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



May 2012



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Statistics Canada
Transportation Division

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

May 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 538,272 aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in May 2012 compared with 511,184 movements in May 2011.

Itinerant movements (flights from one airport to another) increased 5.3% (+19,039 movements) in May 2012 from the same month the previous year. These airports reported 378,331 movements compared with 359,292 movements in May 2011.

In May 2012, there were 159,941 local movements (flights that remain in the vicinity of the airport) recorded. This represents an increase of 5.3% (+8,049 movements) compared with 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	Percentage change, May 2011 to May 2012	number	Percentage change, May 2011 to May 2012	number	Percentage change, May 2011 to May 2012
Grand total	422,273	4.5	115,999	8.3	538,272	5.3
Itinerant movements						
Air carriers	225,643	4.0	61,134	6.2	286,777	4.5
Other commercial movements	25,888	2.0	3,679	5.1	29,567	2.4
Private movements	32,849	11.5	13,800	18.8	46,649	13.5
Government civil movements	5,054	-9.8	3,292	15.5	8,346	-1.3
Government military movements	4,981	14.0	2,011	-0.3	6,992	9.5
Itinerant total	294,415	4.5	83,916	8.2	378,331	5.3
Local movements						
Civil local movements	127,205	4.3	31,685	10.4	158,890	5.5
Military local movements	653	37.8	398	-49.7	1,051	-17.0
Local total	127,858	4.5	32,083	8.8	159,941	5.3

Analysis

There were 538,272 aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in May 2012 compared with 511,184 movements in May 2011. Year-over-year increases were reported by 54 airports. Toronto/Lester B. Pearson International, Ontario (36,978 movements) and Vancouver International, British Columbia (25,915 movements) were the most active sites in May 2012.

Itinerant movements (flights from one airport to another) increased 5.3% (+19,039 movements) in May 2012 from the same month the previous year. These airports reported 378,331 movements compared with 359,292 movements in May 2011. Year-over-year variations ranged from an increase of 2,144 movements (+39.5%) at Toronto/Buttonville Municipal, Ontario to a drop of 901 movements (-36.6%) at Brandon Municipal, Manitoba. Fifty-eight airports reported year-over-year increases in the number of itinerant aircraft movements in May 2012.

In May 2012, there were 159,941 local movements (flights that remain in the vicinity of the airport) recorded. This represents an increase of 5.3% (+8,049 movements) compared with the previous year. Toronto/Buttonville Municipal, Ontario (9,978 movements) and Montréal/St-Hubert, Quebec (9,648 movements) recorded the largest number of local movements.

Itinerant movements: domestic, transborder and international

There were 324,853 domestic itinerant movements reported by 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in May 2012, up 5.8% (+17,945 movements) from May 2011. Vancouver International, British Columbia (19,566 movements) and Calgary International, Alberta (16,545 movements) reported the greatest number of domestic itinerant movements. Fifty-eight airports reported year-over-year increases in the number of domestic movements in May 2012.

Eighty-two airports recorded 43,352 transborder itinerant movements (between Canada and the United States) in May 2012, up 2.7% from May 2011. Toronto/Lester B. Pearson International, Ontario (15,739 movements) reported the greatest number of transborder itinerant movements.

In May 2012, forty-four airports reported 10,126 other international itinerant movements, down 0.3% from May 2011. Toronto/Lester B. Pearson International, Ontario, recorded 4,781 other international itinerant movements. This represents 47.2% 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
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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
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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	12	12,548	24	4,188	3	8,360
Boundary Bay	8	13,818	15	5,912	4	7,906
Calgary International	3	20,737	3	20,569	37	168
Calgary/Springbank	11	12,885	19	5,275	5	7,610
Chicoutimi/St-Honoré	18	8,406	35	2,530	8	5,876
Edmonton City Centre	31	5,784	20	5,116	34	668
Edmonton International	13	12,020	6	11,676	36	344
Edmonton/Villeneuve	29	6,268	41	1,956	11	4,312
Fort McMurray	25	7,264	14	6,024	29	1,240
Fredericton International	32	5,662	33	3,040	20	2,622
Gander International	41	3,325	40	2,113	31	1,212
Halifax/Robert L. Stanfield International	22	7,393	13	6,969	35	424
Hamilton	39	3,720	36	2,502	30	1,218
Kelowna	26	7,255	23	4,441	18	2,814
Kitchener/Waterloo	16	10,948	21	4,978	7	5,970
Langley	27	6,661	29	3,439	16	3,222
London	20	7,464	25	4,154	15	3,310
Moncton/Greater Moncton International	34	5,261	31	3,257	23	2,004
Montréal/Pierre Elliott Trudeau International	4	19,983	4	19,891	39	92
Montréal/St-Hubert	6	17,243	11	7,595	2	9,648
Oshawa	30	6,123	30	3,337	19	2,786
Ottawa/Macdonald-Cartier International	7	15,596	5	11,872	14	3,724
Pitt Meadows	17	10,237	26	3,829	6	6,408
Prince George	35	4,900	37	2,452	21	2,448
Québec/Jean Lesage International	9	13,315	8	9,183	13	4,132
Regina International	36	4,777	27	3,701	32	1,076
Saskatoon/John G. Diefenbaker International	19	7,827	16	5,698	22	2,129
Sault Ste. Marie	23	7,309	32	3,061	12	4,248
St. John's International	38	3,757	28	3,633	38	124
St-Jean	37	3,958	38	2,184	26	1,774
Thunder Bay	24	7,297	18	5,298	24	1,999
Toronto/Billy Bishop Toronto City	15	11,356	10	8,206	17	3,150
Toronto/Buttonville Municipal	5	17,553	12	7,575	1	9,978
Toronto/Lester B. Pearson International	1	36,978	1	36,896	40	82
Vancouver Harbour	33	5,477	17	5,475	42	2
Vancouver International	2	25,915	2	25,841	41	74
Victoria International	10	13,000	9	8,344	9	4,656
Whitehorse International	40	3,540	39	2,174	27	1,366
Windsor	42	2,720	42	1,814	33	906
Winnipeg/James Armstrong Richardson International	14	11,978	7	10,652	28	1,326
Winnipeg/St. Andrews	21	7,421	34	2,953	10	4,468
Yellowknife	28	6,594	22	4,612	25	1,982
Total of NAV CANADA towers (42)	.	422,273	.	294,415	.	127,858

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	19	2,485	24	1,562	14	923
Campbell River	16	2,673	20	1,803	15	870
Castlegar	49	693	49	543	31	150
Charlottetown	41	1,099	41	981	33	118
Churchill	46	798	45	790	49	8
Cranbrook	44	940	43	898	39	42
Deer Lake	31	1,626	26	1,476	30	150
Fort Nelson	20	2,470	11	2,336	32	134
Fort St. John	21	2,311	16	1,998	24	313
Grande Prairie	4	4,928	3	3,174	7	1,754
High Level	30	1,713	28	1,383	23	330
Îles-de-la-Madeleine	50	542	50	448	34	94
Inuvik/Mike Zubko	38	1,234	31	1,224	48	10
Iqaluit	33	1,611	23	1,579	45	32
Kamloops	8	3,727	12	2,197	8	1,530
Kenora	27	1,857	29	1,371	19	486
Kingston	13	2,907	21	1,781	9	1,126
Kuujuuaq	40	1,106	37	1,070	42	36
La Grande Rivière	47	774	47	756	46	18
La Ronge	22	2,311	18	1,897	21	414
Lethbridge	18	2,551	25	1,555	12	996
Lloydminster	35	1,487	39	1,017	20	470
Medicine Hat	29	1,764	32	1,190	17	574
Mont-Joli	48	770	46	768	50	2
Montréal/Mirabel International	9	3,414	35	1,104	3	2,310
Nanaimo	7	3,928	13	2,150	6	1,778
Norman Wells	26	2,090	40	982	10	1,108
North Bay	1	6,447	9	2,365	1	4,082
Ottawa/Gatineau	5	4,490	19	1,806	2	2,684
Peace River	39	1,141	38	1,049	35	92
Penticton	23	2,224	30	1,300	13	924
Port Hardy	42	1,038	42	956	36	82
Prince Albert	24	2,122	17	1,911	29	211
Prince Rupert	51	326	51	292	43	34
Rankin Inlet	36	1,439	27	1,439	0	0
Red Deer Regional	6	4,413	10	2,351	4	2,062
Rouyn-Noranda	28	1,823	22	1,597	28	226
Saint John	37	1,435	34	1,177	27	258
Sept-Îles	12	2,978	7	2,706	26	272
Sioux Lookout	17	2,590	8	2,558	44	32
Smithers	43	1,009	48	725	25	284
St. Catharines	3	5,028	4	3,000	5	2,028
Sudbury	2	5,419	1	4,337	11	1,082
Terrace	34	1,572	33	1,188	22	384
Thompson	11	2,993	5	2,956	41	37
Timmins	15	2,886	6	2,838	38	48
Val-d'Or	14	2,888	14	2,060	16	828
Victoria Harbour	10	3,302	2	3,290	47	12
Wabush	25	2,103	15	2,032	37	71
Whitecourt	32	1,623	36	1,091	18	532
Williams Lake	45	901	44	859	40	42
Total of all flight service stations (51)	.	115,999	.	83,916	.	32,083

