2	7	4	1	0
Other international	1	0	0	1	0	0	0
Total	4,689	1,178	696	1,316	850	639	10
Edmonton International							
Domestic	9,903	8,904	226	43	665	9	56
Transborder	1,210	1,131	3	3	67	1	5
Other international	103	102	0	0	0	0	1
Total	11,216	10,137	229	46	732	10	62
Edmonton/Villeneuve							
Domestic	1,497	6	105	638	498	4	246
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,498	6	105	638	499	4	246
Fort McMurray							
Domestic	7,516	1,866	4,436	183	987	36	8
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	7,520	1,866	4,436	183	991	36	8
Fredericton International							
Domestic	3,335	917	2,216	14	128	41	19
Transborder	60	16	6	3	27	4	4
Other international	3	0	1	0	0	0	2
Total	3,398	933	2,223	17	155	45	25
Gander International							
Domestic	1,580	1,203	94	2	70	110	101
Transborder	185	30	0	10	117	0	28
Other international	216	40	2	12	122	0	40
Total	1,981	1,273	96	24	309	110	169

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	5,766	5,122	357	13	199	33	42
Transborder	840	735	3	1	79	0	22
Other international	178	145	1	1	10	0	21
Total	6,784	6,002	361	15	288	33	85
Hamilton							
Domestic	2,145	1,252	119	129	311	275	59
Transborder	702	552	24	5	114	4	3
Other international	28	21	2	0	5	0	0
Total	2,875	1,825	145	134	430	279	62
Kelowna							
Domestic	3,987	2,603	401	273	594	87	29
Transborder	208	132	2	1	71	0	2
Other international	1	0	0	0	0	0	1
Total	4,196	2,735	403	274	665	87	32
Kitchener/Waterloo							
Domestic	4,391	352	2,744	98	1,159	12	26
Transborder	245	76	38	2	129	0	0
Other international	0	0	0	0	0	0	0
Total	4,636	428	2,782	100	1,288	12	26
Langley							
Domestic	2,434	6	161	1,122	972	9	164
Transborder	8	0	0	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	2,442	6	161	1,122	980	9	164
London							
Domestic	3,821	1,021	342	1,566	821	58	13
Transborder	272	136	3	5	126	0	2
Other international	1	1	0	0	0	0	0
Total	4,094	1,158	345	1,571	947	58	15
Moncton/Greater Moncton International							
Domestic	2,853	1,600	958	6	128	159	2
Transborder	91	71	0	0	19	0	1
Other international	5	5	0	0	0	0	0
Total	2,949	1,676	958	6	147	159	3
Montréal/Pierre Elliott Trudeau International							
Domestic	11,691	9,757	847	39	859	168	21
Transborder	6,082	5,414	139	23	501	0	5
Other international	2,194	2,117	35	17	21	0	4
Total	19,967	17,288	1,021	79	1,381	168	30
Montréal/St-Hubert							
Domestic	6,900	2,983	915	1,651	1,220	66	65
Transborder	236	22	10	3	201	0	0
Other international	9	0	1	1	7	0	0
Total	7,145	3,005	926	1,655	1,428	66	65
Oshawa							
Domestic	3,503	42	180	2,083	1,104	93	1
Transborder	68	12	4	0	52	0	0
Other international	4	0	1	0	2	0	1
Total	3,575	54	185	2,083	1,158	93	2
Ottawa/Macdonald-Cartier International							
Domestic	9,072	6,029	350	1,801	261	393	238
Transborder	2,096	1,898	28	18	110	20	22
Other international	142	127	0	0	0	0	15
Total	11,310	8,054	378	1,819	371	413	275

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							
Pitt Meadows							
Domestic	3,162	2	1,312	514	1,311	21	2
Transborder	7	0	0	2	5	0	0
Other international	0	0	0	0	0	0	0
Total	3,169	2	1,312	516	1,316	21	2
Prince George							
Domestic	2,051	1,187	366	20	407	61	10
Transborder	32	2	0	0	28	0	2
Other international	0	0	0	0	0	0	0
Total	2,083	1,189	366	20	435	61	12
Québec/Jean Lesage International							
Domestic	7,895	3,553	2,269	440	1,223	343	67
Transborder	775	650	16	1	106	1	1
Other international	79	64	1	2	9	0	3
Total	8,749	4,267	2,286	443	1,338	344	71
Regina International							
Domestic	3,400	1,838	798	35	500	191	38
Transborder	374	309	7	0	56	1	1
Other international	2	1	0	0	1	0	0
Total	3,776	2,148	805	35	557	192	39
Saskatoon/John G. Diefenbaker International							
Domestic	5,088	3,167	745	301	504	318	53
Transborder	304	249	10	0	42	3	0
Other international	1	0	0	0	1	0	0
Total	5,393	3,416	755	301	547	321	53
Sault Ste. Marie							
Domestic	3,160	1,099	73	1,691	211	48	38
Transborder	34	4	3	0	27	0	0
Other international	1	0	0	1	0	0	0
Total	3,195	1,103	76	1,692	238	48	38
St. John's International							
Domestic	3,243	2,527	335	2	111	220	48
Transborder	150	69	0	2	32	0	47
Other international	214	118	5	3	34	6	48
Total	3,607	2,714	340	7	177	226	143
St-Jean							
Domestic	2,066	25	177	34	1,038	0	792
Transborder	3	0	0	1	2	0	0
Other international	0	0	0	0	0	0	0
Total	2,069	25	177	35	1,040	0	792
Thunder Bay							
Domestic	5,709	3,513	262	1,356	382	120	76
Transborder	67	16	0	1	48	0	2
Other international	3	1	1	0	1	0	0
Total	5,779	3,530	263	1,357	431	120	78
Toronto/Billy Bishop Toronto City							
Domestic	6,420	3,737	852	1,295	498	33	5
Transborder	1,700	1,570	3	2	124	1	0
Other international	0	0	0	0	0	0	0
Total	8,120	5,307	855	1,297	622	34	5
Toronto/Buttonville Municipal							
Domestic	7,135	206	3,579	83	3,155	112	0
Transborder	194	26	31	4	133	0	0
Other international	0	0	0	0	0	0	0
Total	7,329	232	3,610	87	3,288	112	0

