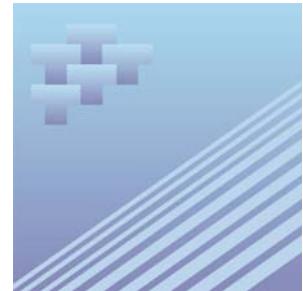


Catalogue no. 51-007-X

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



July 2012



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Statistics Canada
Transportation Division

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

July 2012

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- . not available for any reference period
- .. not available for a specific reference period
- ... not applicable
- 0 true zero or a value rounded to zero
- 0s 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 571,002 aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in July 2012 compared with 564,180 movements in July 2011.

Itinerant movements (flights from one airport to another) increased 1.7% (+6,841 movements) in July 2012 from the same month in 2011. These airports reported 413,351 movements compared with 406,510 movements in July 2011.

There were 157,651 local movements (flights that remain in the vicinity of the airport) in July 2012 compared with 157,670 movements in July 2011.

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

	NAV CANADA towers	Percentage change, July 2011 to July 2012	NAV CANADA Flight Service Stations	Percentage change, July 2011 to July 2012	Total	Percentage change, July 2011 to July 2012
	number	percent	number	percent	number	percent
Grand total	445,572	0.1	125,430	5.4	571,002	1.2
Itinerant movements						
Air carriers	239,091	0.7	69,491	7.8	308,582	2.2
Other commercial movements	31,128	4.4	5,532	3.2	36,660	4.2
Private movements	38,576	-3.6	16,035	3.8	54,611	-1.5
Government civil movements	4,424	-4.4	3,000	14.4	7,424	2.4
Government military movements	4,984	-11.7	1,090	6.8	6,074	-8.9
Itinerant total	318,203	0.2	95,148	7.0	413,351	1.7
Local movements						
Civil local movements	126,845	-0.3	30,056	1.3	156,901	0.0
Military local movements	524	42.4	226	-41.8	750	-0.8
Local total	127,369	-0.2	30,282	0.7	157,651	0.0

Analysis

There were 571,002 aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in July 2012 compared with 564,180 movements in July 2011. Year-over-year increases were reported by 44 airports. Toronto/Lester B. Pearson International, Ontario (38,894 movements) and Vancouver International, British Columbia (29,226 movements) were the most active sites in July.

Itinerant movements (flights from one airport to another) increased 1.7% (+6,841 movements) in July 2012 from the same month in 2011. These airports reported 413,351 movements compared with 406,510 movements in July 2011. Year-over-year variations ranged from an increase of 2,429 movements (+40.6%) at Fort McMurray, Alberta to a drop of 1,492 movements (-28.0%) at Moncton/Greater Moncton International, New Brunswick. Forty-nine airports reported year-over-year increases in the number of itinerant aircraft movements in July 2012.

There were 157,651 local movements (flights that remain in the vicinity of the airport) in July 2012 compared with 157,670 movements in July 2011. Boundary Bay, British Columbia (11,788 movements) and Toronto/Buttonville Municipal, Ontario (9,890 movements) recorded the largest number of local movements.

Itinerant movements: domestic, transborder and international

There were 355,388 domestic itinerant movements reported by 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in July 2012, up 1.7% (+6,010 movements) from July 2011. Vancouver International, British Columbia (22,105 movements) and Calgary International, Alberta (17,220 movements) reported the greatest number of domestic itinerant movements. Fifty airports reported year-over-year increases in the number of domestic movements in July 2012.

Eighty-seven airports recorded 46,495 transborder itinerant movements (between Canada and the United States) in July 2012, up 1.9% from the same month in 2011. Toronto/Lester B. Pearson International, Ontario (16,189 movements) reported the greatest number of transborder itinerant movements.

In July 2012, thirty-eight airports reported 11,468 other international itinerant movements, down 0.3% from July 2011. Toronto/Lester B. Pearson International, Ontario, recorded 5,419 other international itinerant movements. This represents 47.3% 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
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401-0017	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA flight service stations, monthly

- 401-0018 Itinerant movements, by type of power plant, airports with NAV CANADA flight service stations, monthly
- 401-0019 Itinerant movements, by aircraft maximum take-off weight, airports with NAV CANADA flight service stations, monthly
- 401-0020 Domestic and international itinerant movements, by type of operation, airports with NAV CANADA flight service stations, monthly
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- 401-0022 Monthly itinerant movements, by weight group and type of power plant, airports without air traffic control towers
- 401-0023 Aircraft movements, by class of operation, airports with NAV CANADA towers, annual
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401-0037	Annual aircraft movements, by class of operation and type of operation, airports without air traffic control towers
401-0038	Annual itinerant movements, by weight group and type of power plant, airports without air traffic control towers

Selected surveys from Statistics Canada

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	18	11,066	30	3,885	6	7,181
Boundary Bay	5	20,432	10	8,644	1	11,788
Calgary International	3	21,502	3	21,400	40	102
Calgary/Springbank	11	12,417	19	5,357	7	7,060
Chicoutimi/St-Honoré	32	5,084	41	1,660	16	3,424
Edmonton City Centre	33	5,051	26	4,595	34	456
Edmonton International	12	12,217	5	11,871	35	346
Edmonton/Villeneuve	37	3,925	42	1,061	18	2,864
Fort McMurray	21	9,141	12	8,409	31	732
Fredericton International	19	9,802	29	4,126	9	5,676
Gander International	39	3,855	38	2,495	25	1,360
Halifax/Robert L. Stanfield International	26	7,909	15	7,587	36	322
Hamilton	40	3,313	37	2,557	30	756
Kelowna	29	6,672	25	4,648	22	2,024
Kitchener/Waterloo	10	12,421	21	5,105	4	7,316
Langley	28	6,896	35	2,988	11	3,908
London	23	8,858	22	4,972	12	3,886
Moncton/Greater Moncton International	30	6,007	31	3,841	21	2,166
Montréal/Pierre Elliott Trudeau International	4	20,440	4	20,320	38	120
Montréal/St-Hubert	7	15,342	14	7,650	3	7,692
Oshawa	22	8,994	20	5,294	15	3,700
Ottawa/Macdonald-Cartier International	13	12,164	6	11,218	27	946
Pitt Meadows	17	11,076	28	4,220	8	6,856
Prince George	42	3,211	39	2,443	29	768
Québec/Jean Lesage International	9	13,496	8	9,638	14	3,858
Regina International	34	5,010	32	3,778	26	1,232
Saskatoon/John G. Diefenbaker International	24	8,424	18	5,934	20	2,490
Sault Ste. Marie	27	7,034	34	3,158	13	3,876
St. John's International	38	3,913	33	3,749	37	164
St-Jean	25	8,289	16	6,509	24	1,780
Thunder Bay	20	9,347	17	6,047	17	3,300
Toronto/Billy Bishop Toronto City	16	11,273	11	8,413	19	2,860
Toronto/Buttonville Municipal	6	17,788	13	7,898	2	9,890
Toronto/Lester B. Pearson International	1	38,894	1	38,782	39	112
Vancouver Harbour	35	4,823	24	4,811	42	12
Vancouver International	2	29,226	2	29,178	41	48
Victoria International	8	14,337	9	9,433	10	4,904
Whitehorse International	41	3,297	36	2,587	32	710
Windsor	36	3,961	40	2,141	23	1,820
Winnipeg/James Armstrong Richardson International	15	11,521	7	10,587	28	934
Winnipeg/St. Andrews	14	11,529	27	4,263	5	7,266
Yellowknife	31	5,615	23	4,951	33	664
Total of NAV CANADA towers (42)	.	445,572	.	318,203	.	127,369