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					
	number							
Abbotsford	12,411	3,007	1,046	8,358	137	135	2	
Boundary Bay	13,812	4,000	1,906	7,906	6	6	0	
Calgary International	20,688	19,026	1,498	164	49	45	4	
Calgary/Springbank	12,870	3,691	1,569	7,610	15	15	0	
Chicoutimi/St-Honoré	8,400	2,283	245	5,872	6	2	4	
Edmonton City Centre	5,760	3,467	1,633	660	24	16	8	
Edmonton International	11,955	10,864	755	336	65	57	8	
Edmonton/Villeneuve	5,373	623	438	4,312	895	895	0	
Fort McMurray	7,257	5,168	849	1,240	7	7	0	
Fredericton International	5,571	2,733	216	2,622	91	91	0	
Gander International	3,138	1,490	436	1,212	187	187	0	
Halifax/Robert L. Stanfield International	7,236	6,469	357	410	157	143	14	
Hamilton	3,704	2,022	468	1,214	16	12	4	
Kelowna	7,196	3,723	671	2,802	59	47	12	
Kitchener/Waterloo	10,929	3,487	1,476	5,966	19	15	4	
Langley	6,063	1,695	1,146	3,222	598	598	0	
London	7,433	3,333	808	3,292	31	13	18	
Moncton/Greater Moncton International	5,245	2,966	283	1,996	16	8	8	
Montréal/Pierre Elliott Trudeau International	19,957	18,477	1,392	88	26	22	4	
Montréal/St-Hubert	17,175	6,196	1,333	9,646	68	66	2	
Oshawa	6,119	2,272	1,061	2,786	4	4	0	
Ottawa/Macdonald-Cartier International	15,351	10,870	775	3,706	245	227	18	
Pitt Meadows	10,237	2,225	1,604	6,408	0	0	0	
Prince George	4,843	1,782	615	2,446	57	55	2	
Québec/Jean Lesage International	13,196	7,412	1,670	4,114	119	101	18	
Regina International	4,379	2,895	678	806	398	128	270	
Saskatoon/John G. Diefenbaker International	7,500	4,745	835	1,920	327	118	209	
Sault Ste. Marie	7,287	2,767	272	4,248	22	22	0	
St. John's International	3,592	3,161	307	124	165	165	0	
St-Jean	2,954	174	1,006	1,774	1,004	1,004	0	
Thunder Bay	7,241	4,761	485	1,995	56	52	4	
Toronto/Billy Bishop Toronto City	11,346	7,631	567	3,148	10	8	2	
Toronto/Buttonville Municipal	17,552	4,246	3,328	9,978	1	1	0	
Toronto/Lester B. Pearson International	36,940	35,705	1,153	82	38	38	0	
Vancouver Harbour	5,475	5,426	47	2	2	2	0	
Vancouver International	25,881	24,812	995	74	34	34	0	
Victoria International	12,770	6,481	1,639	4,650	230	224	6	
Whitehorse International	3,500	1,582	582	1,336	40	10	30	
Windsor	2,720	1,465	349	906	0	0	0	
Winnipeg/James Armstrong Richardson International	11,690	9,494	870	1,326	288	288	0	
Winnipeg/St. Andrews	7,421	2,611	342	4,468	0	0	0	
Yellowknife	6,472	4,294	198	1,980	122	120	2	
Total of NAV CANADA towers (42)	416,639	251,531	37,903	127,205	5,634	4,981	653	

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	2,027	409	697	921	458	456	2	
Campbell River	2,667	1,242	561	864	6	0	6	
Castlegar	663	437	78	148	30	28	2	
Charlottetown	1,059	797	172	90	40	12	28	
Churchill	796	744	44	8	2	2	0	
Cranbrook	905	707	160	38	35	31	4	
Deer Lake	1,612	1,320	142	150	14	14	0	
Fort Nelson	2,440	2,076	230	134	30	30	0	
Fort St. John	2,259	1,559	387	313	52	52	0	
Grande Prairie	4,678	2,382	542	1,754	250	250	0	
High Level	1,709	1,294	85	330	4	4	0	
Îles-de-la-Madeleine	539	379	66	94	3	3	0	
Inuvik/Mike Zubko	1,234	1,206	18	10	0	0	0	
Iqaluit	1,593	1,435	126	32	18	18	0	
Kamloops	3,660	1,626	524	1,510	67	47	20	
Kenora	1,704	1,121	189	394	153	61	92	
Kingston	2,827	1,191	530	1,106	80	60	20	
Kuujuuaq	1,106	977	93	36	0	0	0	
La Grande Rivière	774	708	48	18	0	0	0	
La Ronge	2,309	1,357	538	414	2	2	0	
Lethbridge	2,444	1,047	461	936	107	47	60	
Lloydminster	1,429	532	427	470	58	58	0	
Medicine Hat	1,716	903	241	572	48	46	2	
Mont-Joli	768	705	61	2	2	2	0	
Montréal/Mirabel International	3,378	857	233	2,288	36	14	22	
Nanaimo	3,801	1,099	934	1,768	127	117	10	
Norman Wells	2,090	948	34	1,108	0	0	0	
North Bay	6,342	1,578	682	4,082	105	105	0	
Ottawa/Gatineau	4,416	689	1,097	2,630	74	20	54	
Peace River	1,141	962	87	92	0	0	0	
Penticton	2,143	814	407	922	81	79	2	
Port Hardy	1,005	806	133	66	33	17	16	
Prince Albert	2,102	1,474	417	211	20	20	0	
Prince Rupert	326	258	34	34	0	0	0	
Rankin Inlet	1,437	1,428	9	0	2	2	0	
Red Deer Regional	4,396	1,505	829	2,062	17	17	0	
Rouyn-Noranda	1,670	1,178	266	226	153	153	0	
Saint John	1,409	829	332	248	26	16	10	
Sept-Îles	2,944	2,425	265	254	34	16	18	
Sioux Lookout	2,563	2,448	83	32	27	27	0	
Smithers	1,007	616	107	284	2	2	0	
St. Catharines	5,006	1,246	1,732	2,028	22	22	0	
Sudbury	5,389	3,281	1,026	1,082	30	30	0	
Terrace	1,572	1,067	121	384	0	0	0	
Thompson	2,993	2,736	220	37	0	0	0	
Timmins	2,876	2,305	523	48	10	10	0	
Val-d'Or	2,785	1,503	480	802	103	77	26	
Victoria Harbour	3,268	3,125	131	12	34	34	0	
Wabush	2,103	1,903	129	71	0	0	0	
Whitecourt	1,623	947	144	532	0	0	0	
Williams Lake	887	632	217	38	14	10	4	
Total of all flight service stations (51)	113,590	64,813	17,092	31,685	2,409	2,011	398	

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	4,188	485	2,210	312	933	113	135
Boundary Bay	5,912	3	1,155	2,842	1,879	27	6
Calgary International	20,569	17,602	980	444	1,361	137	45
Calgary/Springbank	5,275	20	970	2,701	1,542	27	15
Chicoutimi/St-Honoré	2,530	619	67	1,597	243	2	2
Edmonton City Centre	5,116	1,234	824	1,409	957	676	16
Edmonton International	11,676	10,556	274	34	752	3	57
Edmonton/Villeneuve	1,956	0	110	513	428	10	895
Fort McMurray	6,024	1,702	3,315	151	817	32	7
Fredericton International	3,040	814	1,915	4	129	87	91
Gander International	2,113	1,308	161	21	281	155	187
Halifax/Robert L. Stanfield International	6,969	6,110	341	18	331	26	143
Hamilton	2,502	1,811	152	59	274	194	12
Kelowna	4,441	2,956	365	402	609	62	47
Kitchener/Waterloo	4,978	383	3,051	53	1,469	7	15
Langley	3,439	25	204	1,466	1,129	17	598
London	4,154	1,226	372	1,735	742	66	13
Moncton/Greater Moncton International	3,257	1,706	1,245	15	146	137	8
Montréal/Pierre Elliott Trudeau International	19,891	17,400	1,030	47	1,203	189	22
Montréal/St-Hubert	7,595	3,251	935	2,010	1,244	89	66
Oshawa	3,337	50	284	1,938	957	104	4
Ottawa/Macdonald-Cartier International	11,872	8,509	379	1,982	415	360	227
Pitt Meadows	3,829	13	1,679	533	1,581	23	0
Prince George	2,452	1,232	518	32	489	126	55
Québec/Jean Lesage International	9,183	4,359	2,615	438	1,256	414	101
Regina International	3,701	2,248	612	35	486	192	128
Saskatoon/John G. Diefenbaker International	5,698	3,509	902	334	519	316	118
Sault Ste. Marie	3,061	1,126	93	1,548	178	94	22
St. John's International	3,633	2,751	404	6	120	187	165
St-Jean	2,184	10	141	23	1,006	0	1,004
Thunder Bay	5,298	3,639	345	777	312	173	52
Toronto/Billy Bishop Toronto City	8,206	5,509	837	1,285	555	12	8
Toronto/Buttonville Municipal	7,575	218	3,945	83	3,268	60	1
Toronto/Lester B. Pearson International	36,896	35,022	667	16	1,132	21	38
Vancouver Harbour	5,475	5,051	375	0	47	0	2
Vancouver International	25,841	23,088	1,627	97	734	261	34
Victoria International	8,344	3,401	2,753	327	1,599	40	224
Whitehorse International	2,174	908	659	15	539	43	10
Windsor	1,814	625	824	16	333	16	0
Winnipeg/James Armstrong Richardson International	10,652	9,065	395	34	391	479	288
Winnipeg/St. Andrews	2,953	653	1,434	524	342	0	0
Yellowknife	4,612	3,587	695	12	121	77	120
Total of NAV CANADA towers (42)	294,415	183,784	41,859	25,888	32,849	5,054	4,981

Table 3-2
Itinerant movements by type of operator — NAV CANADA flight service stations

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
	number						
Brandon Municipal	1,562	121	250	38	673	24	456
Campbell River	1,803	665	340	237	545	16	0
Castlegar	543	297	101	39	76	2	28
Charlottetown	981	742	50	5	148	24	12
Churchill	790	714	30	0	34	10	2
Cranbrook	898	665	16	26	156	4	31
Deer Lake	1,476	1,253	65	2	33	109	14
Fort Nelson	2,336	557	1,517	2	228	2	30
Fort St. John	1,998	821	728	10	330	57	52
Grande Prairie	3,174	1,172	1,042	168	520	22	250
High Level	1,383	483	808	3	75	10	4
Îles-de-la-Madeleine	448	360	13	6	27	39	3
Inuvik/Mike Zubko	1,224	887	318	1	3	15	0
Iqaluit	1,579	1,303	74	58	92	34	18
Kamloops	2,197	853	648	125	461	63	47
Kenora	1,371	472	543	106	110	79	61
Kingston	1,781	455	375	361	499	31	60
Kuujuuaq	1,070	802	159	16	65	28	0
La Grande Rivière	756	570	134	4	38	10	0
La Ronge	1,897	1,247	65	45	88	450	2
Lethbridge	1,555	455	46	546	434	27	47
Lloydminster	1,017	232	271	29	414	13	58
Medicine Hat	1,190	503	281	119	239	2	46
Mont-Joli	768	527	146	32	35	26	2
Montréal/Mirabel International	1,104	753	80	24	231	2	14
Nanaimo	2,150	490	578	31	892	42	117
Norman Wells	982	667	281	0	22	12	0
North Bay	2,365	693	658	227	543	139	105
Ottawa/Gatineau	1,806	284	302	103	1,076	21	20
Peace River	1,049	373	573	16	61	26	0
Penticton	1,300	363	399	52	393	14	79
Port Hardy	956	713	74	19	63	70	17
Prince Albert	1,911	1,434	28	12	143	274	20
Prince Rupert	292	252	6	0	26	8	0
Rankin Inlet	1,439	931	497	0	5	4	2
Red Deer Regional	2,351	241	1,098	166	809	20	17
Rouyn-Noranda	1,597	809	271	98	234	32	153
Saint John	1,177	729	57	43	331	1	16
Sept-Îles	2,706	1,488	883	54	184	81	16
Sioux Lookout	2,558	2,155	132	161	35	48	27
Smithers	725	499	105	12	61	46	2
St. Catharines	3,000	12	1,199	35	1,714	18	22
Sudbury	4,337	2,069	797	415	526	500	30
Terrace	1,188	662	394	11	71	50	0
Thompson	2,956	2,309	425	2	49	171	0
Timmins	2,838	2,046	192	67	204	319	10
Val-d'Or	2,060	932	532	39	342	138	77
Victoria Harbour	3,290	3,106	14	5	12	119	34
Wabush	2,032	1,514	366	23	105	24	0
Whitecourt	1,091	54	821	72	142	2	0
Williams Lake	859	418	200	14	203	14	10
Total of all flight service stations (51)	83,916	42,152	18,982	3,679	13,800	3,292	2,011