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/Lester B. Pearson International							
Domestic	16,003	15,184	381	16	394	13	15
Transborder	15,680	14,691	167	12	809	0	1
Other international	4,886	4,815	33	2	34	0	2
Total	36,569	34,690	581	30	1,237	13	18
Vancouver Harbour							
Domestic	4,689	4,269	369	0	45	2	4
Transborder	4	4	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	4,693	4,273	369	0	45	2	4
Vancouver International							
Domestic	19,821	17,222	1,678	75	564	264	18
Transborder	4,960	4,608	28	16	301	0	7
Other international	1,587	1,573	2	1	5	1	5
Total	26,368	23,403	1,708	92	870	265	30
Victoria International							
Domestic	6,949	2,785	2,560	168	1,207	39	190
Transborder	645	382	24	3	219	0	17
Other international	0	0	0	0	0	0	0
Total	7,594	3,167	2,584	171	1,426	39	207
Whitehorse International							
Domestic	2,351	1,073	719	44	460	45	10
Transborder	124	2	5	2	111	0	4
Other international	8	4	0	0	4	0	0
Total	2,483	1,079	724	46	575	45	14
Windsor							
Domestic	1,494	597	463	28	389	14	3
Transborder	100	20	29	0	50	0	1
Other international	5	0	2	1	2	0	0
Total	1,599	617	494	29	441	14	4
Winnipeg/James Armstrong Richardson International							
Domestic	9,382	7,994	382	50	372	352	232
Transborder	1,137	981	14	12	116	3	11
Other international	11	7	2	0	2	0	0
Total	10,530	8,982	398	62	490	355	243
Winnipeg/St. Andrews							
Domestic	3,097	710	1,421	599	360	0	7
Transborder	10	0	1	0	9	0	0
Other international	0	0	0	0	0	0	0
Total	3,107	710	1,422	599	369	0	7
Yellowknife							
Domestic	4,819	3,677	799	7	131	120	85
Transborder	4	2	0	0	1	0	1
Other international	3	2	0	0	0	0	1
Total	4,826	3,681	799	7	132	120	87
Total of NAV CANADA towers (42)							
Domestic	234,407	134,156	38,952	24,566	29,094	4,730	2,909
Transborder	42,407	36,905	682	206	4,385	39	190
Other international	10,232	9,683	89	42	267	7	144
Total	287,046	180,744	39,723	24,814	33,746	4,776	3,243

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	935	106	236	29	387	17	160
Transborder	18	0	0	1	17	0	0
Other international	45	0	1	4	38	2	0
Total	998	106	237	34	442	19	160
Campbell River							
Domestic	1,475	629	211	210	400	16	9
Transborder	60	6	1	0	53	0	0
Other international	0	0	0	0	0	0	0
Total	1,535	635	212	210	453	16	9
Castlegar							
Domestic	418	247	97	24	50	0	0
Transborder	8	0	0	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	426	247	97	24	58	0	0
Charlottetown							
Domestic	1,072	751	22	18	246	30	5
Transborder	25	6	0	0	19	0	0
Other international	2	0	0	0	2	0	0
Total	1,099	757	22	18	267	30	5
Churchill							
Domestic	677	571	34	8	44	12	8
Transborder	1	0	0	0	1	0	0
Other international	1	0	0	0	1	0	0
Total	679	571	34	8	46	12	8
Cranbrook							
Domestic	797	568	46	13	159	6	5
Transborder	18	0	0	1	16	0	1
Other international	0	0	0	0	0	0	0
Total	815	568	46	14	175	6	6
Deer Lake							
Domestic	1,630	1,314	111	14	49	90	52
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,631	1,314	111	14	50	90	52
Fort Nelson							
Domestic	2,490	504	1,665	12	266	4	39
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	2,490	504	1,665	12	266	4	39
Fort St. John							
Domestic	1,935	799	674	42	371	15	34
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,936	800	674	42	371	15	34
Grande Prairie							
Domestic	2,741	1,128	878	144	569	20	2
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	2,745	1,128	878	144	573	20	2
High Level							
Domestic	1,260	389	761	3	96	11	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,260	389	761	3	96	11	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							
Îles-de-la-Madeleine							
Domestic	502	315	37	0	109	41	0
Transborder	3	0	1	0	2	0	0
Other international	4	4	0	0	0	0	0
Total	509	319	38	0	111	41	0
Inuvik/Mike Zubko							
Domestic	1,704	1,121	488	0	14	59	22
Transborder	9	5	2	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,713	1,126	490	0	16	59	22
Iqaluit							
Domestic	1,484	1,205	126	58	33	29	33
Transborder	14	3	0	3	8	0	0
Other international	63	23	5	10	25	0	0
Total	1,561	1,231	131	71	66	29	33
Kamloops							
Domestic	2,088	861	637	159	378	41	12
Transborder	5	0	2	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	2,093	861	639	159	381	41	12
Kenora							
Domestic	1,125	415	302	140	153	32	83
Transborder	134	15	2	1	116	0	0
Other international	0	0	0	0	0	0	0
Total	1,259	430	304	141	269	32	83
Kingston							
Domestic	1,746	437	405	317	527	17	43
Transborder	41	8	6	0	26	0	1
Other international	1	0	0	0	1	0	0
Total	1,788	445	411	317	554	17	44
Kuujuuaq							
Domestic	1,448	968	346	40	45	47	2
Transborder	1	1	0	0	0	0	0
Other international	4	1	0	0	3	0	0
Total	1,453	970	346	40	48	47	2
La Grande Rivière							
Domestic	819	537	188	12	47	17	18
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	820	537	188	12	48	17	18
La Ronge							
Domestic	1,655	1,119	68	25	81	362	0
Transborder	11	0	0	0	6	5	0
Other international	0	0	0	0	0	0	0
Total	1,666	1,119	68	25	87	367	0
Lethbridge							
Domestic	1,662	460	44	794	332	14	18
Transborder	96	1	2	1	91	1	0
Other international	0	0	0	0	0	0	0
Total	1,758	461	46	795	423	15	18
Lloydminster							
Domestic	1,120	234	406	11	446	15	8
Transborder	3	0	1	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,123	234	407	11	448	15	8