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	26	1,910	46	933	12	977
Campbell River	18	2,889	19	2,105	15	784
Castlegar	49	626	49	558	35	68
Charlottetown	35	1,591	34	1,393	28	198
Churchill	46	1,019	44	995	44	24
Cranbrook	44	1,221	39	1,137	32	84
Deer Lake	29	1,833	25	1,743	31	90
Fort Nelson	6	4,053	2	3,949	30	104
Fort St. John	17	2,896	14	2,566	19	330
Grande Prairie	7	3,999	9	2,705	7	1,294
High Level	12	3,442	4	3,196	25	246
Îles-de-la-Madeleine	50	599	50	555	39	44
Inuvik/Mike Zubko	25	1,922	22	1,870	37	52
Iqaluit	27	1,886	23	1,868	45	18
Kamloops	3	4,986	12	2,600	3	2,386
Kenora	39	1,476	32	1,444	40	32
Kingston	21	2,808	24	1,816	11	992
Kuujuaq	34	1,625	38	1,285	18	340
La Grande Rivière	48	770	48	742	42	28
La Ronge	24	2,240	20	2,029	27	211
Lethbridge	10	3,500	16	2,290	8	1,210
Lloydminster	41	1,370	45	934	17	436
Medicine Hat	5	4,507	11	2,655	5	1,852
Mont-Joli	47	819	47	819	0	0
Montréal/Mirabel International	15	3,082	43	1,014	4	2,068
Nanaimo	9	3,509	15	2,315	9	1,194
Norman Wells	31	1,774	26	1,702	33	72
North Bay	8	3,815	18	2,199	6	1,616
Ottawa/Gatineau	2	6,258	21	2,016	1	4,242
Peace River	45	1,166	41	1,098	34	68
Penticton	23	2,408	28	1,558	13	850
Port Hardy	38	1,530	31	1,512	46	18
Prince Albert	36	1,564	30	1,539	43	25
Prince Rupert	51	267	51	267	0	0
Rankin Inlet	37	1,558	29	1,558	0	0
Red Deer Regional	1	7,088	3	3,290	2	3,798
Rouyn-Noranda	30	1,807	36	1,311	16	496
Saint John	33	1,664	35	1,340	20	324
Sept-Îles	11	3,443	6	3,169	23	274
Sioux Lookout	22	2,631	13	2,585	38	46
Smithers	42	1,355	42	1,057	22	298
St. Catharines	13	3,371	17	2,206	10	1,165
Sudbury	4	4,920	1	4,094	14	826
Terrace	32	1,698	33	1,426	24	272
Thompson	16	3,057	7	3,041	47	16
Timmins	20	2,824	8	2,758	36	66
Val-d'Or	28	1,863	27	1,637	26	226
Victoria Harbour	14	3,198	5	3,190	48	8
Wabush	19	2,825	10	2,663	29	162
Whitecourt	40	1,437	40	1,115	21	322
Williams Lake	43	1,331	37	1,301	41	30
Total of all flight service stations (51)	.	125,430	.	95,148	.	30,282

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

	Civil movements			Military movements		
	Total	Itinerant		Local	Total	Itinerant
		Commercial	Private and government			
number						
Abbotsford	11,050	2,801	1,068	7,181	16	16
Boundary Bay	20,424	6,682	1,954	11,788	8	8
Calgary International	21,408	19,821	1,487	100	94	92
Calgary/Springbank	12,343	3,364	1,919	7,060	74	74
Chicoutimi/St-Honoré	5,073	1,402	255	3,416	11	3
Edmonton City Centre	5,029	2,991	1,588	450	22	16
Edmonton International	12,160	11,120	704	336	57	47
Edmonton/Villeneuve	3,921	551	510	2,860	4	0
Fort McMurray	9,131	7,372	1,031	728	10	6
Fredericton International	9,762	3,698	392	5,672	40	36
Gander International	3,702	1,911	431	1,360	153	153
Halifax/Robert L. Stanfield International	7,825	7,090	417	318	84	80
Hamilton	3,306	1,993	559	754	7	5
Kelowna	6,612	3,675	925	2,012	60	48
Kitchener/Waterloo	12,413	3,885	1,212	7,316	8	8
Langley	6,895	1,621	1,366	3,908	1	1
London	8,845	3,989	970	3,886	13	13
Moncton/Greater Moncton International	5,987	3,440	385	2,162	20	16
Montréal/Pierre Elliott Trudeau International	20,430	19,232	1,078	120	10	10
Montréal/St-Hubert	15,244	6,306	1,248	7,690	98	96
Oshawa	8,984	4,197	1,087	3,700	10	10
Ottawa/Macdonald-Cartier International	12,040	10,465	631	944	124	122
Pitt Meadows	11,076	2,596	1,624	6,856	0	0
Prince George	3,193	1,803	626	764	18	14
Québec/Jean Lesage International	13,442	7,744	1,848	3,850	54	46
Regina International	4,738	2,963	783	992	272	32
Saskatoon/John G. Diefenbaker International	8,252	4,836	1,028	2,388	172	70
Sault Ste. Marie	6,977	2,701	416	3,860	57	41
St. John's International	3,704	3,206	334	164	209	209
St-Jean	5,292	398	3,114	1,780	2,997	2,997
Thunder Bay	9,286	5,367	639	3,280	61	41
Toronto/Billy Bishop Toronto City	11,270	7,625	785	2,860	3	3
Toronto/Buttonville Municipal	17,786	4,494	3,402	9,890	2	2
Toronto/Lester B. Pearson International	38,878	37,827	939	112	16	16
Vancouver Harbour	4,823	4,772	39	12	0	0
Vancouver International	29,212	27,887	1,277	48	14	14
Victoria International	14,213	7,338	1,975	4,900	124	120
Whitehorse International	3,142	1,880	594	668	155	113
Windsor	3,945	1,691	446	1,808	16	4
Winnipeg/James Armstrong Richardson International	11,301	9,487	886	928	220	214
Winnipeg/St. Andrews	11,529	3,851	412	7,266	0	0
Yellowknife	5,421	4,147	616	658	194	188
Total of NAV CANADA towers (42)	440,064	270,219	43,000	126,845	5,508	4,984
						524