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	4,188	890	21.2	3,298	78.7	2,051
Boundary Bay	5,912	288	4.8	5,624	95.1	966
Calgary International	20,569	19,475	94.6	1,094	5.3	430
Calgary/Springbank	5,275	394	7.4	4,881	92.5	128
Chicoutimi/St-Honoré	2,530	294	11.6	2,236	88.3	260
Edmonton City Centre	5,116	2,213	43.2	2,903	56.7	1,860
Edmonton International	11,676	11,190	95.8	486	4.1	788
Edmonton/Villeneuve	1,956	46	2.3	1,910	97.6	176
Fort McMurray	6,024	2,207	36.6	3,817	63.3	391
Fredericton International	3,040	1,023	33.6	2,017	66.3	120
Gander International	2,113	1,254	59.3	859	40.6	191
Halifax/Robert L. Stanfield International	6,969	6,593	94.6	376	5.3	396
Hamilton	2,502	2,007	80.2	495	19.7	1,378
Kelowna	4,441	2,530	56.9	1,911	43.0	843
Kitchener/Waterloo	4,978	769	15.4	4,209	84.5	921
Langley	3,439	61	1.7	3,378	98.2	984
London	4,154	1,465	35.2	2,689	64.7	553
Moncton/Greater Moncton International	3,257	1,901	58.3	1,356	41.6	74
Montréal/Pierre Elliott Trudeau International	19,891	19,272	96.8	619	3.1	1,579
Montréal/St-Hubert	7,595	1,819	23.9	5,776	76.0	919
Oshawa	3,337	144	4.3	3,193	95.6	670
Ottawa/Macdonald-Cartier International	11,872	9,301	78.3	2,571	21.6	926
Pitt Meadows	3,829	55	1.4	3,774	98.5	2,374
Prince George	2,452	1,333	54.3	1,119	45.6	564
Québec/Jean Lesage International	9,183	5,592	60.8	3,591	39.1	1,334
Regina International	3,701	2,741	74.0	960	25.9	130
Saskatoon/John G. Diefenbaker International	5,698	4,114	72.2	1,584	27.7	302
Sault Ste. Marie	3,061	1,317	43.0	1,744	56.9	153
St. John's International	3,633	3,327	91.5	306	8.4	128
St-Jean	2,184	12	0.5	2,172	99.4	410
Thunder Bay	5,298	3,804	71.8	1,494	28.1	145
Toronto/Billy Bishop Toronto City	8,206	5,829	71.0	2,377	28.9	2,424
Toronto/Buttonville Municipal	7,575	846	11.1	6,729	88.8	1,299
Toronto/Lester B. Pearson International	36,896	36,823	99.8	73	0.1	258
Vancouver Harbour	5,475	62	1.1	5,413	98.8	2,338
Vancouver International	25,841	21,216	82.1	4,625	17.8	8,943
Victoria International	8,344	3,839	46.0	4,505	53.9	3,960
Whitehorse International	2,174	625	28.7	1,549	71.2	582
Windsor	1,814	734	40.4	1,080	59.5	91
Winnipeg/James Armstrong Richardson International	10,652	9,574	89.8	1,078	10.1	555
Winnipeg/St. Andrews	2,953	132	4.4	2,821	95.5	163
Yellowknife	4,612	2,155	46.7	2,457	53.2	412
Total of NAV CANADA towers (42)	294,415	189,266	64.3	105,149	35.7	43,169

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	1,562	177	11.3	1,385	88.6	119
Campbell River	1,803	499	27.6	1,304	72.3	546
Castlegar	543	317	58.3	226	41.6	130
Charlottetown	981	819	83.4	162	16.5	87
Churchill	790	737	93.2	53	6.7	24
Cranbrook	898	712	79.2	186	20.7	144
Deer Lake	1,476	1,326	89.8	150	10.1	21
Fort Nelson	2,336	591	25.2	1,745	74.7	70
Fort St. John	1,998	928	46.4	1,070	53.5	107
Grande Prairie	3,174	1,374	43.2	1,800	56.7	214
High Level	1,383	202	14.6	1,181	85.3	293
Îles-de-la-Madeleine	448	411	91.7	37	8.2	0
Inuvik/Mike Zubko	1,224	328	26.7	896	73.2	28
Iqaluit	1,579	1,327	84.0	252	15.9	2
Kamloops	2,197	1,006	45.7	1,191	54.2	491
Kenora	1,371	500	36.4	871	63.5	339
Kingston	1,781	601	33.7	1,180	66.2	199
Kuujuuaq	1,070	459	42.8	611	57.1	10
La Grande Rivière	756	587	77.6	169	22.3	444
La Ronge	1,897	752	39.6	1,145	60.3	872
Lethbridge	1,555	608	39.0	947	60.9	35
Lloydminster	1,017	320	31.4	697	68.5	35
Medicine Hat	1,190	451	37.8	739	62.1	134
Mont-Joli	768	649	84.5	119	15.4	22
Montréal/Mirabel International	1,104	855	77.4	249	22.5	1,584
Nanaimo	2,150	550	25.5	1,600	74.4	928
Norman Wells	982	197	20.0	785	79.9	442
North Bay	2,365	769	32.5	1,596	67.4	727
Ottawa/Gatineau	1,806	205	11.3	1,601	88.6	551
Peace River	1,049	357	34.0	692	65.9	22
Penticton	1,300	298	22.9	1,002	77.0	187
Port Hardy	956	279	29.1	677	70.8	415
Prince Albert	1,911	1,517	79.3	394	20.6	144
Prince Rupert	292	225	77.0	67	22.9	28
Rankin Inlet	1,439	915	63.5	524	36.4	16
Red Deer Regional	2,351	474	20.1	1,877	79.8	341
Rouyn-Noranda	1,597	1,091	68.3	506	31.6	132
Saint John	1,177	962	81.7	215	18.2	25
Sept-Îles	2,706	2,022	74.7	684	25.2	408
Sioux Lookout	2,558	2,000	78.1	558	21.8	919
Smithers	725	469	64.6	256	35.3	419
St. Catharines	3,000	152	5.0	2,848	94.9	371
Sudbury	4,337	2,050	47.2	2,287	52.7	275
Terrace	1,188	663	55.8	525	44.1	192
Thompson	2,956	1,736	58.7	1,220	41.2	292
Timmins	2,838	2,065	72.7	773	27.2	438
Val-d'Or	2,060	969	47.0	1,091	52.9	519
Victoria Harbour	3,290	60	1.8	3,230	98.1	1,236
Wabush	2,032	1,772	87.2	260	12.7	196
Whitecourt	1,091	81	7.4	1,010	92.5	162
Williams Lake	859	439	51.1	420	48.8	173
Total of all flight service stations (51)	83,916	38,853	46.3	45,063	53.7	15,508

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	4,188	476	296	2,399	950	67
Boundary Bay	5,912	21	42	5,540	309	0
Calgary International	20,569	13,683	5,661	310	915	0
Calgary/Springbank	5,275	47	178	4,153	897	0
Chicoutimi/St-Honoré	2,530	4	146	2,013	367	0
Edmonton City Centre	5,116	382	1,701	2,041	992	0
Edmonton International	11,676	7,282	3,921	404	68	1
Edmonton/Villeneuve	1,956	14	23	1,360	125	434
Fort McMurray	6,024	1,251	1,652	1,268	1,853	0
Fredericton International	3,040	83	949	1,920	88	0
Gander International	2,113	536	707	635	235	0
Halifax/Robert L. Stanfield International	6,969	3,855	2,644	183	287	0
Hamilton	2,502	1,410	602	346	144	0
Kelowna	4,441	1,057	1,551	1,461	372	0
Kitchener/Waterloo	4,978	175	401	4,145	251	6
Langley	3,439	0	6	2,653	495	285
London	4,154	433	1,041	2,484	194	2
Moncton/Greater Moncton International	3,257	713	1,154	1,326	64	0
Montréal/Pierre Elliott Trudeau International	19,891	11,977	7,198	457	259	0
Montréal/St-Hubert	7,595	264	1,207	5,785	339	0
Oshawa	3,337	25	56	3,130	125	1
Ottawa/Macdonald-Cartier International	11,872	6,191	3,124	2,242	315	0
Pitt Meadows	3,829	3	15	3,424	387	0
Prince George	2,452	556	901	637	330	28
Québec/Jean Lesage International	9,183	1,140	4,384	2,645	1,014	0
Regina International	3,701	1,748	848	963	136	6
Saskatoon/John G. Diefenbaker International	5,698	1,963	2,030	1,596	107	2
Sault Ste. Marie	3,061	40	1,219	1,722	80	0
St. John's International	3,633	1,484	1,684	69	396	0
St-Jean	2,184	0	7	1,388	29	760
Thunder Bay	5,298	396	3,539	1,015	348	0
Toronto/Billy Bishop Toronto City	8,206	17	5,758	1,870	561	0
Toronto/Buttonville Municipal	7,575	75	351	6,708	440	1
Toronto/Lester B. Pearson International	36,896	29,492	7,353	37	14	0
Vancouver Harbour	5,475	0	3,303	1,405	767	0
Vancouver International	25,841	12,421	9,945	2,589	886	0
Victoria International	8,344	1,306	2,457	4,145	436	0
Whitehorse International	2,174	418	521	864	371	0
Windsor	1,814	128	860	801	25	0
Winnipeg/James Armstrong Richardson International	10,652	5,408	4,198	694	352	0
Winnipeg/St. Andrews	2,953	1	729	2,002	221	0
Yellowknife	4,612	725	2,746	472	669	0
Total of NAV CANADA towers (42)	294,415	107,200	87,108	81,301	17,213	1,593