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						
Medicine Hat								
Domestic	1,291	519	279	167	296	19	11	
Transborder	8	2	0	0	5	1	0	
Other international	0	0	0	0	0	0	0	
Total	1,299	521	279	167	301	20	11	
Mont-Joli								
Domestic	779	469	177	38	66	22	7	
Transborder	2	0	0	0	2	0	0	
Other international	0	0	0	0	0	0	0	
Total	781	469	177	38	68	22	7	
Montréal/Mirabel International								
Domestic	881	559	43	14	231	4	30	
Transborder	242	208	3	0	31	0	0	
Other international	24	21	0	2	0	0	1	
Total	1,147	788	46	16	262	4	31	
Nanaimo								
Domestic	1,773	467	528	32	724	22	0	
Transborder	45	3	1	1	40	0	0	
Other international	2	0	0	0	2	0	0	
Total	1,820	470	529	33	766	22	0	
Norman Wells								
Domestic	1,048	692	287	4	25	33	7	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,048	692	287	4	25	33	7	
North Bay								
Domestic	2,119	674	572	183	558	38	94	
Transborder	39	13	2	0	24	0	0	
Other international	0	0	0	0	0	0	0	
Total	2,158	687	574	183	582	38	94	
Ottawa/Gatineau								
Domestic	1,700	293	506	159	724	13	5	
Transborder	14	0	0	0	14	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,714	293	506	159	738	13	5	
Peace River								
Domestic	852	380	366	6	84	14	2	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	852	380	366	6	84	14	2	
Penticton								
Domestic	1,142	314	407	25	299	12	85	
Transborder	27	0	1	0	26	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,169	314	408	25	325	12	85	
Port Hardy								
Domestic	867	645	106	2	59	41	14	
Transborder	34	2	0	0	31	0	1	
Other international	0	0	0	0	0	0	0	
Total	901	647	106	2	90	41	15	
Prince Albert								
Domestic	1,499	1,270	30	6	74	115	4	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,499	1,270	30	6	74	115	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							
Prince Rupert							
Domestic	248	199	8	6	23	10	2
Transborder	10	1	0	0	8	0	1
Other international	0	0	0	0	0	0	0
Total	258	200	8	6	31	10	3
Rankin Inlet							
Domestic	1,707	1,097	579	0	4	17	10
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,707	1,097	579	0	4	17	10
Red Deer Regional							
Domestic	2,113	264	1,046	147	597	25	34
Transborder	17	4	2	0	11	0	0
Other international	0	0	0	0	0	0	0
Total	2,130	268	1,048	147	608	25	34
Rouyn-Noranda							
Domestic	1,242	748	204	89	178	22	1
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,242	748	204	89	178	22	1
Saint John							
Domestic	1,119	723	53	40	282	18	3
Transborder	74	1	0	0	71	0	2
Other international	0	0	0	0	0	0	0
Total	1,193	724	53	40	353	18	5
Sept-Îles							
Domestic	3,173	1,438	1,223	46	257	205	4
Transborder	47	16	0	0	31	0	0
Other international	0	0	0	0	0	0	0
Total	3,220	1,454	1,223	46	288	205	4
Sioux Lookout							
Domestic	2,494	1,992	141	244	71	26	20
Transborder	28	3	1	1	23	0	0
Other international	0	0	0	0	0	0	0
Total	2,522	1,995	142	245	94	26	20
Smithers							
Domestic	795	525	100	10	88	20	52
Transborder	6	0	0	1	5	0	0
Other international	0	0	0	0	0	0	0
Total	801	525	100	11	93	20	52
St. Catharines							
Domestic	1,929	2	1,206	46	647	22	6
Transborder	63	4	9	0	50	0	0
Other international	1	0	0	0	1	0	0
Total	1,993	6	1,215	46	698	22	6
Sudbury							
Domestic	3,335	1,659	511	454	474	227	10
Transborder	25	9	1	2	13	0	0
Other international	0	0	0	0	0	0	0
Total	3,360	1,668	512	456	487	227	10
Terrace							
Domestic	1,160	701	344	7	65	37	6
Transborder	4	0	1	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	1,164	701	345	7	68	37	6

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							
Thompson							
Domestic	3,010	2,328	408	9	54	209	2
Transborder	10	1	0	0	9	0	0
Other international	0	0	0	0	0	0	0
Total	3,020	2,329	408	9	63	209	2
Timmins							
Domestic	2,771	2,026	147	89	318	188	3
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	2,772	2,027	147	89	318	188	3
Val-d'Or							
Domestic	1,615	839	352	41	324	58	1
Transborder	4	0	0	0	2	2	0
Other international	0	0	0	0	0	0	0
Total	1,619	839	352	41	326	60	1
Victoria Harbour							
Domestic	2,786	2,621	24	5	14	113	9
Transborder	314	314	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	3,100	2,935	24	5	14	113	9
Wabush							
Domestic	2,446	1,627	553	28	212	26	0
Transborder	2	1	1	0	0	0	0
Other international	9	0	9	0	0	0	0
Total	2,457	1,628	563	28	212	26	0
Whitecourt							
Domestic	747	32	487	52	145	6	25
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	750	32	487	52	148	6	25
Williams Lake							
Domestic	837	417	173	4	225	10	8
Transborder	5	0	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	842	417	173	4	230	10	8
Total of all flight service stations (51)							
Domestic	78,261	40,198	18,642	4,026	11,920	2,467	1,008
Transborder	1,478	629	39	12	783	9	6
Other international	156	49	15	16	73	2	1
Total	79,895	40,876	18,696	4,054	12,776	2,478	1,015