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

	Civil movements			Military movements		
	Total	Itinerant		Local	Total	Itinerant
		Commercial	Private and government			
number						
Brandon Municipal	1,874	475	428	971	36	30
Campbell River	2,879	1,300	801	778	10	4
Castlegar	608	440	106	62	18	12
Charlottetown	1,565	1,026	351	188	26	16
Churchill	1,017	793	200	24	2	2
Cranbrook	1,209	670	455	84	12	12
Deer Lake	1,824	1,576	158	90	9	9
Fort Nelson	3,977	3,591	282	104	76	76
Fort St. John	2,794	1,924	540	330	102	102
Grande Prairie	3,999	2,131	574	1,294	0	0
High Level	3,440	2,969	225	246	2	2
Îles-de-la-Madeleine	599	435	120	44	0	0
Inuvik/Mike Zubko	1,845	1,653	144	48	77	73
Iqaluit	1,868	1,649	201	18	18	0
Kamloops	4,978	2,093	499	2,386	8	8
Kenora	1,424	1,091	313	20	52	40
Kingston	2,766	1,124	654	988	42	38
Kuujjuaq	1,621	1,172	109	340	4	4
La Grande Rivière	770	669	73	28	0	0
La Ronge	2,226	1,373	644	209	14	12
Lethbridge	3,363	1,444	777	1,142	137	69
Lloydminster	1,362	558	368	436	8	8
Medicine Hat	4,461	1,928	709	1,824	46	18
Mont-Joli	815	671	144	0	4	4
Montréal/Mirabel International	2,993	778	203	2,012	89	33
Nanaimo	3,507	1,229	1,084	1,194	2	2
Norman Wells	1,672	1,472	134	66	102	96
North Bay	3,718	1,459	661	1,598	97	79
Ottawa/Gatineau	6,252	1,083	927	4,242	6	6
Peace River	1,166	966	132	68	0	0
Penticton	2,338	991	497	850	70	70
Port Hardy	1,504	1,236	250	18	26	26
Prince Albert	1,555	1,335	195	25	9	9
Prince Rupert	265	193	72	0	2	2
Rankin Inlet	1,558	1,535	23	0	0	0
Red Deer Regional	6,998	2,456	744	3,798	90	90
Rouyn-Noranda	1,807	1,066	245	496	0	0
Saint John	1,657	845	488	324	7	7
Sept-Îles	3,437	2,670	493	274	6	6
Sioux Lookout	2,623	2,391	186	46	8	8
Smithers	1,353	869	186	298	2	2
St. Catharines	3,371	1,454	752	1,165	0	0
Sudbury	4,911	3,380	705	826	9	9
Terrace	1,686	1,248	166	272	12	12
Thompson	3,057	2,672	369	16	0	0
Timmins	2,821	2,331	424	66	3	3
Val-d'Or	1,850	1,249	375	226	13	13
Victoria Harbour	3,197	3,121	68	8	1	1
Wabush	2,821	2,330	329	162	4	4
Whitecourt	1,384	830	232	322	53	53
Williams Lake	1,329	1,079	220	30	2	2
Total of all flight service stations (51)	124,114	75,023	19,035	30,056	1,316	1,090
						226

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	3,885	461	2,203	137	1,008	60	16
Boundary Bay	8,644	14	1,302	5,366	1,929	25	8
Calgary International	21,400	18,428	954	439	1,363	124	92
Calgary/Springbank	5,357	26	408	2,930	1,872	47	74
Chicoutimi/St-Honoré	1,660	1,249	26	127	251	4	3
Edmonton City Centre	4,595	1,160	676	1,155	1,039	549	16
Edmonton International	11,871	10,798	237	85	703	1	47
Edmonton/Villeneuve	1,061	4	60	487	510	0	0
Fort McMurray	8,409	2,081	5,197	94	976	55	6
Fredericton International	4,126	1,030	2,647	21	298	94	36
Gander International	2,495	1,802	81	28	339	92	153
Halifax/Robert L. Stanfield International	7,587	6,642	436	12	383	34	80
Hamilton	2,557	1,719	150	124	336	223	5
Kelowna	4,648	3,061	300	314	877	48	48
Kitchener/Waterloo	5,105	392	3,417	76	1,202	10	8
Langley	2,988	9	135	1,477	1,343	23	1
London	4,972	1,229	535	2,225	918	52	13
Moncton/Greater Moncton International	3,841	1,735	1,693	12	269	116	16
Montréal/Pierre Elliott Trudeau International	20,320	18,231	948	53	893	185	10
Montréal/St-Hubert	7,650	3,254	1,013	2,039	1,192	56	96
Oshawa	5,294	40	189	3,968	1,013	74	10
Ottawa/Macdonald-Cartier International	11,218	8,079	335	2,051	359	272	122
Pitt Meadows	4,220	0	2,005	591	1,592	32	0
Prince George	2,443	1,185	578	40	558	68	14
Québec/Jean Lesage International	9,638	4,331	2,821	592	1,503	345	46
Regina International	3,778	2,111	811	41	650	133	32
Saskatoon/John G. Diefenbaker International	5,934	3,458	946	432	726	302	70
Sault Ste. Marie	3,158	1,112	74	1,515	367	49	41
St. John's International	3,749	2,841	365	0	164	170	209
St-Jean	6,509	10	262	126	3,114	0	2,997
Thunder Bay	6,047	3,489	289	1,589	473	166	41
Toronto/Billy Bishop Toronto City	8,413	5,205	1,011	1,409	767	18	3
Toronto/Buttonville Municipal	7,898	211	4,212	71	3,283	119	2
Toronto/Lester B. Pearson International	38,782	37,293	510	24	925	14	16
Vancouver Harbour	4,811	4,393	378	1	39	0	0
Vancouver International	29,178	25,690	2,092	105	1,027	250	14
Victoria International	9,433	3,374	3,584	380	1,931	44	120
Whitehorse International	2,587	1,130	730	20	570	24	113
Windsor	2,141	615	1,070	6	444	2	4
Winnipeg/James Armstrong Richardson International	10,587	9,096	331	60	502	384	214
Winnipeg/St. Andrews	4,263	746	2,266	839	412	0	0
Yellowknife	4,951	3,482	598	67	456	160	188
Total of NAV CANADA towers (42)	318,203	191,216	47,875	31,128	38,576	4,424	4,984