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	1,562	34	161	838	122	407
Campbell River	1,803	25	747	597	434	0
Castlegar	543	22	333	112	76	0
Charlottetown	981	347	461	153	20	0
Churchill	790	10	728	28	24	0
Cranbrook	898	27	642	212	17	0
Deer Lake	1,476	327	1,015	92	42	0
Fort Nelson	2,336	136	524	335	1,341	0
Fort St. John	1,998	326	756	344	572	0
Grande Prairie	3,174	291	1,048	789	810	236
High Level	1,383	10	518	307	548	0
Îles-de-la-Madeleine	448	4	400	42	2	0
Inuvik/Mike Zubko	1,224	92	567	247	318	0
Iqaluit	1,579	384	1,131	36	28	0
Kamloops	2,197	136	990	697	374	0
Kenora	1,371	28	559	241	543	0
Kingston	1,781	57	498	1,038	188	0
Kuujuuaq	1,070	194	676	82	118	0
La Grande Rivière	756	104	605	35	12	0
La Ronge	1,897	2	1,438	321	136	0
Lethbridge	1,555	62	478	965	50	0
Lloydminster	1,017	54	322	580	61	0
Medicine Hat	1,190	16	518	539	117	0
Mont-Joli	768	26	639	87	15	1
Montréal/Mirabel International	1,104	584	273	72	175	0
Nanaimo	2,150	29	506	1,480	90	45
Norman Wells	982	176	287	238	281	0
North Bay	2,365	86	887	494	847	51
Ottawa/Gatineau	1,806	42	147	1,416	201	0
Peace River	1,049	23	335	120	571	0
Penticton	1,300	12	362	430	496	0
Port Hardy	956	4	591	249	112	0
Prince Albert	1,911	2	1,509	323	77	0
Prince Rupert	292	24	205	10	53	0
Rankin Inlet	1,439	227	715	0	497	0
Red Deer Regional	2,351	67	388	1,773	123	0
Rouyn-Noranda	1,597	112	1,042	314	52	77
Saint John	1,177	201	743	197	36	0
Sept-Îles	2,706	66	1,814	400	426	0
Sioux Lookout	2,558	8	2,196	315	39	0
Smithers	725	8	526	69	122	0
St. Catharines	3,000	30	53	2,029	466	422
Sudbury	4,337	36	2,448	1,017	836	0
Terrace	1,188	31	691	84	382	0
Thompson	2,956	66	2,228	438	224	0
Timmins	2,838	12	2,280	273	273	0
Val-d'Or	2,060	134	983	561	382	0
Victoria Harbour	3,290	0	2,437	142	711	0
Wabush	2,032	47	1,670	125	190	0
Whitecourt	1,091	12	93	173	813	0
Williams Lake	859	28	513	220	98	0
Total of all flight service stations (51)	83,916	4,781	41,676	21,679	14,541	1,239

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	2,973	354	214	81	26	57	464	18	0	1
Boundary Bay	5,528	281	66	36	0	0	1	0	0	0
Calgary International	778	490	1,578	2,059	1,043	4,698	8,328	819	180	596
Calgary/Springbank	4,577	377	230	91	0	0	0	0	0	0
Chicoutimi/St-Honoré	2,003	374	144	3	0	6	0	0	0	0
Edmonton City Centre	2,684	400	1,521	350	131	30	0	0	0	0
Edmonton International	315	174	571	1,086	562	2,720	5,525	459	172	92
Edmonton/Villeneuve	1,853	43	46	9	5	0	0	0	0	0
Fort McMurray	2,674	809	641	450	70	805	573	2	0	0
Fredericton International	1,931	142	142	285	241	271	14	4	0	10
Gander International	653	60	58	529	283	354	48	76	2	50
Halifax/Robert L. Stanfield International	146	207	337	1,059	870	1,461	2,206	342	154	187
Hamilton	290	356	150	371	195	60	512	2	432	134
Kelowna	1,695	125	306	553	50	896	803	10	3	0
Kitchener/Waterloo	4,287	126	392	82	24	29	38	0	0	0
Langley	3,213	179	30	13	4	0	0	0	0	0
London	2,501	135	208	194	739	156	217	4	0	0
Moncton/Greater Moncton International	1,322	159	140	461	47	682	174	2	254	16
Montréal/Pierre Elliott Trudeau International	495	202	919	786	2,918	6,888	4,908	1,369	0	1,406
Montréal/St-Hubert	5,484	588	842	480	184	8	2	6	1	0
Oshawa	3,136	107	52	42	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	2,253	160	1,072	372	692	3,604	2,929	486	54	250
Pitt Meadows	3,615	200	10	3	0	0	1	0	0	0
Prince George	845	142	166	683	11	397	208	0	0	0
Québec/Jean Lesage International	3,074	549	1,051	801	1,365	2,114	149	12	0	68
Regina International	787	295	472	435	51	910	673	4	72	2
Saskatoon/John G. Diefenbaker International	1,386	300	816	820	236	1,201	890	2	47	0
Sault Ste. Marie	1,739	120	564	105	210	323	0	0	0	0
St. John's International	42	32	295	678	758	458	1,045	208	88	29
St-Jean	2,169	8	7	0	0	0	0	0	0	0
Thunder Bay	1,006	312	2,455	243	150	912	210	10	0	0
Toronto/Billy Bishop Toronto City	2,078	187	352	316	2	5,271	0	0	0	0
Toronto/Buttonville Municipal	6,764	399	288	93	21	10	0	0	0	0
Toronto/Lester B. Pearson International	22	195	440	2,155	4,213	7,767	14,476	4,036	212	3,380
Vancouver Harbour	164	4,341	968	0	2	0	0	0	0	0
Vancouver International	700	3,715	926	2,887	1,759	5,516	6,369	1,612	445	1,912
Victoria International	3,661	961	216	516	848	1,427	640	39	36	0
Whitehorse International	1,064	221	228	69	22	308	258	2	0	2
Windsor	777	314	94	98	257	223	50	0	1	0
Winnipeg/James Armstrong Richardson International	602	517	2,935	392	968	1,858	2,444	241	647	48
Winnipeg/St. Andrews	2,035	797	118	0	2	1	0	0	0	0
Yellowknife	771	613	985	373	285	862	549	174	0	0
Total of NAV CANADA towers (42)	84,092	20,066	23,045	20,059	19,244	52,283	54,704	9,939	2,800	8,183

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	1,230	46	227	38	13	0	0	8	0	0
Campbell River	964	79	46	567	135	10	2	0	0	0
Castlegar	118	69	37	87	39	193	0	0	0	0
Charlottetown	141	116	49	119	142	164	248	2	0	0
Churchill	44	8	151	14	175	370	0	28	0	0
Cranbrook	158	65	66	367	113	127	0	2	0	0
Deer Lake	83	33	22	477	413	298	150	0	0	0
Fort Nelson	916	152	690	233	154	121	70	0	0	0
Fort St. John	832	69	256	257	135	357	92	0	0	0
Grande Prairie	1,508	304	406	196	21	579	160	0	0	0
High Level	667	100	318	129	0	36	133	0	0	0
Îles-de-la-Madeleine	24	18	110	119	117	59	0	1	0	0
Inuvik/Mike Zubko	507	64	430	4	69	58	92	0	0	0
Iqaluit	42	16	438	129	277	360	232	14	25	46
Kamloops	806	233	231	285	127	436	77	2	0	0
Kenora	340	90	835	23	10	53	0	20	0	0
Kingston	1,099	106	113	236	201	22	2	2	0	0
Kuujuuaq	157	45	508	10	61	125	149	2	2	11
La Grande Rivière	30	23	162	8	35	367	92	39	0	0
La Ronge	260	188	728	88	243	390	0	0	0	0
Lethbridge	808	191	173	321	10	48	2	2	0	0
Lloydminster	564	81	170	194	4	2	0	2	0	0
Medicine Hat	596	33	240	317	0	4	0	0	0	0
Mont-Joli	56	45	213	267	141	46	0	0	0	0
Montréal/Mirabel International	202	108	7	102	24	126	55	12	270	198
Nanaimo	1,234	387	33	45	34	417	0	0	0	0
Norman Wells	351	128	240	54	0	33	176	0	0	0
North Bay	1,204	157	554	114	181	131	10	14	0	0
Ottawa/Gatineau	1,281	306	77	106	26	2	0	8	0	0
Peace River	407	139	432	55	12	2	2	0	0	0
Penticton	799	121	35	144	10	186	5	0	0	0
Port Hardy	89	255	368	102	134	8	0	0	0	0
Prince Albert	159	90	316	424	402	520	0	0	0	0
Prince Rupert	14	4	59	40	34	141	0	0	0	0
Rankin Inlet	306	193	125	6	278	349	172	4	0	6
Red Deer Regional	1,706	180	257	119	6	60	20	3	0	0
Rouyn-Noranda	433	10	518	16	359	187	74	0	0	0
Saint John	124	197	117	246	168	295	24	4	0	2
Sept-Îles	558	270	575	451	643	201	0	8	0	0
Sioux Lookout	74	312	1,295	775	92	10	0	0	0	0
Smithers	163	37	81	277	61	104	2	0	0	0
St. Catharines	2,781	119	47	19	34	0	0	0	0	0
Sudbury	902	849	1,432	361	310	471	0	12	0	0
Terrace	339	126	153	160	208	202	0	0	0	0
Thompson	268	459	1,390	33	258	548	0	0	0	0
Timmins	274	302	1,239	104	510	403	2	4	0	0
Val-d'Or	753	130	445	23	352	233	80	24	18	2
Victoria Harbour	29	2,319	933	0	9	0	0	0	0	0
Wabush	231	83	542	535	444	195	2	0	0	0
Whitecourt	891	24	133	21	4	18	0	0	0	0
Williams Lake	285	31	43	422	10	66	0	2	0	0
Total of all flight service stations (51)	27,807	9,510	18,065	9,239	7,238	9,133	2,125	219	315	265