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	8,694	15	11	92	20	639
Boundary Bay	7	14,063	8	11	113	27	835
Calgary International	3	20,635	25	18	62	28	845
Calgary/Springbank	13	11,176	30	9	97	12	730
Chicoutimi/St-Honoré	35	4,487	7	10	69	1	415
Edmonton City Centre	32	5,059	20	13	32	21	264
Edmonton International	11	11,572	27	13	44	14	505
Edmonton/Villeneuve	29	5,524	8	11	77	14	337
Fort McMurray	20	8,524	9	10	46	26	408
Fredericton International	25	6,750	7	22	53	1	482
Gander International	41	2,615	22	9	38	10	154
Halifax/Robert L. Stanfield International	24	6,970	7	17	24	12	275
Hamilton	36	3,987	10	13	30	13	228
Kelowna	26	6,690	3	14	75	4	369
Kitchener/Waterloo	15	10,046	14	11	83	13	632
Langley	30	5,432	15	17	69	15	319
London	23	7,216	6	10	56	14	365
Moncton/Greater Moncton International	34	4,509	7	14	43	7	312
Montréal/Pierre Elliott Trudeau International	4	20,029	10	17	61	14	757
Montréal/St-Hubert	6	14,313	5	15	111	15	946
Oshawa	27	5,985	10	9	76	5	434
Ottawa/Macdonald-Cartier International	9	12,102	22	14	44	14	570
Pitt Meadows	16	8,981	24	13	88	15	657
Prince George	40	3,211	4	9	71	25	202
Québec/Jean Lesage International	10	11,701	28	16	71	1	624
Regina International	31	5,153	7	11	48	8	299
Saskatoon/John G. Diefenbaker International	22	7,357	21	16	72	21	482
Sault Ste. Marie	18	8,647	28	11	79	25	526
St. John's International	38	3,853	12	18	25	13	181
St-Jean	37	3,965	20	16	66	20	370
Thunder Bay	19	8,639	12	15	71	12	440
Toronto/Billy Bishop Toronto City	14	11,016	16	14	76	16	605
Toronto/Buttonville Municipal	5	17,465	22	11	125	22	1,168
Toronto/Lester B. Pearson International	1	36,681	7	18	108	28	1,348
Vancouver Harbour	33	4,693	15	17	29	6	212
Vancouver International	2	26,490	15	9	87	15	1,028
Victoria International	8	12,330	20	15	75	20	634
Whitehorse International	39	3,357	6	12	51	1	211
Windsor	42	2,321	30	11	35	30	187
Winnipeg/James Armstrong Richardson International	12	11,430	26	15	42	5	457
Winnipeg/St. Andrews	21	7,701	14	10	78	22	466
Yellowknife	28	5,762	5	11	38	5	276

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	23	1,980	21	19	63	2	218
Campbell River	18	2,551	3	13	41	13	188
Castlegar	50	500	12	17	16	20	46
Charlottetown	39	1,199	9	12	46	9	146
Churchill	49	703	27	10	14	13	47
Cranbrook	43	923	7	13	30	7	91
Deer Lake	29	1,701	26	12	27	26	84
Fort Nelson	15	2,703	9	13	38	12	217
Fort St. John	20	2,354	25	16	37	25	135
Grande Prairie	5	4,291	20	17	58	14	260
High Level	37	1,354	6	12	31	6	118
Îles-de-la-Madeleine	46	833	25	20	24	25	72
Inuvik/Mike Zubko	26	1,737	17	10	19	19	114
Iqaluit	30	1,597	27	14	13	20	79
Kamloops	6	3,909	15	15	41	15	266
Kenora	31	1,590	23	14	42	23	105
Kingston	11	3,027	20	10	43	13	202
Kuujuuaq	33	1,523	1	14	14	14	84
La Grande Rivière	47	824	18	11	10	6	43
La Ronge	25	1,913	20	11	20	13	107
Lethbridge	19	2,506	25	15	48	30	165
Lloydminster	22	2,003	21	18	42	21	159
Medicine Hat	27	1,723	12	19	22	12	143
Mont-Joli	48	803	7	16	12	7	57
Montréal/Mirabel International	14	2,773	16	11	32	14	152
Nanaimo	16	2,614	2	13	33	2	131
Norman Wells	35	1,492	7	14	27	5	106
North Bay	2	4,684	4	11	56	20	277
Ottawa/Gatineau	3	4,626	14	11	63	14	320
Peace River	45	880	18	11	10	21	47
Penticton	24	1,937	4	17	44	5	136
Port Hardy	42	933	16	11	10	14	50
Prince Albert	32	1,530	20	10	22	20	93
Prince Rupert	51	274	21	13	7	14	25
Rankin Inlet	28	1,707	19	15	17	12	93
Red Deer Regional	1	6,578	28	8	116	20	558
Rouyn-Noranda	34	1,496	20	15	29	9	94
Saint John	36	1,445	16	11	18	1	81
Sept-Îles	7	3,452	5	16	54	11	170
Sioux Lookout	17	2,570	13	8	17	13	119
Smithers	41	935	14	19	47	14	84
St. Catharines	8	3,434	15	8	52	14	240
Sudbury	4	4,366	28	14	43	28	314
Terrace	38	1,220	26	14	16	21	74
Thompson	10	3,110	6	10	40	29	157
Timmins	12	2,842	27	10	33	27	185
Val-d'Or	21	2,127	6	11	32	6	198
Victoria Harbour	9	3,112	22	9	18	6	144
Wabush	13	2,801	10	19	27	21	151
Whitecourt	40	1,112	7	8	30	7	112
Williams Lake	44	914	9	10	25	9	108