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	933	136	284	55	407	21	30
Campbell River	2,105	644	318	338	765	36	4
Castlegar	558	283	112	45	102	4	12
Charlottetown	1,393	943	75	8	335	16	16
Churchill	995	700	89	4	188	12	2
Cranbrook	1,137	601	46	23	451	4	12
Deer Lake	1,743	1,490	86	0	50	108	9
Fort Nelson	3,949	516	3,069	6	278	4	76
Fort St. John	2,566	842	1,003	79	519	21	102
Grande Prairie	2,705	1,185	805	141	564	10	0
High Level	3,196	452	2,488	29	157	68	2
Îles-de-la-Madeleine	555	387	44	4	81	39	0
Inuvik/Mike Zubko	1,870	1,197	441	15	60	84	73
Iqaluit	1,868	1,447	144	58	125	76	18
Kamloops	2,600	891	920	282	447	52	8
Kenora	1,444	437	454	200	259	54	40
Kingston	1,816	426	436	262	642	12	38
Kuujjuaq	1,285	928	203	41	69	40	4
La Grande Rivière	742	509	144	16	67	6	0
La Ronge	2,029	1,256	113	4	112	532	12
Lethbridge	2,290	441	120	883	763	14	69
Lloydminster	934	228	299	31	362	6	8
Medicine Hat	2,655	579	638	711	703	6	18
Mont-Joli	819	500	166	5	124	20	4
Montréal/Mirabel International	1,014	692	54	32	203	0	33
Nanaimo	2,315	494	689	46	1,046	38	2
Norman Wells	1,702	696	768	8	85	49	96
North Bay	2,199	757	508	194	488	173	79
Ottawa/Gatineau	2,016	280	583	220	920	7	6
Peace River	1,098	396	554	16	123	9	0
Penticton	1,558	359	578	54	489	8	70
Port Hardy	1,512	1,096	132	8	212	38	26
Prince Albert	1,539	1,273	60	2	94	101	9
Prince Rupert	267	179	14	0	68	4	2
Rankin Inlet	1,558	1,034	499	2	10	13	0
Red Deer Regional	3,290	345	1,943	168	724	20	90
Rouyn-Noranda	1,311	672	198	196	211	34	0
Saint John	1,340	753	50	42	481	7	7
Sept-Îles	3,169	1,413	1,210	47	348	145	6
Sioux Lookout	2,585	2,026	166	199	120	66	8
Smithers	1,057	539	297	33	169	17	2
St. Catharines	2,206	22	1,388	44	744	8	0
Sudbury	4,094	1,608	1,095	677	447	258	9
Terrace	1,426	678	551	19	136	30	12
Thompson	3,041	2,222	448	2	66	303	0
Timmins	2,758	1,885	334	112	237	187	3
Val-d'Or	1,637	796	427	26	258	117	13
Victoria Harbour	3,190	3,113	8	0	8	60	1
Wabush	2,663	1,677	605	48	282	47	4
Whitecourt	1,115	28	721	81	232	0	53
Williams Lake	1,301	422	641	16	204	16	2
Total of all flight service stations (51)	95,148	42,473	27,018	5,532	16,035	3,000	1,090

Table 4-1
**Itinerant movements by I.F.R. (Instrument flight rules) and V.F.R. (Visual flight rules) and runway 88 movements
— NAV CANADA towers**

	Itinerant movements					Runway 88
	Total of IFR and VFR flights ¹	Instrument Flight Rules	Percentage Instrument Flight Rules	Visual Flight Rules	Percentage Visual Flight Rules	
	number	percent	number	percent	number	
Abbotsford	3,885	636	16.3	3,249	83.6	2,342
Boundary Bay	8,644	350	4.0	8,294	95.9	1,012
Calgary International	21,400	20,354	95.1	1,046	4.8	403
Calgary/Springbank	5,357	469	8.7	4,888	91.2	206
Chicoutimi/St-Honoré	1,660	121	7.2	1,539	92.7	230
Edmonton City Centre	4,595	2,080	45.2	2,515	54.7	1,539
Edmonton International	11,871	11,463	96.5	408	3.4	884
Edmonton/Villeneuve	1,061	69	6.5	992	93.4	96
Fort McMurray	8,409	2,314	27.5	6,095	72.4	810
Fredericton International	4,126	1,160	28.1	2,966	71.8	159
Gander International	2,495	1,316	52.7	1,179	47.2	219
Halifax/Robert L. Stanfield International	7,587	7,161	94.3	426	5.6	467
Hamilton	2,557	1,952	76.3	605	23.6	1,352
Kelowna	4,648	2,855	61.4	1,793	38.5	1,386
Kitchener/Waterloo	5,105	671	13.1	4,434	86.8	1,070
Langley	2,988	41	1.3	2,947	98.6	1,487
London	4,972	1,440	28.9	3,532	71.0	673
Moncton/Greater Moncton International	3,841	1,964	51.1	1,877	48.8	142
Montréal/Pierre Elliott Trudeau International	20,320	19,660	96.7	660	3.2	1,706
Montréal-St-Hubert	7,650	1,871	24.4	5,779	75.5	749
Oshawa	5,294	164	3.0	5,130	96.9	662
Ottawa/Macdonald-Cartier International	11,218	8,619	76.8	2,599	23.1	1,137
Pitt Meadows	4,220	42	0.9	4,178	99.0	2,803
Prince George	2,443	1,361	55.7	1,082	44.2	455
Québec/Jean Lesage International	9,638	5,572	57.8	4,066	42.1	1,879
Regina International	3,778	2,457	65.0	1,321	34.9	208
Saskatoon/John G. Diefenbaker International	5,934	4,055	68.3	1,879	31.6	405
Sault Ste. Marie	3,158	1,316	41.6	1,842	58.3	187
St. John's International	3,749	3,393	90.5	356	9.4	343
St-Jean	6,509	20	0.3	6,489	99.6	516
Thunder Bay	6,047	3,651	60.3	2,396	39.6	198
Toronto/Billy Bishop Toronto City	8,413	5,565	66.1	2,848	33.8	2,423
Toronto/Buttonville Municipal	7,898	850	10.7	7,048	89.2	1,609
Toronto/Lester B. Pearson International	38,782	38,692	99.7	90	0.2	245
Vancouver Harbour	4,811	52	1.0	4,759	98.9	3,020
Vancouver International	29,178	23,401	80.2	5,777	19.7	5,562
Victoria International	9,433	3,808	40.3	5,625	59.6	4,758
Whitehorse International	2,587	862	33.3	1,725	66.6	748
Windsor	2,141	733	34.2	1,408	65.7	135
Winnipeg/James Armstrong Richardson International	10,587	9,360	88.4	1,227	11.5	507
Winnipeg/St. Andrews	4,263	125	2.9	4,138	97.0	198
Yellowknife	4,951	2,160	43.6	2,791	56.3	1,371
Total of NAV CANADA towers (42)	318,203	194,205	61.0	123,998	39.0	46,301