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	4,110	479	2,194	310	879	113	135
Transborder	78	6	16	2	54	0	0
Other international	0	0	0	0	0	0	0
Total	4,188	485	2,210	312	933	113	135
Boundary Bay							
Domestic	5,781	1	1,150	2,792	1,805	27	6
Transborder	131	2	5	50	74	0	0
Other international	0	0	0	0	0	0	0
Total	5,912	3	1,155	2,842	1,879	27	6
Calgary International							
Domestic	16,545	13,961	878	435	1,090	137	44
Transborder	3,477	3,100	100	9	267	0	1
Other international	547	541	2	0	4	0	0
Total	20,569	17,602	980	444	1,361	137	45
Calgary/Springbank							
Domestic	5,207	20	964	2,698	1,483	27	15
Transborder	68	0	6	3	59	0	0
Other international	0	0	0	0	0	0	0
Total	5,275	20	970	2,701	1,542	27	15
Chicoutimi/St-Honoré							
Domestic	2,529	619	67	1,597	242	2	2
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	2,530	619	67	1,597	243	2	2
Edmonton City Centre							
Domestic	5,084	1,223	820	1,402	947	676	16
Transborder	32	11	4	7	10	0	0
Other international	0	0	0	0	0	0	0
Total	5,116	1,234	824	1,409	957	676	16
Edmonton International							
Domestic	10,135	9,094	265	32	690	3	51
Transborder	1,403	1,328	8	2	59	0	6
Other international	138	134	1	0	3	0	0
Total	11,676	10,556	274	34	752	3	57
Edmonton/Villeneuve							
Domestic	1,955	0	110	513	427	10	895
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,956	0	110	513	428	10	895
Fort McMurray							
Domestic	6,020	1,702	3,314	151	814	32	7
Transborder	4	0	1	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	6,024	1,702	3,315	151	817	32	7
Fredericton International							
Domestic	3,008	806	1,912	4	117	86	83
Transborder	25	5	3	0	12	1	4
Other international	7	3	0	0	0	0	4
Total	3,040	814	1,915	4	129	87	91
Gander International							
Domestic	1,650	1,200	154	1	73	151	71
Transborder	216	47	1	9	98	2	59
Other international	247	61	6	11	110	2	57
Total	2,113	1,308	161	21	281	155	187

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	5,905	5,176	328	16	248	26	111
Transborder	768	674	8	0	71	0	15
Other international	296	260	5	2	12	0	17
Total	6,969	6,110	341	18	331	26	143
Hamilton							
Domestic	1,810	1,254	122	57	174	192	11
Transborder	668	542	26	2	95	2	1
Other international	24	15	4	0	5	0	0
Total	2,502	1,811	152	59	274	194	12
Kelowna							
Domestic	4,241	2,823	354	400	559	62	43
Transborder	199	132	11	2	50	0	4
Other international	1	1	0	0	0	0	0
Total	4,441	2,956	365	402	609	62	47
Kitchener/Waterloo							
Domestic	4,809	351	3,024	51	1,364	7	12
Transborder	164	32	27	2	100	0	3
Other international	5	0	0	0	5	0	0
Total	4,978	383	3,051	53	1,469	7	15
Langley							
Domestic	3,423	25	204	1,466	1,113	17	598
Transborder	16	0	0	0	16	0	0
Other international	0	0	0	0	0	0	0
Total	3,439	25	204	1,466	1,129	17	598
London							
Domestic	3,934	1,085	363	1,735	674	66	11
Transborder	219	141	9	0	67	0	2
Other international	1	0	0	0	1	0	0
Total	4,154	1,226	372	1,735	742	66	13
Moncton/Greater Moncton International							
Domestic	3,162	1,625	1,244	15	133	137	8
Transborder	78	66	1	0	11	0	0
Other international	17	15	0	0	2	0	0
Total	3,257	1,706	1,245	15	146	137	8
Montréal/Pierre Elliott Trudeau International							
Domestic	11,934	10,065	869	31	763	189	17
Transborder	6,070	5,510	131	11	416	0	2
Other international	1,887	1,825	30	5	24	0	3
Total	19,891	17,400	1,030	47	1,203	189	22
Montréal/St-Hubert							
Domestic	7,422	3,231	929	2,005	1,102	89	66
Transborder	171	19	6	5	141	0	0
Other international	2	1	0	0	1	0	0
Total	7,595	3,251	935	2,010	1,244	89	66
Oshawa							
Domestic	3,267	41	279	1,937	903	103	4
Transborder	59	9	5	1	44	0	0
Other international	11	0	0	0	10	1	0
Total	3,337	50	284	1,938	957	104	4
Ottawa/Macdonald-Cartier International							
Domestic	9,632	6,466	357	1,970	299	345	195
Transborder	2,077	1,894	18	12	116	15	22
Other international	163	149	4	0	0	0	10
Total	11,872	8,509	379	1,982	415	360	227

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	3,808	13	1,677	533	1,562	23	0
Transborder	21	0	2	0	19	0	0
Other international	0	0	0	0	0	0	0
Total	3,829	13	1,679	533	1,581	23	0
Prince George							
Domestic	2,439	1,232	518	32	476	126	55
Transborder	12	0	0	0	12	0	0
Other international	1	0	0	0	1	0	0
Total	2,452	1,232	518	32	489	126	55
Québec/Jean Lesage International							
Domestic	8,437	3,696	2,604	434	1,195	412	96
Transborder	664	586	11	1	59	2	5
Other international	82	77	0	3	2	0	0
Total	9,183	4,359	2,615	438	1,256	414	101
Regina International							
Domestic	3,284	1,905	606	34	426	188	125
Transborder	407	334	6	1	60	4	2
Other international	10	9	0	0	0	0	1
Total	3,701	2,248	612	35	486	192	128
Saskatoon/John G. Diefenbaker International							
Domestic	5,362	3,230	891	334	474	316	117
Transborder	328	272	11	0	44	0	1
Other international	8	7	0	0	1	0	0
Total	5,698	3,509	902	334	519	316	118
Sault Ste. Marie							
Domestic	3,035	1,123	90	1,548	158	94	22
Transborder	25	3	2	0	20	0	0
Other international	1	0	1	0	0	0	0
Total	3,061	1,126	93	1,548	178	94	22
St. John's International							
Domestic	3,239	2,562	396	1	49	187	44
Transborder	189	87	2	2	37	0	61
Other international	205	102	6	3	34	0	60
Total	3,633	2,751	404	6	120	187	165
St-Jean							
Domestic	2,182	10	141	23	1,005	0	1,003
Transborder	2	0	0	0	1	0	1
Other international	0	0	0	0	0	0	0
Total	2,184	10	141	23	1,006	0	1,004
Thunder Bay							
Domestic	5,247	3,625	339	776	282	173	52
Transborder	49	13	5	1	30	0	0
Other international	2	1	1	0	0	0	0
Total	5,298	3,639	345	777	312	173	52
Toronto/Billy Bishop Toronto City							
Domestic	6,490	3,928	822	1,283	437	12	8
Transborder	1,716	1,581	15	2	118	0	0
Other international	0	0	0	0	0	0	0
Total	8,206	5,509	837	1,285	555	12	8
Toronto/Buttonville Municipal							
Domestic	7,325	193	3,919	74	3,080	58	1
Transborder	244	24	26	9	183	2	0
Other international	6	1	0	0	5	0	0
Total	7,575	218	3,945	83	3,268	60	1

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	16,376	15,518	410	10	391	21	26
Transborder	15,739	14,812	208	6	703	0	10
Other international	4,781	4,692	49	0	38	0	2
Total	36,896	35,022	667	16	1,132	21	38
Vancouver Harbour							
Domestic	5,475	5,051	375	0	47	0	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	5,475	5,051	375	0	47	0	2
Vancouver International							
Domestic	19,566	17,172	1,581	69	455	259	30
Transborder	4,777	4,430	42	26	275	0	4
Other international	1,498	1,486	4	2	4	2	0
Total	25,841	23,088	1,627	97	734	261	34
Victoria International							
Domestic	7,644	2,915	2,721	327	1,421	40	220
Transborder	696	482	32	0	178	0	4
Other international	4	4	0	0	0	0	0
Total	8,344	3,401	2,753	327	1,599	40	224
Whitehorse International							
Domestic	2,051	904	654	15	427	43	8
Transborder	121	2	5	0	112	0	2
Other international	2	2	0	0	0	0	0
Total	2,174	908	659	15	539	43	10
Windsor							
Domestic	1,735	610	803	16	290	16	0
Transborder	76	15	21	0	40	0	0
Other international	3	0	0	0	3	0	0
Total	1,814	625	824	16	333	16	0
Winnipeg/James Armstrong Richardson International							
Domestic	9,473	8,020	376	24	305	479	269
Transborder	1,166	1,041	18	8	84	0	15
Other international	13	4	1	2	2	0	4
Total	10,652	9,065	395	34	391	479	288
Winnipeg/St. Andrews							
Domestic	2,945	653	1,433	524	335	0	0
Transborder	8	0	1	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	2,953	653	1,434	524	342	0	0
Yellowknife							
Domestic	4,602	3,579	695	12	121	77	118
Transborder	9	7	0	0	0	0	2
Other international	1	1	0	0	0	0	0
Total	4,612	3,587	695	12	121	77	120
Total of NAV CANADA towers (42)							
Domestic	242,278	137,186	40,952	25,687	28,835	5,021	4,597
Transborder	42,174	37,207	793	173	3,747	28	226
Other international	9,963	9,391	114	28	267	5	158
Total	294,415	183,784	41,859	25,888	32,849	5,054	4,981