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	29	3,376	9	10	38	20	221
Boundary Bay	15	5,839	27	15	58	27	447
Calgary International	3	20,529	25	18	62	28	841
Calgary/Springbank	22	4,418	28	10	39	28	304
Chicoutimi/St-Honoré	41	1,571	1	10	17	1	127
Edmonton City Centre	20	4,689	21	15	26	21	244
Edmonton International	6	11,216	14	7	42	7	471
Edmonton/Villeneuve	42	1,498	2	10	28	3	180
Fort McMurray	11	7,520	24	11	34	20	354
Fredericton International	28	3,398	14	12	21	1	212
Gander International	39	1,981	10	12	13	18	100
Halifax/Robert L. Stanfield International	14	6,784	4	20	22	21	264
Hamilton	34	2,875	16	16	19	14	143
Kelowna	23	4,196	10	12	37	10	256
Kitchener/Waterloo	21	4,636	14	10	29	28	255
Langley	36	2,442	3	14	38	3	221
London	24	4,094	10	13	26	13	217
Moncton/Greater Moncton International	33	2,949	8	12	19	8	176
Montréal/Pierre Elliott Trudeau International	4	19,967	10	17	61	14	757
Montréal/St-Hubert	13	7,145	5	15	43	14	430
Oshawa	27	3,575	10	9	64	10	310
Ottawa/Macdonald-Cartier International	5	11,310	15	14	41	14	500
Pitt Meadows	31	3,169	15	12	32	15	285
Prince George	37	2,083	25	10	18	22	108
Québec/Jean Lesage International	8	8,749	1	17	36	1	434
Regina International	25	3,776	3	12	18	21	199
Saskatoon/John G. Diefenbaker International	17	5,393	21	10	30	21	300
Sault Ste. Marie	30	3,195	28	11	23	15	185
St. John's International	26	3,607	30	13	18	18	157
St-Jean	38	2,069	20	9	51	20	304
Thunder Bay	16	5,779	7	15	28	7	271
Toronto/Billy Bishop Toronto City	9	8,120	15	18	36	15	371
Toronto/Buttonville Municipal	12	7,329	10	13	45	13	421
Toronto/Lester B. Pearson International	1	36,569	7	18	108	28	1,342
Vancouver Harbour	19	4,693	15	17	29	6	212
Vancouver International	2	26,368	15	12	84	29	1,005
Victoria International	10	7,594	21	12	40	20	358
Whitehorse International	35	2,483	26	12	16	26	107
Windsor	40	1,599	30	11	35	30	169
Winnipeg/James Armstrong Richardson International	7	10,530	7	15	35	29	435
Winnipeg/St. Andrews	32	3,107	21	13	25	22	208
Yellowknife	18	4,826	20	13	24	20	220

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	39	998	2	11	26	2	152
Campbell River	25	1,535	6	16	14	13	82
Castlegar	50	426	10	14	9	20	38
Charlottetown	37	1,099	9	12	46	9	134
Churchill	48	679	27	10	8	13	43
Cranbrook	44	815	11	11	11	20	47
Deer Lake	22	1,631	14	16	14	13	75
Fort Nelson	8	2,490	12	10	24	12	201
Fort St. John	14	1,936	21	15	17	21	109
Grande Prairie	6	2,745	8	15	17	20	145
High Level	29	1,260	22	15	13	22	78
Îles-de-la-Madeleine	49	509	2	15	5	12	26
Inuvik/Mike Zubko	19	1,713	17	10	19	19	114
Iqaluit	24	1,561	27	14	13	20	79
Kamloops	12	2,093	3	12	21	15	134
Kenora	30	1,259	18	10	17	8	58
Kingston	16	1,788	15	15	17	15	104
Kuujuuaq	27	1,453	1	14	14	4	73
La Grande Rivière	43	820	18	11	10	4	42
La Ronge	21	1,666	2	16	14	1	89
Lethbridge	17	1,758	25	10	18	28	122
Lloydminster	36	1,123	17	10	19	17	124
Medicine Hat	28	1,299	16	8	16	21	90
Mont-Joli	46	781	15	18	10	7	43
Montréal/Mirabel International	35	1,147	22	7	8	5	58
Nanaimo	15	1,820	2	12	20	15	102
Norman Wells	38	1,048	18	12	11	20	63
North Bay	10	2,158	15	15	19	7	109
Ottawa/Gatineau	18	1,714	10	11	24	10	180
Peace River	41	852	18	11	8	21	47
Penticton	33	1,169	15	15	25	15	92
Port Hardy	40	901	19	14	10	14	50
Prince Albert	26	1,499	1	8	14	22	81
Prince Rupert	51	258	14	13	6	14	25
Rankin Inlet	20	1,707	19	15	17	12	93
Red Deer Regional	11	2,130	28	10	26	28	150
Rouyn-Noranda	31	1,242	5	7	10	5	68
Saint John	32	1,193	1	16	8	21	56
Sept-Îles	2	3,220	5	16	22	15	157
Sioux Lookout	7	2,522	13	8	17	4	118
Smithers	45	801	2	15	16	2	66
St. Catharines	13	1,993	3	10	31	10	142
Sudbury	1	3,360	28	9	21	28	174
Terrace	34	1,164	12	15	10	20	56
Thompson	4	3,020	15	16	16	29	143
Timmins	5	2,772	16	11	30	16	149
Val-d'Or	23	1,619	9	15	16	9	91
Victoria Harbour	3	3,100	22	9	18	6	144
Wabush	9	2,457	19	10	19	7	125
Whitecourt	47	750	7	11	11	7	62
Williams Lake	42	842	9	10	25	9	108