1. Total excludes runway 88 flights.

Table 4-2
Itinerant movements by I.F.R. (Instrument flight rules) and V.F.R. (Visual flight rules) and runway 88 movements — NAV CANADA flight service stations

	Itinerant movements					Runway 88
	Total of IFR and VFR flights ¹	Instrument Flight Rules	Percentage Instrument Flight Rules	Visual Flight Rules	Percentage Visual Flight Rules	
	number	percent	number	percent	number	
Brandon Municipal	933	174	18.6	759	81.3	387
Campbell River	2,105	530	25.1	1,575	74.8	815
Castlegar	558	279	50.0	279	50.0	128
Charlottetown	1,393	1,067	76.5	326	23.4	189
Churchill	995	738	74.1	257	25.8	194
Cranbrook	1,137	659	57.9	478	42.0	164
Deer Lake	1,743	1,542	88.4	201	11.5	45
Fort Nelson	3,949	576	14.5	3,373	85.4	114
Fort St. John	2,566	970	37.8	1,596	62.1	164
Grande Prairie	2,705	1,397	51.6	1,308	48.3	263
High Level	3,196	252	7.8	2,944	92.1	513
Îles-de-la-Madeleine	555	479	86.3	76	13.6	6
Inuvik/Mike Zubko	1,870	413	22.0	1,457	77.9	358
Iqaluit	1,868	1,330	71.1	538	28.8	33
Kamloops	2,600	1,038	39.9	1,562	60.0	582
Kenora	1,444	571	39.5	873	60.4	517
Kingston	1,816	576	31.7	1,240	68.2	192
Kuujuaq	1,285	500	38.9	785	61.0	164
La Grande Rivière	742	567	76.4	175	23.5	183
La Ronge	2,029	810	39.9	1,219	60.0	1,538
Lethbridge	2,290	649	28.3	1,641	71.6	32
Lloydminster	934	252	26.9	682	73.0	50
Medicine Hat	2,655	440	16.5	2,215	83.4	994
Mont-Joli	819	663	80.9	156	19.0	47
Montréal/Mirabel International	1,014	771	76.0	243	23.9	1,969
Nanaimo	2,315	616	26.6	1,699	73.3	1,489
Norman Wells	1,702	265	15.5	1,437	84.4	266
North Bay	2,199	829	37.6	1,370	62.3	888
Ottawa/Gatineau	2,016	117	5.8	1,899	94.1	710
Peace River	1,098	370	33.6	728	66.3	45
Penticton	1,558	350	22.4	1,208	77.5	214
Port Hardy	1,512	544	35.9	968	64.0	294
Prince Albert	1,539	1,329	86.3	210	13.6	125
Prince Rupert	267	208	77.9	59	22.0	35
Rankin Inlet	1,558	1,019	65.4	539	34.5	133
Red Deer Regional	3,290	460	13.9	2,830	86.0	403
Rouyn-Noranda	1,311	915	69.7	396	30.2	257
Saint John	1,340	1,016	75.8	324	24.1	39
Sept-Îles	3,169	1,964	61.9	1,205	38.0	632
Sioux Lookout	2,585	1,796	69.4	789	30.5	1,462
Smithers	1,057	479	45.3	578	54.6	707
St. Catharines	2,206	147	6.6	2,059	93.3	501
Sudbury	4,094	1,798	43.9	2,296	56.0	285
Terrace	1,426	677	47.4	749	52.5	187
Thompson	3,041	1,705	56.0	1,336	43.9	799
Timmins	2,758	1,865	67.6	893	32.3	311
Val-d'Or	1,637	870	53.1	767	46.8	857
Victoria Harbour	3,190	51	1.5	3,139	98.4	1,431
Wabush	2,663	1,866	70.0	797	29.9	487
Whitecourt	1,115	52	4.6	1,063	95.3	150
Williams Lake	1,301	420	32.2	881	67.7	251
Total of all flight service stations (51)	95,148	38,971	41.0	56,177	59.0	22,599