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	1,519	119	247	31	643	23	456
Transborder	9	2	0	1	6	0	0
Other international	34	0	3	6	24	1	0
Total	1,562	121	250	38	673	24	456
Campbell River							
Domestic	1,761	660	338	237	510	16	0
Transborder	41	4	2	0	35	0	0
Other international	1	1	0	0	0	0	0
Total	1,803	665	340	237	545	16	0
Castlegar							
Domestic	532	297	100	39	68	2	26
Transborder	11	0	1	0	8	0	2
Other international	0	0	0	0	0	0	0
Total	543	297	101	39	76	2	28
Charlottetown							
Domestic	959	735	50	5	133	24	12
Transborder	17	2	0	0	15	0	0
Other international	5	5	0	0	0	0	0
Total	981	742	50	5	148	24	12
Churchill							
Domestic	788	713	29	0	34	10	2
Transborder	1	1	0	0	0	0	0
Other international	1	0	1	0	0	0	0
Total	790	714	30	0	34	10	2
Cranbrook							
Domestic	890	665	16	26	148	4	31
Transborder	8	0	0	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	898	665	16	26	156	4	31
Deer Lake							
Domestic	1,471	1,248	65	2	33	109	14
Transborder	1	1	0	0	0	0	0
Other international	4	4	0	0	0	0	0
Total	1,476	1,253	65	2	33	109	14
Fort Nelson							
Domestic	2,336	557	1,517	2	228	2	30
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	2,336	557	1,517	2	228	2	30
Fort St. John							
Domestic	1,997	821	728	10	329	57	52
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,998	821	728	10	330	57	52
Grande Prairie							
Domestic	3,171	1,172	1,041	168	519	22	249
Transborder	3	0	1	0	1	0	1
Other international	0	0	0	0	0	0	0
Total	3,174	1,172	1,042	168	520	22	250
High Level							
Domestic	1,383	483	808	3	75	10	4
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,383	483	808	3	75	10	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						
Îles-de-la-Madeleine							
Domestic	443	356	13	6	26	39	3
Transborder	1	0	0	0	1	0	0
Other international	4	4	0	0	0	0	0
Total	448	360	13	6	27	39	3
Inuvik/Mike Zubko							
Domestic	1,222	885	318	1	3	15	0
Transborder	2	2	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,224	887	318	1	3	15	0
Iqaluit							
Domestic	1,497	1,278	73	57	41	34	14
Transborder	13	6	0	0	7	0	0
Other international	69	19	1	1	44	0	4
Total	1,579	1,303	74	58	92	34	18
Kamloops							
Domestic	2,184	851	646	124	453	63	47
Transborder	13	2	2	1	8	0	0
Other international	0	0	0	0	0	0	0
Total	2,197	853	648	125	461	63	47
Kenora							
Domestic	1,325	470	542	106	68	79	60
Transborder	46	2	1	0	42	0	1
Other international	0	0	0	0	0	0	0
Total	1,371	472	543	106	110	79	61
Kingston							
Domestic	1,739	452	365	361	470	31	60
Transborder	42	3	10	0	29	0	0
Other international	0	0	0	0	0	0	0
Total	1,781	455	375	361	499	31	60
Kuujuuaq							
Domestic	1,065	802	159	16	60	28	0
Transborder	0	0	0	0	0	0	0
Other international	5	0	0	0	5	0	0
Total	1,070	802	159	16	65	28	0
La Grande Rivière							
Domestic	755	570	134	4	37	10	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	756	570	134	4	38	10	0
La Ronge							
Domestic	1,895	1,247	65	45	86	450	2
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,897	1,247	65	45	88	450	2
Lethbridge							
Domestic	1,471	455	39	545	359	27	46
Transborder	84	0	7	1	75	0	1
Other international	0	0	0	0	0	0	0
Total	1,555	455	46	546	434	27	47
Lloydminster							
Domestic	1,014	232	271	29	411	13	58
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	1,017	232	271	29	414	13	58

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	1,186	502	280	119	237	2	46
Transborder	4	1	1	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,190	503	281	119	239	2	46
Mont-Joli							
Domestic	768	527	146	32	35	26	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	768	527	146	32	35	26	2
Montréal/Mirabel International							
Domestic	861	531	80	23	211	2	14
Transborder	225	205	0	0	20	0	0
Other international	18	17	0	1	0	0	0
Total	1,104	753	80	24	231	2	14
Nanaimo							
Domestic	2,107	485	577	31	855	42	117
Transborder	42	5	1	0	36	0	0
Other international	1	0	0	0	1	0	0
Total	2,150	490	578	31	892	42	117
Norman Wells							
Domestic	982	667	281	0	22	12	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	982	667	281	0	22	12	0
North Bay							
Domestic	2,334	688	657	226	520	138	105
Transborder	31	5	1	1	23	1	0
Other international	0	0	0	0	0	0	0
Total	2,365	693	658	227	543	139	105
Ottawa/Gatineau							
Domestic	1,796	284	302	103	1,066	21	20
Transborder	9	0	0	0	9	0	0
Other international	1	0	0	0	1	0	0
Total	1,806	284	302	103	1,076	21	20
Peace River							
Domestic	1,048	372	573	16	61	26	0
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,049	373	573	16	61	26	0
Penticton							
Domestic	1,265	362	398	50	362	14	79
Transborder	35	1	1	2	31	0	0
Other international	0	0	0	0	0	0	0
Total	1,300	363	399	52	393	14	79
Port Hardy							
Domestic	947	713	74	19	56	70	15
Transborder	9	0	0	0	7	0	2
Other international	0	0	0	0	0	0	0
Total	956	713	74	19	63	70	17
Prince Albert							
Domestic	1,911	1,434	28	12	143	274	20
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,911	1,434	28	12	143	274	20

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	287	252	6	0	21	8	0
Transborder	5	0	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	292	252	6	0	26	8	0
Rankin Inlet							
Domestic	1,439	931	497	0	5	4	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,439	931	497	0	5	4	2
Red Deer Regional							
Domestic	2,335	237	1,093	166	802	20	17
Transborder	16	4	5	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	2,351	241	1,098	166	809	20	17
Rouyn-Noranda							
Domestic	1,597	809	271	98	234	32	153
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,597	809	271	98	234	32	153
Saint John							
Domestic	1,085	717	56	43	254	1	14
Transborder	78	0	1	0	75	0	2
Other international	14	12	0	0	2	0	0
Total	1,177	729	57	43	331	1	16
Sept-Îles							
Domestic	2,693	1,485	880	54	177	81	16
Transborder	9	2	1	0	6	0	0
Other international	4	1	2	0	1	0	0
Total	2,706	1,488	883	54	184	81	16
Sioux Lookout							
Domestic	2,552	2,155	132	161	29	48	27
Transborder	6	0	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	2,558	2,155	132	161	35	48	27
Smithers							
Domestic	724	499	105	12	60	46	2
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	725	499	105	12	61	46	2
St. Catharines							
Domestic	2,931	5	1,186	35	1,665	18	22
Transborder	69	7	13	0	49	0	0
Other international	0	0	0	0	0	0	0
Total	3,000	12	1,199	35	1,714	18	22
Sudbury							
Domestic	4,323	2,061	797	415	520	500	30
Transborder	14	8	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	4,337	2,069	797	415	526	500	30
Terrace							
Domestic	1,188	662	394	11	71	50	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,188	662	394	11	71	50	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							
Thompson							
Domestic	2,953	2,309	424	2	47	171	0
Transborder	2	0	0	0	2	0	0
Other international	1	0	1	0	0	0	0
Total	2,956	2,309	425	2	49	171	0
Timmins							
Domestic	2,836	2,046	192	67	202	319	10
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	2,838	2,046	192	67	204	319	10
Val-d'Or							
Domestic	2,059	931	532	39	342	138	77
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	2,060	932	532	39	342	138	77
Victoria Harbour							
Domestic	2,973	2,792	12	5	11	119	34
Transborder	317	314	2	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	3,290	3,106	14	5	12	119	34
Wabush							
Domestic	2,029	1,511	366	23	105	24	0
Transborder	2	2	0	0	0	0	0
Other international	1	1	0	0	0	0	0
Total	2,032	1,514	366	23	105	24	0
Whitecourt							
Domestic	1,091	54	821	72	142	2	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,091	54	821	72	142	2	0
Williams Lake							
Domestic	858	418	200	14	202	14	10
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	859	418	200	14	203	14	10
Total of all flight service stations (51)							
Domestic	82,575	41,507	18,924	3,665	13,191	3,290	1,998
Transborder	1,178	581	50	6	531	1	9
Other international	163	64	8	8	78	1	4
Total	83,916	42,152	18,982	3,679	13,800	3,292	2,011

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	12	12,548	5	10	100	8	588
Boundary Bay	8	13,818	5	13	108	5	679
Calgary International	3	20,737	26	10	62	15	771
Calgary/Springbank	11	12,885	15	10	102	15	732
Chicoutimi/St-Honoré	18	8,406	31	9	127	30	521
Edmonton City Centre	31	5,784	26	10	38	28	253
Edmonton International	13	12,020	15	6	46	15	494
Edmonton/Villeneuve	29	6,268	2	11	79	26	430
Fort McMurray	25	7,264	24	16	47	25	373
Fredericton International	32	5,662	7	19	40	3	376
Gander International	41	3,325	20	23	41	24	217
Halifax/Robert L. Stanfield International	22	7,393	15	12	43	8	288
Hamilton	39	3,720	31	11	32	31	190
Kelowna	26	7,255	11	13	57	4	410
Kitchener/Waterloo	16	10,948	24	14	90	17	737
Langley	27	6,661	18	14	65	26	339
London	20	7,464	5	21	58	17	391
Moncton/Greater Moncton International	34	5,261	8	10	49	8	345
Montréal/Pierre Elliott Trudeau International	4	19,983	11	16	58	14	748
Montréal/St-Hubert	6	17,243	7	11	141	7	1,265
Oshawa	30	6,123	26	12	60	26	384
Ottawa/Macdonald-Cartier International	7	15,596	26	12	87	15	727
Pitt Meadows	17	10,237	24	11	110	11	585
Prince George	35	4,900	26	12	59	26	273
Québec/Jean Lesage International	9	13,315	30	13	98	7	709
Regina International	36	4,777	2	10	38	15	258
Saskatoon/John G. Diefenbaker International	19	7,827	26	22	53	29	377
Sault Ste. Marie	23	7,309	23	11	67	22	403
St. John's International	38	3,757	7	11	30	24	175
St-Jean	37	3,958	6	14	50	5	329
Thunder Bay	24	7,297	30	9	64	30	471
Toronto/Billy Bishop Toronto City	15	11,356	6	21	68	17	543
Toronto/Buttonville Municipal	5	17,553	23	14	133	17	1,093
Toronto/Lester B. Pearson International	1	36,978	30	18	109	4	1,344
Vancouver Harbour	33	5,477	9	8	28	25	233
Vancouver International	2	25,915	18	8	88	18	979
Victoria International	10	13,000	13	14	79	10	606
Whitehorse International	40	3,540	5	10	49	2	227
Windsor	42	2,720	21	21	38	13	160
Winnipeg/James Armstrong Richardson International	14	11,978	9	11	48	16	489
Winnipeg/St. Andrews	21	7,421	24	11	91	31	511
Yellowknife	28	6,594	4	15	78	4	370