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	8	5,318	15	11	70	20	418
Boundary Bay	2	8,224	8	11	100	29	404
Calgary International	40	106	6	18	4	25	14
Calgary/Springbank	4	6,758	14	13	78	4	472
Chicoutimi/St-Honoré	16	2,916	7	10	56	7	302
Edmonton City Centre	34	370	3	14	16	3	34
Edmonton International	35	356	27	13	22	27	40
Edmonton/Villeneuve	11	4,026	8	11	64	14	272
Fort McMurray	27	1,004	9	10	30	5	84
Fredericton International	12	3,352	16	22	46	1	270
Gander International	33	634	22	9	30	10	62
Halifax/Robert L. Stanfield International	37	186	16	13	12	12	26
Hamilton	26	1,112	5	11	24	13	96
Kelowna	19	2,494	3	14	58	4	224
Kitchener/Waterloo	7	5,410	30	22	62	13	398
Langley	14	2,990	15	17	50	4	202
London	13	3,122	6	10	40	6	194
Moncton/Greater Moncton International	23	1,560	2	22	34	7	166
Montréal/Pierre Elliott Trudeau International	41	62	18	9	4	8	6
Montréal/St-Hubert	3	7,168	6	21	70	15	552
Oshawa	20	2,410	5	11	50	5	244
Ottawa/Macdonald-Cartier International	31	792	14	22	30	14	70
Pitt Meadows	5	5,812	21	17	66	27	410
Prince George	25	1,128	4	9	60	25	100
Québec/Jean Lesage International	15	2,952	5	11	46	5	272
Regina International	24	1,377	7	11	38	8	128
Saskatoon/John G. Diefenbaker International	21	1,964	21	16	48	4	182
Sault Ste. Marie	6	5,452	7	14	64	13	362
St. John's International	36	246	12	18	18	13	34
St-Jean	22	1,896	9	10	38	9	182
Thunder Bay	18	2,860	14	11	56	12	224
Toronto/Billy Bishop Toronto City	17	2,896	16	19	52	16	326
Toronto/Buttonville Municipal	1	10,136	2	9	100	22	754
Toronto/Lester B. Pearson International	39	112	8	11	14	8	20
Vancouver Harbour	0	0	0	0	0	0	0
Vancouver International	38	122	15	9	30	14	46
Victoria International	9	4,736	12	22	62	12	318
Whitehorse International	30	874	6	12	40	1	106
Windsor	32	722	4	11	26	4	100
Winnipeg/James Armstrong Richardson International	29	900	5	16	20	14	54
Winnipeg/St. Andrews	10	4,594	14	10	68	21	288
Yellowknife	28	936	3	9	22	3	104

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	11	982	21	19	50	21	118
Campbell River	9	1,016	3	13	38	18	118
Castlegar	34	74	12	17	16	12	16
Charlottetown	31	100	13	22	10	13	16
Churchill	46	24	6	22	8	6	8
Cranbrook	30	108	7	13	28	7	60
Deer Lake	37	70	26	12	24	17	34
Fort Nelson	28	213	9	13	28	9	48
Fort St. John	19	418	25	14	30	25	72
Grande Prairie	6	1,546	20	17	54	14	134
High Level	32	94	6	12	30	6	64
Îles-de-la-Madeleine	23	324	25	20	22	25	54
Inuvik/Mike Zubko	45	24	8	17	6	8	6
Iqaluit	41	36	18	14	4	1	6
Kamloops	4	1,816	26	15	34	15	132
Kenora	22	331	23	14	40	23	82
Kingston	8	1,239	20	10	34	13	112
Kuujuuaq	38	70	8	16	4	14	12
La Grande Rivière	50	4	3	20	2	3	2
La Ronge	26	247	30	18	12	6	34
Lethbridge	15	748	25	15	40	8	72
Lloydminster	12	880	21	18	32	21	94
Medicine Hat	18	424	4	9	20	12	54
Mont-Joli	47	22	7	16	10	7	14
Montréal/Mirabel International	5	1,626	16	11	32	14	106
Nanaimo	13	794	7	17	26	7	74
Norman Wells	17	444	7	14	20	5	66
North Bay	3	2,526	4	11	50	20	194
Ottawa/Gatineau	2	2,912	14	11	58	14	246
Peace River	44	28	18	12	6	18	8
Penticton	14	768	4	17	40	5	98
Port Hardy	42	32	16	11	8	16	12
Prince Albert	43	31	20	10	18	20	24
Prince Rupert	48	16	21	13	6	27	10
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	1	4,448	28	8	106	20	424
Rouyn-Noranda	24	254	20	15	26	9	44
Saint John	25	252	16	11	14	16	28
Sept-Îles	27	232	5	16	32	5	44
Sioux Lookout	40	48	13	15	12	3	12
Smithers	29	134	14	19	44	30	46
St. Catharines	7	1,441	15	8	48	14	166
Sudbury	10	1,006	18	14	30	28	140
Terrace	39	56	26	14	14	26	20
Thompson	33	90	6	10	32	6	56
Timmins	36	70	27	9	22	27	42
Val-d'Or	16	508	6	11	28	6	122
Victoria Harbour	49	12	5	14	2	5	2
Wabush	21	344	10	19	22	21	48
Whitecourt	20	362	20	12	28	27	58
Williams Lake	35	72	27	20	16	27	24