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	3,885	466	99	2,595	725	0
Boundary Bay	8,644	39	110	8,162	333	0
Calgary International	21,400	14,629	5,587	293	891	0
Calgary/Springbank	5,357	71	147	4,689	450	0
Chicoutimi/St-Honoré	1,660	6	123	1,401	130	0
Edmonton City Centre	4,595	333	1,611	1,843	807	1
Edmonton International	11,871	7,666	3,830	321	54	0
Edmonton/Villeneuve	1,061	19	39	903	100	0
Fort McMurray	8,409	1,366	2,134	1,368	3,541	0
Fredericton International	4,126	87	1,095	2,812	132	0
Gander International	2,495	620	689	1,035	151	0
Halifax/Robert L. Stanfield International	7,587	3,968	3,072	234	313	0
Hamilton	2,557	1,363	560	521	113	0
Kelowna	4,648	1,269	1,649	1,536	194	0
Kitchener/Waterloo	5,105	273	285	4,287	258	2
Langley	2,988	0	1	2,608	376	3
London	4,972	437	1,011	3,255	266	3
Moncton/Greater Moncton International	3,841	696	1,189	1,865	88	3
Montréal/Pierre Elliott Trudeau International	20,320	12,638	6,964	440	278	0
Montréal/St-Hubert	7,650	144	1,317	5,923	256	10
Oshawa	5,294	24	37	5,117	115	1
Ottawa/Macdonald-Cartier International	11,218	6,014	2,636	2,243	325	0
Pitt Meadows	4,220	0	10	3,933	275	2
Prince George	2,443	245	1,221	676	301	0
Québec/Jean Lesage International	9,638	1,229	4,264	3,175	970	0
Regina International	3,778	1,701	603	1,376	96	2
Saskatoon/John G. Diefenbaker International	5,934	1,946	1,983	1,919	79	7
Sault Ste. Marie	3,158	71	1,198	1,845	44	0
St. John's International	3,749	1,674	1,568	146	361	0
St-Jean	6,509	0	1	3,722	46	2,740
Thunder Bay	6,047	396	3,406	1,932	313	0
Toronto/Billy Bishop Toronto City	8,413	2	5,565	2,232	614	0
Toronto/Buttonville Municipal	7,898	56	463	7,051	328	0
Toronto/Lester B. Pearson International	38,782	31,582	7,157	41	2	0
Vancouver Harbour	4,811	0	2,660	1,498	652	1
Vancouver International	29,178	13,226	11,698	3,269	985	0
Victoria International	9,433	1,421	2,358	5,426	228	0
Whitehorse International	2,587	640	563	1,009	375	0
Windsor	2,141	157	549	1,409	26	0
Winnipeg/James Armstrong Richardson International	10,587	5,298	4,220	770	299	0
Winnipeg/St. Andrews	4,263	1	768	3,265	229	0
Yellowknife	4,951	748	2,789	857	557	0
Total of NAV CANADA towers (42)	318,203	112,521	87,229	99,002	16,676	2,775

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
number						
Brandon Municipal	933	39	172	614	108	0
Campbell River	2,105	64	722	871	448	0
Castlegar	558	7	321	156	74	0
Charlottetown	1,393	459	562	331	41	0
Churchill	995	28	715	119	133	0
Cranbrook	1,137	34	575	502	26	0
Deer Lake	1,743	309	1,256	116	62	0
Fort Nelson	3,949	162	918	448	2,421	0
Fort St. John	2,566	314	946	514	792	0
Grande Prairie	2,705	270	1,059	816	560	0
High Level	3,196	12	871	388	1,925	0
Îles-de-la-Madeleine	555	18	434	101	2	0
Inuvik/Mike Zubko	1,870	146	797	476	451	0
Iqaluit	1,868	362	1,266	97	143	0
Kamloops	2,600	124	985	1,040	451	0
Kenora	1,444	118	544	350	432	0
Kingston	1,816	34	469	1,093	220	0
Kuujuaq	1,285	180	767	166	172	0
La Grande Rivière	742	106	541	90	5	0
La Ronge	2,029	10	1,411	518	90	0
Lethbridge	2,290	156	953	1,123	58	0
Lloydminster	934	18	296	514	106	0
Medicine Hat	2,655	21	586	1,955	93	0
Mont-Joli	819	26	643	125	25	0
Montréal/Mirabel International	1,014	522	229	113	150	0
Nanaimo	2,315	39	525	1,671	80	0
Norman Wells	1,702	246	330	338	788	0
North Bay	2,199	91	881	536	691	0
Ottawa/Gatineau	2,016	20	63	1,742	191	0
Peace River	1,098	17	365	197	518	1
Penticton	1,558	58	458	483	559	0
Port Hardy	1,512	41	933	367	171	0
Prince Albert	1,539	18	1,326	139	56	0
Prince Rupert	267	45	164	30	28	0
Rankin Inlet	1,558	211	839	22	486	0
Red Deer Regional	3,290	88	424	2,689	89	0
Rouyn-Noranda	1,311	101	856	340	14	0
Saint John	1,340	132	856	289	63	0
Sept-Îles	3,169	74	1,827	610	658	0
Sioux Lookout	2,585	16	2,131	376	62	0
Smithers	1,057	13	582	240	222	0
St. Catharines	2,206	37	46	1,370	753	0
Sudbury	4,094	42	1,908	1,007	1,136	1
Terrace	1,426	26	710	148	542	0
Thompson	3,041	91	2,289	391	270	0
Timmins	2,758	13	2,078	326	341	0
Val-d'Or	1,637	130	775	565	167	0
Victoria Harbour	3,190	0	2,458	269	463	0
Wabush	2,663	63	1,718	434	448	0
Whitecourt	1,115	53	80	290	692	0
Williams Lake	1,301	8	628	243	422	0
Total of all flight service stations (51)	95,148	5,212	43,288	27,748	18,898	2

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	2,931	374	76	34	12	8	436	14	0	0
Boundary Bay	8,112	436	54	40	2	0	0	0	0	0
Calgary International	734	484	1,661	1,984	993	5,014	8,636	1,056	178	660
Calgary/Springbank	4,647	502	172	31	4	0	1	0	0	0
Chicoutimi/St-Honoré	1,432	100	118	8	0	2	0	0	0	0
Edmonton City Centre	2,290	386	1,430	354	97	38	0	0	0	0
Edmonton International	265	136	661	1,015	582	2,852	5,734	386	157	83
Edmonton/Villeneuve	954	43	38	26	0	0	0	0	0	0
Fort McMurray	3,834	1,346	1,176	424	116	877	534	102	0	0
Fredericton International	2,830	183	224	295	218	358	8	8	0	2
Gander International	994	75	56	535	293	342	125	44	4	27
Halifax/Robert L. Stanfield International	225	209	420	1,092	1,055	1,535	2,207	482	182	180
Hamilton	418	312	190	328	187	82	507	0	397	136
Kelowna	1,543	195	423	560	56	911	958	0	2	0
Kitchener/Waterloo	4,445	118	291	50	15	124	62	0	0	0
Langley	2,840	129	13	1	3	2	0	0	0	0
London	3,281	70	278	265	625	246	205	2	0	0
Moncton/Greater Moncton International	1,906	121	146	364	86	786	148	0	282	2
Montréal/Pierre Elliott Trudeau International	503	186	785	601	2,769	6,814	5,487	1,287	0	1,888
Montréal/St-Hubert	5,471	637	954	490	83	8	7	0	0	0
Oshawa	5,012	207	43	30	0	2	0	0	0	0
Ottawa/Macdonald-Cartier International	2,276	198	770	321	645	3,469	2,914	339	44	242
Pitt Meadows	3,828	388	4	0	0	0	0	0	0	0
Prince George	728	219	249	628	26	374	217	0	0	2
Québec/Jean Lesage International	3,654	461	1,131	662	1,271	2,258	141	2	0	58
Regina International	1,235	234	327	266	44	930	674	1	67	0
Saskatoon/John G. Diefenbaker International	1,674	351	743	750	275	1,175	917	8	41	0
Sault Ste. Marie	1,833	124	613	105	163	311	3	6	0	0
St. John's International	107	33	248	608	708	456	1,135	360	80	14
St-Jean	6,506	2	1	0	0	0	0	0	0	0
Thunder Bay	1,881	329	2,366	231	139	883	212	4	2	0
Toronto/Billy Bishop Toronto City	2,430	324	273	348	2	5,036	0	0	0	0
Toronto/Buttonville Municipal	7,062	372	380	65	10	9	0	0	0	0
Toronto/Lester B. Pearson International	22	180	367	1,984	3,521	8,567	14,925	4,737	246	4,233
Vancouver Harbour	313	3,983	507	8	0	0	0	0	0	0
Vancouver International	851	4,830	960	3,085	2,003	5,973	7,035	1,889	331	2,221
Victoria International	4,745	1,063	256	557	623	1,400	695	62	32	0
Whitehorse International	1,080	399	198	130	47	397	310	14	0	12
Windsor	1,365	56	99	77	144	336	64	0	0	0
Winnipeg/James Armstrong Richardson International	656	503	2,805	361	962	1,892	2,514	259	587	48
Winnipeg/St. Andrews	3,251	888	123	0	1	0	0	0	0	0
Yellowknife	950	781	903	384	275	949	535	174	0	0
Total of NAV CANADA towers (42)	101,114	21,967	22,532	19,097	18,055	54,416	57,346	11,236	2,632	9,808