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	19	2,485	6	13	52	26	179
Campbell River	16	2,673	25	14	34	19	175
Castlegar	49	693	1	12	22	1	68
Charlottetown	41	1,099	22	13	16	22	58
Churchill	46	798	3	10	9	11	45
Cranbrook	44	940	12	13	10	15	45
Deer Lake	31	1,626	21	15	27	21	115
Fort Nelson	20	2,470	5	13	28	29	186
Fort St. John	21	2,311	31	14	41	25	122
Grande Prairie	4	4,928	2	14	57	2	274
High Level	30	1,713	20	12	37	18	140
Îles-de-la-Madeleine	50	542	28	10	20	28	66
Inuvik/Mike Zubko	38	1,234	13	17	11	14	65
Iqaluit	33	1,611	10	14	11	28	75
Kamloops	8	3,727	19	12	54	19	413
Kenora	27	1,857	15	11	47	15	178
Kingston	13	2,907	29	14	46	18	174
Kuujuuaq	40	1,106	1	14	14	4	57
La Grande Rivière	47	774	18	20	9	1	37
La Ronge	22	2,311	4	16	21	31	123
Lethbridge	18	2,551	9	22	68	9	187
Lloydminster	35	1,487	6	13	25	24	114
Medicine Hat	29	1,764	4	16	34	16	118
Mont-Joli	48	770	10	19	9	24	41
Montréal/Mirabel International	9	3,414	26	11	42	23	204
Nanaimo	7	3,928	26	13	48	12	292
Norman Wells	26	2,090	14	11	21	22	95
North Bay	1	6,447	30	16	72	30	374
Ottawa/Gatineau	5	4,490	13	13	76	6	313
Peace River	39	1,141	9	12	12	9	62
Penticton	23	2,224	8	14	47	31	221
Port Hardy	42	1,038	10	16	13	24	66
Prince Albert	24	2,122	3	16	26	3	120
Prince Rupert	51	326	16	13	13	16	46
Rankin Inlet	36	1,439	22	12	15	22	86
Red Deer Regional	6	4,413	4	17	54	8	291
Rouyn-Noranda	28	1,823	21	11	32	21	135
Saint John	37	1,435	1	12	18	7	90
Sept-Îles	12	2,978	25	14	37	28	171
Sioux Lookout	17	2,590	11	16	20	11	120
Smithers	43	1,009	29	14	68	23	164
St. Catharines	3	5,028	6	10	57	19	369
Sudbury	2	5,419	13	12	45	2	237
Terrace	34	1,572	3	17	73	3	240
Thompson	11	2,993	31	13	34	31	141
Timmins	15	2,886	1	12	19	24	178
Val-d'Or	14	2,888	15	14	72	15	282
Victoria Harbour	10	3,302	25	16	19	25	157
Wabush	25	2,103	15	16	18	3	101
Whitecourt	32	1,623	4	12	29	13	95
Williams Lake	45	901	31	17	14	11	51

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	4,188	12	9	34	11	211
Boundary Bay	15	5,912	24	15	44	6	318
Calgary International	3	20,569	31	18	60	15	761
Calgary/Springbank	19	5,275	12	11	43	12	306
Chicoutimi/St-Honoré	35	2,530	7	9	35	7	166
Edmonton City Centre	20	5,116	28	16	25	28	229
Edmonton International	6	11,676	2	7	38	31	464
Edmonton/Villeneuve	41	1,956	20	11	33	26	204
Fort McMurray	14	6,024	16	8	30	31	271
Fredericton International	33	3,040	7	19	20	3	198
Gander International	40	2,113	21	16	14	24	105
Halifax/Robert L. Stanfield International	13	6,969	2	18	24	3	265
Hamilton	36	2,502	26	13	13	17	127
Kelowna	23	4,441	4	10	22	11	181
Kitchener/Waterloo	21	4,978	26	14	55	26	382
Langley	29	3,439	12	16	42	12	297
London	25	4,154	19	12	25	17	217
Moncton/Greater Moncton International	31	3,257	8	15	19	8	175
Montréal/Pierre Elliott Trudeau International	4	19,891	11	16	58	14	744
Montréal/St-Hubert	11	7,595	14	11	55	7	531
Oshawa	30	3,337	5	16	34	26	228
Ottawa/Macdonald-Cartier International	5	11,872	30	9	42	30	487
Pitt Meadows	26	3,829	5	16	36	11	243
Prince George	37	2,452	31	16	19	14	112
Québec/Jean Lesage International	8	9,183	7	17	40	7	433
Regina International	27	3,701	12	9	20	25	178
Saskatoon/John G. Diefenbaker International	16	5,698	16	14	29	16	258
Sault Ste. Marie	32	3,061	28	9	21	11	151
St. John's International	28	3,633	8	19	14	22	145
St-Jean	38	2,184	5	14	37	19	268
Thunder Bay	18	5,298	11	9	25	30	264
Toronto/Billy Bishop Toronto City	10	8,206	20	16	35	11	342
Toronto/Buttonville Municipal	12	7,575	5	15	43	17	435
Toronto/Lester B. Pearson International	1	36,896	30	18	107	4	1,344
Vancouver Harbour	17	5,475	9	8	28	25	233
Vancouver International	2	25,841	22	8	78	18	937
Victoria International	9	8,344	9	12	39	16	350
Whitehorse International	39	2,174	24	12	21	27	117
Windsor	42	1,814	6	13	19	6	107
Winnipeg/James Armstrong Richardson International	7	10,652	16	15	35	9	413
Winnipeg/St. Andrews	34	2,953	11	11	28	31	183
Yellowknife	22	4,612	4	10	25	4	206

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	24	1,562	6	13	31	26	167
Campbell River	20	1,803	17	16	16	19	109
Castlegar	49	543	8	9	8	10	29
Charlottetown	41	981	14	19	7	27	48
Churchill	45	790	3	10	9	11	45
Cranbrook	43	898	6	18	8	6	44
Deer Lake	26	1,476	22	19	11	22	79
Fort Nelson	11	2,336	29	11	20	29	186
Fort St. John	16	1,998	24	17	17	14	113
Grande Prairie	3	3,174	26	14	20	26	152
High Level	28	1,383	30	20	15	27	96
Îles-de-la-Madeleine	50	448	7	10	5	29	25
Inuvik/Mike Zubko	31	1,224	15	14	9	14	65
Iqaluit	23	1,579	10	14	11	28	75
Kamloops	12	2,197	25	17	20	11	117
Kenora	29	1,371	18	11	14	17	90
Kingston	21	1,781	5	11	16	18	102
Kuujuuaq	37	1,070	4	17	10	4	57
La Grande Rivière	47	756	1	11	8	1	37
La Ronge	18	1,897	26	9	15	31	111
Lethbridge	25	1,555	29	10	24	11	93
Lloydminster	39	1,017	6	13	25	24	60
Medicine Hat	32	1,190	25	17	20	16	90
Mont-Joli	46	768	10	19	9	24	41
Montréal/Mirabel International	35	1,104	9	14	11	9	69
Nanaimo	13	2,150	13	16	21	13	107
Norman Wells	40	982	14	11	9	30	55
North Bay	9	2,365	23	14	19	23	133
Ottawa/Gatineau	19	1,806	13	13	36	12	177
Peace River	38	1,049	1	11	8	15	57
Penticton	30	1,300	17	15	12	11	68
Port Hardy	42	956	8	15	10	31	55
Prince Albert	17	1,911	11	14	17	3	98
Prince Rupert	51	292	27	14	5	16	16
Rankin Inlet	27	1,439	22	12	15	22	86
Red Deer Regional	10	2,351	6	10	41	6	153
Rouyn-Noranda	22	1,597	20	10	26	21	111
Saint John	34	1,177	7	19	8	18	58
Sept-Îles	7	2,706	15	9	20	25	133
Sioux Lookout	8	2,558	11	16	20	11	120
Smithers	48	725	9	12	8	29	37
St. Catharines	4	3,000	13	11	40	19	301
Sudbury	1	4,337	26	15	23	31	218
Terrace	33	1,188	3	10	12	3	76
Thompson	5	2,956	9	17	18	9	135
Timmins	6	2,838	22	10	18	24	178
Val-d'Or	14	2,060	24	16	19	24	130
Victoria Harbour	2	3,290	25	16	19	25	157
Wabush	15	2,032	1	10	17	3	101
Whitecourt	36	1,091	8	10	14	8	68
Williams Lake	44	859	27	17	10	16	44

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	3	8,360	9	15	86	8	426
Boundary Bay	4	7,906	5	13	72	2	448
Calgary International	37	168	26	10	26	26	46
Calgary/Springbank	5	7,610	15	10	82	15	476
Chicoutimi/St-Honoré	8	5,876	31	9	118	30	432
Edmonton City Centre	34	668	5	13	18	5	62
Edmonton International	36	344	26	15	26	15	54
Edmonton/Villeneuve	11	4,312	2	11	68	2	226
Fort McMurray	29	1,240	4	12	30	25	110
Fredericton International	20	2,622	5	0	34	3	178
Gander International	31	1,212	20	23	40	24	112
Halifax/Robert L. Stanfield International	35	424	15	12	30	15	56
Hamilton	30	1,218	31	11	24	19	80
Kelowna	18	2,814	10	9	44	4	240
Kitchener/Waterloo	7	5,970	15	22	72	17	466
Langley	16	3,222	17	13	52	16	192
London	15	3,310	5	21	52	5	192
Moncton/Greater Moncton International	23	2,004	8	10	38	8	170
Montréal/Pierre Elliott Trudeau International	39	92	6	22	4	6	12
Montréal/St-Hubert	2	9,648	7	11	90	7	734
Oshawa	19	2,786	2	15	38	31	226
Ottawa/Macdonald-Cartier International	14	3,724	26	12	50	15	250
Pitt Meadows	6	6,408	24	11	96	14	360
Prince George	21	2,448	26	12	52	26	180
Québec/Jean Lesage International	13	4,132	30	13	78	7	276
Regina International	32	1,076	2	10	26	15	86
Saskatoon/John G. Diefenbaker International	22	2,129	26	22	52	17	140
Sault Ste. Marie	12	4,248	23	11	56	24	264
St. John's International	38	124	7	11	18	24	30
St-Jean	26	1,774	3	18	40	14	144
Thunder Bay	24	1,999	26	10	42	30	207
Toronto/Billy Bishop Toronto City	17	3,150	1	21	48	17	226
Toronto/Buttonville Municipal	1	9,978	23	14	116	14	686
Toronto/Lester B. Pearson International	40	82	3	19	4	3	12
Vancouver Harbour	42	2	1	15	2	1	2
Vancouver International	41	74	18	8	24	18	42
Victoria International	9	4,656	31	22	64	10	288
Whitehorse International	27	1,366	5	10	46	2	150
Windsor	33	906	21	21	34	8	88
Winnipeg/James Armstrong Richardson International	28	1,326	16	14	24	14	82
Winnipeg/St. Andrews	10	4,468	24	11	74	8	340
Yellowknife	25	1,982	4	15	62	4	164