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	8	5,318	15	11	70	20	418
Boundary Bay	2	8,224	8	11	100	29	404
Calgary International	40	106	6	18	4	25	14
Calgary/Springbank	4	6,758	14	13	78	4	472
Chicoutimi/St-Honoré	16	2,916	7	10	56	7	302
Edmonton City Centre	34	366	3	14	16	3	34
Edmonton International	35	346	27	13	22	27	40
Edmonton/Villeneuve	11	4,026	8	11	64	14	272
Fort McMurray	27	998	9	10	30	5	84
Fredericton International	12	3,330	16	22	46	1	270
Gander International	33	634	22	9	30	10	62
Halifax/Robert L. Stanfield International	37	176	16	13	12	12	26
Hamilton	26	1,088	5	11	24	13	96
Kelowna	19	2,492	3	14	58	4	224
Kitchener/Waterloo	7	5,406	30	22	62	13	398
Langley	14	2,990	15	17	50	4	202
London	13	3,118	6	10	40	6	194
Moncton/Greater Moncton International	23	1,502	2	22	34	7	166
Montréal/Pierre Elliott Trudeau International	41	62	18	9	4	8	6
Montréal/St-Hubert	3	7,152	6	21	70	15	552
Oshawa	20	2,410	5	11	50	5	244
Ottawa/Macdonald-Cartier International	31	782	14	22	30	14	70
Pitt Meadows	5	5,806	21	17	66	27	410
Prince George	25	1,128	4	9	60	25	100
Québec/Jean Lesage International	15	2,948	5	11	46	5	272
Regina International	24	1,155	7	11	38	8	114
Saskatoon/John G. Diefenbaker International	22	1,858	21	16	46	21	180
Sault Ste. Marie	6	5,448	7	14	64	13	362
St. John's International	36	246	12	18	18	13	34
St-Jean	21	1,886	9	10	38	9	182
Thunder Bay	18	2,828	14	11	56	12	224
Toronto/Billy Bishop Toronto City	17	2,892	16	19	52	16	326
Toronto/Buttonville Municipal	1	10,136	2	9	100	22	754
Toronto/Lester B. Pearson International	39	112	8	11	14	8	20
Vancouver Harbour	0	0	0	0	0	0	0
Vancouver International	38	122	15	9	30	14	46
Victoria International	9	4,728	12	22	62	12	318
Whitehorse International	30	870	6	12	40	1	106
Windsor	32	716	4	11	26	4	100
Winnipeg/James Armstrong Richardson International	29	898	5	16	20	14	54
Winnipeg/St. Andrews	10	4,594	14	10	68	21	288
Yellowknife	28	936	3	9	22	3	104

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	11	976	21	19	50	21	114
Campbell River	9	1,008	3	13	38	18	118
Castlegar	33	74	12	17	16	12	16
Charlottetown	32	88	13	22	10	13	16
Churchill	44	24	6	22	8	6	8
Cranbrook	30	108	7	13	28	7	60
Deer Lake	38	58	17	14	16	17	34
Fort Nelson	28	213	9	13	28	9	48
Fort St. John	19	418	25	14	30	25	72
Grande Prairie	6	1,546	20	17	54	14	134
High Level	31	94	6	12	30	6	64
Îles-de-la-Madeleine	22	324	25	20	22	25	54
Inuvik/Mike Zubko	45	22	8	17	6	8	6
Iqaluit	41	36	18	14	4	1	6
Kamloops	4	1,816	26	15	34	15	132
Kenora	23	319	23	14	40	23	82
Kingston	8	1,227	20	10	34	13	112
Kuujuuaq	35	70	8	16	4	14	12
La Grande Rivière	50	4	3	20	2	3	2
La Ronge	25	247	30	18	12	6	34
Lethbridge	15	744	25	15	40	8	72
Lloydminster	12	880	21	18	32	21	94
Medicine Hat	18	422	4	9	20	12	54
Mont-Joli	46	22	7	16	10	7	14
Montréal/Mirabel International	5	1,600	16	11	32	14	106
Nanaimo	13	794	7	17	26	7	74
Norman Wells	17	444	7	14	20	5	66
North Bay	3	2,520	4	11	50	20	194
Ottawa/Gatineau	2	2,912	14	11	58	14	246
Peace River	43	28	18	12	6	18	8
Penticton	14	768	4	17	40	5	98
Port Hardy	47	20	16	11	8	16	12
Prince Albert	42	31	20	10	18	20	24
Prince Rupert	48	16	21	13	6	27	10
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	1	4,448	28	8	106	20	424
Rouyn-Noranda	24	254	20	15	26	9	44
Saint John	26	244	16	11	14	16	28
Sept-Îles	27	232	5	16	32	5	44
Sioux Lookout	40	48	13	15	12	3	12
Smithers	29	134	14	19	44	30	46
St. Catharines	7	1,441	15	8	48	14	166
Sudbury	10	1,006	18	14	30	28	140
Terrace	39	56	26	14	14	26	20
Thompson	37	62	6	10	16	6	28
Timmins	36	70	27	9	22	27	42
Val-d'Or	16	508	6	11	28	6	122
Victoria Harbour	49	12	5	14	2	5	2
Wabush	21	344	10	19	22	21	48
Whitecourt	20	362	20	12	28	27	58
Williams Lake	34	72	27	20	16	27	24

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	0	0	0	0	0	0	0
Boundary Bay	0	0	0	0	0	0	0
Calgary International	0	0	0	0	0	0	0
Calgary/Springbank	0	0	0	0	0	0	0
Chicoutimi/St-Honoré	0	0	0	0	0	0	0
Edmonton City Centre	16	4	8	19	4	8	4
Edmonton International	9	10	2	20	2	8	4
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	13	6	1	19	2	1	2
Fredericton International	6	22	14	8	14	14	16
Gander International	0	0	0	0	0	0	0
Halifax/Robert L. Stanfield International	8	10	22	15	4	22	4
Hamilton	5	24	14	14	8	14	12
Kelowna	23	2	18	10	2	18	2
Kitchener/Waterloo	22	4	20	11	4	20	4
Langley	0	0	0	0	0	0	0
London	17	4	20	13	2	20	2
Moncton/Greater Moncton International	3	58	19	10	24	19	46
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	7	16	30	13	10	30	10
Oshawa	0	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	10	10	6	11	2	19	4
Pitt Meadows	15	6	17	15	6	17	6
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	19	4	6	13	2	6	2
Regina International	1	222	6	21	24	6	46
Saskatoon/John G. Diefenbaker International	2	106	4	22	44	4	56
Sault Ste. Marie	18	4	10	17	2	10	2
St. John's International	0	0	0	0	0	0	0
St-Jean	11	10	30	13	8	30	8
Thunder Bay	4	32	23	12	18	23	18
Toronto/Billy Bishop Toronto City	21	4	6	10	4	6	4
Toronto/Buttonville Municipal	0	0	0	0	0	0	0
Toronto/Lester B. Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	0	0	0	0	0	0	0
Vancouver International	0	0	0	0	0	0	0
Victoria International	12	8	1	11	4	1	4
Whitehorse International	20	4	13	13	4	13	4
Windsor	14	6	24	17	6	24	6
Winnipeg/James Armstrong Richardson International	24	2	21	14	2	21	2
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	0	0	0	0	0	0	0