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	612	74	185	28	22	2	6	4	0	0
Campbell River	1,197	151	48	432	268	8	1	0	0	0
Castlegar	143	86	42	63	8	215	1	0	0	0
Charlottetown	311	131	77	139	136	461	136	2	0	0
Churchill	204	53	111	30	140	457	0	0	0	0
Cranbrook	450	76	56	357	62	134	2	0	0	0
Deer Lake	101	68	50	473	622	143	286	0	0	0
Fort Nelson	1,762	237	1,008	557	157	115	113	0	0	0
Fort St. John	1,155	153	315	260	149	450	84	0	0	0
Grande Prairie	1,089	281	412	175	15	573	160	0	0	0
High Level	1,219	220	1,124	415	15	11	192	0	0	0
Îles-de-la-Madeleine	78	25	104	88	176	84	0	0	0	0
Inuvik/Mike Zubko	767	75	679	12	77	138	104	18	0	0
Iqaluit	138	55	538	210	269	355	219	18	18	48
Kamloops	1,166	169	275	260	131	520	79	0	0	0
Kenora	440	84	759	37	68	45	0	11	0	0
Kingston	1,204	74	94	192	225	25	0	2	0	0
Kuujjuaq	267	73	620	2	14	149	140	2	0	18
La Grande Rivière	45	60	173	4	48	308	104	0	0	0
La Ronge	202	324	675	147	285	396	0	0	0	0
Lethbridge	921	369	571	322	18	75	0	14	0	0
Lloydminster	565	51	180	130	6	2	0	0	0	0
Medicine Hat	2,000	42	279	322	6	6	0	0	0	0
Mont-Joli	95	55	201	294	103	71	0	0	0	0
Montréal/Mirabel International	223	88	15	89	2	112	33	3	283	166
Nanaimo	1,307	462	50	51	21	424	0	0	0	0
Norman Wells	887	272	206	56	9	61	201	10	0	0
North Bay	882	217	656	103	181	136	16	8	0	0
Ottawa/Gatineau	1,513	439	55	5	0	4	0	0	0	0
Peace River	449	163	435	36	10	3	2	0	0	0
Penticton	859	177	101	143	24	197	57	0	0	0
Port Hardy	189	328	534	131	324	6	0	0	0	0
Prince Albert	127	55	197	415	273	472	0	0	0	0
Prince Rupert	40	10	35	23	61	98	0	0	0	0
Rankin Inlet	285	222	140	12	268	463	168	0	0	0
Red Deer Regional	2,523	251	268	145	29	50	14	10	0	0
Rouyn-Noranda	350	0	364	43	297	185	72	0	0	0
Saint John	243	188	169	255	184	299	0	2	0	0
Sept-Îles	847	428	574	436	664	217	0	3	0	0
Sioux Lookout	133	334	1,304	724	84	6	0	0	0	0
Smithers	352	110	113	270	79	123	10	0	0	0
St. Catharines	2,001	110	57	18	10	10	0	0	0	0
Sudbury	972	648	1,486	308	333	343	0	4	0	0
Terrace	497	156	157	171	235	206	4	0	0	0
Thompson	318	347	1,336	52	285	703	0	0	0	0
Timmins	383	287	1,215	96	412	365	0	0	0	0
Val-d'Or	547	139	244	104	284	210	89	2	18	0
Victoria Harbour	50	2,355	780	4	1	0	0	0	0	0
Wabush	560	313	448	632	458	252	0	0	0	0
Whitecourt	937	64	64	13	0	37	0	0	0	0
Williams Lake	528	69	132	436	6	110	20	0	0	0
Total of all flight service stations (51)	34,133	11,218	19,711	9,720	7,554	9,835	2,313	113	319	232

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	3,763	455	2,188	137	908	59	16
Transborder	122	6	15	0	100	1	0
Other international	0	0	0	0	0	0	0
Total	3,885	461	2,203	137	1,008	60	16
Boundary Bay							
Domestic	8,488	13	1,293	5,323	1,830	25	4
Transborder	155	1	9	43	98	0	4
Other international	1	0	0	0	1	0	0
Total	8,644	14	1,302	5,366	1,929	25	8
Calgary International							
Domestic	17,220	14,667	907	435	1,015	124	72
Transborder	3,595	3,191	44	4	344	0	12
Other international	585	570	3	0	4	0	8
Total	21,400	18,428	954	439	1,363	124	92
Calgary/Springbank							
Domestic	5,217	20	405	2,928	1,743	47	74
Transborder	140	6	3	2	129	0	0
Other international	0	0	0	0	0	0	0
Total	5,357	26	408	2,930	1,872	47	74
Chicoutimi/St-Honoré							
Domestic	1,660	1,249	26	127	251	4	3
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,660	1,249	26	127	251	4	3
Edmonton City Centre							
Domestic	4,550	1,156	674	1,153	1,002	549	16
Transborder	45	4	2	2	37	0	0
Other international	0	0	0	0	0	0	0
Total	4,595	1,160	676	1,155	1,039	549	16
Edmonton International							
Domestic	10,461	9,467	230	83	637	1	43
Transborder	1,308	1,230	6	2	66	0	4
Other international	102	101	1	0	0	0	0
Total	11,871	10,798	237	85	703	1	47
Edmonton/Villeneuve							
Domestic	1,059	4	60	487	508	0	0
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,061	4	60	487	510	0	0
Fort McMurray							
Domestic	8,405	2,081	5,196	94	973	55	6
Transborder	4	0	1	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	8,409	2,081	5,197	94	976	55	6
Fredericton International							
Domestic	4,059	1,009	2,641	21	262	94	32
Transborder	63	21	6	0	36	0	0
Other international	4	0	0	0	0	0	4
Total	4,126	1,030	2,647	21	298	94	36
Gander International							
Domestic	2,039	1,681	76	8	85	92	97
Transborder	211	52	1	11	122	0	25
Other international	245	69	4	9	132	0	31
Total	2,495	1,802	81	28	339	92	153