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	14	923	4	11	30	9	88
Campbell River	15	870	5	11	30	25	76
Castlegar	31	150	1	12	22	1	44
Charlottetown	33	118	22	13	14	22	28
Churchill	49	8	23	5	6	23	8
Cranbrook	39	42	12	13	8	12	8
Deer Lake	30	150	21	15	24	21	60
Fort Nelson	32	134	5	13	26	5	60
Fort St. John	24	313	31	14	36	22	44
Grande Prairie	7	1,754	2	14	48	2	164
High Level	23	330	20	12	34	18	104
Îles-de-la-Madeleine	34	94	28	10	16	28	44
Inuvik/Mike Zubko	48	10	13	17	6	13	6
Iqaluit	45	32	4	16	4	4	10
Kamloops	8	1,530	19	12	46	19	332
Kenora	19	486	15	11	40	15	100
Kingston	9	1,126	29	14	40	31	80
Kuujuuaq	42	36	1	14	10	1	14
La Grande Rivière	46	18	18	20	8	18	8
La Ronge	21	414	2	10	14	2	36
Lethbridge	12	996	9	22	68	9	126
Lloydminster	20	470	2	14	20	2	58
Medicine Hat	17	574	4	16	30	4	76
Mont-Joli	50	2	21	14	2	21	2
Montréal/Mirabel International	3	2,310	26	11	40	23	152
Nanaimo	6	1,778	26	13	42	12	206
Norman Wells	10	1,108	15	11	18	3	56
North Bay	1	4,082	30	16	62	8	290
Ottawa/Gatineau	2	2,684	16	9	54	23	186
Peace River	35	92	2	12	8	8	14
Penticton	13	924	8	14	44	31	168
Port Hardy	36	82	24	10	10	24	22
Prince Albert	29	211	7	10	16	7	43
Prince Rupert	43	34	16	11	11	16	30
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	4	2,062	4	17	44	8	170
Rouyn-Noranda	28	226	10	22	24	26	74
Saint John	27	258	1	12	16	1	34
Sept-Îles	26	272	25	14	24	6	46
Sioux Lookout	44	32	12	16	8	12	8
Smithers	25	284	29	14	64	23	128
St. Catharines	5	2,028	11	9	42	11	202
Sudbury	11	1,082	2	16	32	2	100
Terrace	22	384	3	17	68	3	164
Thompson	41	37	31	13	24	31	24
Timmins	38	48	1	12	12	1	20
Val-d'Or	16	828	15	14	58	15	176
Victoria Harbour	47	12	1	19	4	1	6
Wabush	37	71	21	20	12	21	22
Whitecourt	18	532	4	12	26	24	46
Williams Lake	40	42	11	15	8	11	12

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	3	8,358	9	15	86	8	426
Boundary Bay	4	7,906	5	13	72	2	448
Calgary International	37	164	26	10	26	26	46
Calgary/Springbank	5	7,610	15	10	82	15	476
Chicoutimi/St-Honoré	8	5,872	31	9	118	30	432
Edmonton City Centre	34	660	5	13	18	5	62
Edmonton International	36	336	26	15	26	15	54
Edmonton/Villeneuve	11	4,312	2	11	68	2	226
Fort McMurray	29	1,240	4	12	30	25	110
Fredericton International	20	2,622	5	0	34	3	178
Gander International	31	1,212	20	23	40	24	112
Halifax/Robert L. Stanfield International	35	410	15	12	30	15	54
Hamilton	30	1,214	31	11	24	19	80
Kelowna	18	2,802	10	9	44	4	240
Kitchener/Waterloo	7	5,966	15	22	72	17	466
Langley	16	3,222	17	13	52	16	192
London	15	3,292	5	21	52	5	192
Moncton/Greater Moncton International	22	1,996	8	10	36	8	168
Montréal/Pierre Elliott Trudeau International	39	88	6	22	4	6	12
Montréal/St-Hubert	2	9,646	7	11	90	7	734
Oshawa	19	2,786	2	15	38	31	226
Ottawa/Macdonald-Cartier International	14	3,706	26	12	48	15	244
Pitt Meadows	6	6,408	24	11	96	14	360
Prince George	21	2,446	26	12	52	26	180
Québec/Jean Lesage International	13	4,114	30	13	78	7	276
Regina International	33	806	2	10	24	15	76
Saskatoon/John G. Diefenbaker International	25	1,920	11	22	36	17	138
Sault Ste. Marie	12	4,248	23	11	56	24	264
St. John's International	38	124	7	11	18	24	30
St-Jean	26	1,774	3	18	40	14	144
Thunder Bay	23	1,995	26	10	42	30	207
Toronto/Billy Bishop Toronto City	17	3,148	1	21	48	17	226
Toronto/Buttonville Municipal	1	9,978	23	14	116	14	686
Toronto/Lester B. Pearson International	40	82	3	19	4	3	12
Vancouver Harbour	42	2	1	15	2	1	2
Vancouver International	41	74	18	8	24	18	42
Victoria International	9	4,650	31	22	64	10	288
Whitehorse International	27	1,336	5	10	46	2	150
Windsor	32	906	21	21	34	8	88
Winnipeg/James Armstrong Richardson International	28	1,326	16	14	24	14	82
Winnipeg/St. Andrews	10	4,468	24	11	74	8	340
Yellowknife	24	1,980	4	15	62	4	164

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	14	921	4	11	30	9	88
Campbell River	15	864	5	11	30	25	76
Castlegar	31	148	1	12	22	1	44
Charlottetown	35	90	19	21	10	7	12
Churchill	49	8	23	5	6	23	8
Cranbrook	39	38	12	13	4	15	8
Deer Lake	30	150	21	15	24	21	60
Fort Nelson	32	134	5	13	26	5	60
Fort St. John	24	313	31	14	36	22	44
Grande Prairie	7	1,754	2	14	48	2	164
High Level	23	330	20	12	34	18	104
Îles-de-la-Madeleine	33	94	28	10	16	28	44
Inuvik/Mike Zubko	48	10	13	17	6	13	6
Iqaluit	44	32	4	16	4	4	10
Kamloops	8	1,510	19	12	46	19	332
Kenora	21	394	11	16	30	15	70
Kingston	10	1,106	29	14	40	2	72
Kuujuuaq	42	36	1	14	10	1	14
La Grande Rivière	46	18	18	20	8	18	8
La Ronge	20	414	2	10	14	2	36
Lethbridge	12	936	9	22	34	12	84
Lloydminster	19	470	2	14	20	2	58
Medicine Hat	17	572	4	16	30	4	76
Mont-Joli	50	2	21	14	2	21	2
Montréal/Mirabel International	3	2,288	26	11	40	23	146
Nanaimo	6	1,768	26	13	42	12	206
Norman Wells	9	1,108	15	11	18	3	56
North Bay	1	4,082	30	16	62	8	290
Ottawa/Gatineau	2	2,630	16	9	54	23	186
Peace River	34	92	2	12	8	8	14
Penticton	13	922	8	14	44	31	168
Port Hardy	37	66	24	10	10	24	22
Prince Albert	29	211	7	10	16	7	43
Prince Rupert	43	34	16	11	11	16	30
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	4	2,062	4	17	44	8	170
Rouyn-Noranda	28	226	10	22	24	26	74
Saint John	27	248	1	12	16	1	34
Sept-Îles	26	254	25	14	24	6	46
Sioux Lookout	45	32	12	16	8	12	8
Smithers	25	284	29	14	64	23	128
St. Catharines	5	2,028	11	9	42	11	202
Sudbury	11	1,082	2	16	32	2	100
Terrace	22	384	3	17	68	3	164
Thompson	41	37	31	13	24	31	24
Timmins	38	48	1	12	12	1	20
Val-d'Or	16	802	18	11	46	15	158
Victoria Harbour	47	12	1	19	4	1	6
Wabush	36	71	21	20	12	21	22
Whitecourt	18	532	4	12	26	24	46
Williams Lake	40	38	31	17	8	11	8

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	19	2	20	9	2	20	2
Boundary Bay	0	0	0	0	0	0	0
Calgary International	13	4	13	14	4	13	4
Calgary/Springbank	0	0	0	0	0	0	0
Chicoutimi/St-Honoré	17	4	28	11	4	28	4
Edmonton City Centre	10	8	2	18	6	2	6
Edmonton International	9	8	3	14	2	3	2
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	0	0	0	0	0	0	0
Fredericton International	0	0	0	0	0	0	0
Gander International	0	0	0	0	0	0	0
Halifax/Robert L. Stanfield International	7	14	22	14	4	22	4
Hamilton	14	4	13	19	4	13	4
Kelowna	8	12	10	17	2	10	4
Kitchener/Waterloo	18	4	31	15	4	31	4
Langley	0	0	0	0	0	0	0
London	5	18	25	12	12	25	12
Moncton/Greater Moncton International	11	8	1	17	2	1	2
Montréal/Pierre Elliott Trudeau International	15	4	20	14	2	20	2
Montréal/St-Hubert	23	2	9	12	2	9	2
Oshawa	0	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	4	18	15	13	4	15	6
Pitt Meadows	0	0	0	0	0	0	0
Prince George	20	2	9	16	2	9	2
Québec/Jean Lesage International	6	18	25	10	8	25	8
Regina International	1	270	30	8	14	18	32
Saskatoon/John G. Diefenbaker International	2	209	26	22	52	26	83
Sault Ste. Marie	0	0	0	0	0	0	0
St. John's International	0	0	0	0	0	0	0
St-Jean	0	0	0	0	0	0	0
Thunder Bay	16	4	14	15	2	14	2
Toronto/Billy Bishop Toronto City	21	2	18	10	2	18	2
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	6	13	11	2	13	2
Whitehorse International	3	30	21	15	20	21	24
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	0	0	0	0	0	0	0
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	22	2	22	11	2	22	2

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	16	2	20	12	2	20	2
Campbell River	13	6	11	10	4	11	4
Castlegar	17	2	16	9	2	16	2
Charlottetown	4	28	22	13	14	22	26
Churchill	0	0	0	0	0	0	0
Cranbrook	14	4	12	13	4	12	4
Deer Lake	0	0	0	0	0	0	0
Fort Nelson	0	0	0	0	0	0	0
Fort St. John	0	0	0	0	0	0	0
Grande Prairie	0	0	0	0	0	0	0
High Level	0	0	0	0	0	0	0
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	0	0	0	0	0	0	0
Iqaluit	0	0	0	0	0	0	0
Kamloops	8	20	12	11	20	12	20
Kenora	1	92	15	11	20	15	30
Kingston	7	20	31	12	6	31	12
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	2	60	9	22	34	9	46
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	18	2	31	14	2	31	2
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	6	22	17	17	8	17	8
Nanaimo	11	10	26	12	4	26	8
Norman Wells	0	0	0	0	0	0	0
North Bay	0	0	0	0	0	0	0
Ottawa/Gatineau	3	54	15	11	18	15	26
Peace River	0	0	0	0	0	0	0
Penticton	19	2	16	9	2	16	2
Port Hardy	10	16	8	14	4	8	4
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	12	10	14	8	4	14	10
Sept-Îles	9	18	23	12	10	23	18
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	5	26	15	14	18	15	18
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	15	4	11	15	4	11	4

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

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 Elliott 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.