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	10	6	21	18	4	21	4
Campbell River	8	8	13	14	2	13	2
Castlegar	0	0	0	0	0	0	0
Charlottetown	3	12	5	15	2	5	2
Churchill	0	0	0	0	0	0	0
Cranbrook	0	0	0	0	0	0	0
Deer Lake	4	12	26	12	12	26	12
Fort Nelson	0	0	0	0	0	0	0
Fort St. John	0	0	0	0	0	0	0
Grande Prairie	0	0	0	0	0	0	0
High Level	0	0	0	0	0	0	0
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	13	2	30	12	2	30	2
Iqaluit	0	0	0	0	0	0	0
Kamloops	0	0	0	0	0	0	0
Kenora	5	12	28	13	4	28	6
Kingston	6	12	14	19	10	14	10
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	12	4	23	12	4	23	4
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	14	2	25	3	2	25	2
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	2	26	6	11	6	6	8
Nanaimo	0	0	0	0	0	0	0
Norman Wells	0	0	0	0	0	0	0
North Bay	11	6	7	8	4	7	6
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	7	12	12	11	2	12	2
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	9	8	11	11	4	11	4
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	1	28	6	10	16	6	28
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, maximum 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 Aviation Statistics Centre 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

In June 2012, Porter Airlines commenced summer service to Mont Tremblant, with four weekly flights between Toronto/Billy Bishop Toronto City Airport and Mont Tremblant International Airport.

Starting in May 2012, WestJet launched a new non-stop seasonal service between Toronto/Lester B. Pearson International and Aruba, Netherlands Antilles. The airline also introduced daily non-stop flights to Chicago from both Calgary International and Vancouver International as well as from Vancouver International to Whitehorse International.

Beginning in April 2012, Porter Airlines increased weekday roundtrip flights from six to seven between Toronto/Billy Bishop Toronto City Airport and Boston's Logan International Airport.

In April 2012, Air Canada cancelled approximately 75 flights at Toronto/Lester B. Pearson International Airport due to a one day work action by the airline's pilots.

In March 2012, Air Canada experienced some delays and cancellations of flights departing Toronto/Lester B. Pearson International and Montreal/Pierre Elliot Trudeau International. This was due to a one day work action by Air Canada ground handling employees.

In January 2012, Porter Airlines started service from Toronto/Billy Bishop Toronto City Airport to Timmins, Ontario.

Beginning in December 2011, Porter Airlines added a new seasonal service from Toronto/Billy Bishop Toronto City Airport to Burlington, Vermont.

Starting in November 2011, WestJet launched its new twice-weekly seasonal service from Toronto to San Juan, Puerto Rico, two new flights flying out of London to Las Vegas and Cancun, Mexico. It has also increased service between Edmonton and Calgary from five to seven flights daily, and increased service between Vancouver and Toronto for the winter from five to six flights daily.

Starting in October 2011, Porter Airlines increased weekday roundtrip flights between Toronto/Billy Bishop Toronto City and Boston/Logan International Airport.

Beginning in September 2011, Porter Airlines has added an additional daily roundtrip flight between Toronto/Billy Bishop Toronto City Airport and Sudbury as well as Myrtle Beach, S.C.

WestJet launched twice-weekly service from both Hamilton, Ontario and Prince George, British Columbia to Las Vegas, Nevada

Bearskin Airlines has initiated daily non-stop flights between Kitchener/Waterloo and Montreal/Pierre Elliott Trudeau International Airport in May 2011.

In May 2011 WestJet has begun the reintroduction of flights from Hamilton, the addition of non-stop service from Vancouver and Calgary to Orange County, California and between Toronto and Montreal as well as between Toronto and Ottawa.

Effective in May 2011 Porter Airlines runs daily non-stop round trips from Toronto/Billy Bishop Toronto City Airport to Windsor and Sault Ste. Marie.

Starting May 1, 2011 Air Canada started cutting the following routes: Ottawa to Thunder Bay; Ottawa to Washington/Dulles International; Montreal to Washington/Dulles International; Calgary to London, Ontario; and Calgary to San Francisco.

Starting May 1, 2011 Air Canada began daily service between Toronto/Billy Bishop Toronto City Airport and Montreal/Pierre Elliott Trudeau International.

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: Effective 2010, this includes every Canadian air carrier that, in the calendar year immediately preceding the reporting year, transported at least 2 million revenue passengers or at least 400 thousand tonnes of cargo.

Level II: Effective 2010, this includes every Canadian air carrier that, in the calendar year immediately preceding the reporting year, transported at least 100 thousand, but fewer than 2 million revenue passengers, or at least 50 thousand but less than 400 thousand tonnes of cargo.

Level III: Effective 2010, this includes every Canadian air carrier not classified in reporting level I or II that, in the calendar year immediately preceding the reporting year, realized gross revenues of at least 2 million dollars for the provision of air services for which the air carrier held a licence.

Level IV: Effective 2010, this includes every Canadian air carrier not classified in reporting level I, II or III that, in the calendar year immediately preceding the reporting year, realized gross revenues of less than 2 million dollars for the provision of air services for which the air carrier held a licence.

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.

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.

Maximum 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.

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.