Table 7-1 – continued**Itinerant movements, domestic, transborder and international — NAV CANADA towers**

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI		Civil	Military	
number							
Halifax/Robert L. Stanfield International							
Domestic	6,362	5,562	431	9	272	34	54
Transborder	1,027	907	4	1	107	0	8
Other international	198	173	1	2	4	0	18
Total	7,587	6,642	436	12	383	34	80
Hamilton							
Domestic	1,900	1,209	119	124	223	220	5
Transborder	612	477	29	0	104	2	0
Other international	45	33	2	0	9	1	0
Total	2,557	1,719	150	124	336	223	5
Kelowna							
Domestic	4,422	2,914	294	314	805	48	47
Transborder	223	144	6	0	72	0	1
Other international	3	3	0	0	0	0	0
Total	4,648	3,061	300	314	877	48	48
Kitchener/Waterloo							
Domestic	4,820	275	3,381	76	1,073	10	5
Transborder	282	116	36	0	127	0	3
Other international	3	1	0	0	2	0	0
Total	5,105	392	3,417	76	1,202	10	8
Langley							
Domestic	2,956	9	134	1,477	1,312	23	1
Transborder	32	0	1	0	31	0	0
Other international	0	0	0	0	0	0	0
Total	2,988	9	135	1,477	1,343	23	1
London							
Domestic	4,718	1,090	532	2,223	808	52	13
Transborder	252	137	3	2	110	0	0
Other international	2	2	0	0	0	0	0
Total	4,972	1,229	535	2,225	918	52	13
Moncton/Greater Moncton International							
Domestic	3,760	1,672	1,693	12	251	116	16
Transborder	81	63	0	0	18	0	0
Other international	0	0	0	0	0	0	0
Total	3,841	1,735	1,693	12	269	116	16
Montréal/Pierre Elliott Trudeau International							
Domestic	11,635	10,024	800	35	588	185	3
Transborder	6,306	5,866	130	15	290	0	5
Other international	2,379	2,341	18	3	15	0	2
Total	20,320	18,231	948	53	893	185	10
Montréal/St-Hubert							
Domestic	7,486	3,235	1,005	2,032	1,063	55	96
Transborder	163	19	8	7	128	1	0
Other international	1	0	0	0	1	0	0
Total	7,650	3,254	1,013	2,039	1,192	56	96
Oshawa							
Domestic	5,198	25	183	3,966	940	74	10
Transborder	88	14	6	1	67	0	0
Other international	8	1	0	1	6	0	0
Total	5,294	40	189	3,968	1,013	74	10
Ottawa/Macdonald-Cartier International							
Domestic	8,954	5,961	315	2,045	260	266	107
Transborder	2,107	1,977	16	6	97	6	5
Other international	157	141	4	0	2	0	10
Total	11,218	8,079	335	2,051	359	272	122

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	4,194	0	2,004	590	1,568	32	0
Transborder	26	0	1	1	24	0	0
Other international	0	0	0	0	0	0	0
Total	4,220	0	2,005	591	1,592	32	0
Prince George							
Domestic	2,409	1,184	578	40	526	68	13
Transborder	34	1	0	0	32	0	1
Other international	0	0	0	0	0	0	0
Total	2,443	1,185	578	40	558	68	14
Québec/Jean Lesage International							
Domestic	8,746	3,592	2,808	578	1,381	345	42
Transborder	810	672	9	12	116	0	1
Other international	82	67	4	2	6	0	3
Total	9,638	4,331	2,821	592	1,503	345	46
Regina International							
Domestic	3,378	1,811	801	41	566	130	29
Transborder	398	299	10	0	83	3	3
Other international	2	1	0	0	1	0	0
Total	3,778	2,111	811	41	650	133	32
Saskatoon/John G. Diefenbaker International							
Domestic	5,596	3,195	940	430	668	293	70
Transborder	338	263	6	2	58	9	0
Other international	0	0	0	0	0	0	0
Total	5,934	3,458	946	432	726	302	70
Sault Ste. Marie							
Domestic	3,074	1,105	68	1,510	305	49	37
Transborder	84	7	6	5	62	0	4
Other international	0	0	0	0	0	0	0
Total	3,158	1,112	74	1,515	367	49	41
St. John's International							
Domestic	3,310	2,644	353	0	102	170	41
Transborder	193	80	0	0	32	0	81
Other international	246	117	12	0	30	0	87
Total	3,749	2,841	365	0	164	170	209
St-Jean							
Domestic	6,507	10	262	126	3,112	0	2,997
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	6,509	10	262	126	3,114	0	2,997
Thunder Bay							
Domestic	5,968	3,467	287	1,588	420	166	40
Transborder	77	21	2	1	52	0	1
Other international	2	1	0	0	1	0	0
Total	6,047	3,489	289	1,589	473	166	41
Toronto/Billy Bishop Toronto City							
Domestic	6,659	3,615	1,002	1,409	612	18	3
Transborder	1,754	1,590	9	0	155	0	0
Other international	0	0	0	0	0	0	0
Total	8,413	5,205	1,011	1,409	767	18	3
Toronto/Buttonville Municipal							
Domestic	7,691	188	4,183	68	3,131	119	2
Transborder	204	21	29	3	151	0	0
Other international	3	2	0	0	1	0	0
Total	7,898	211	4,212	71	3,283	119	2

Table 7-1 – continued**Itinerant movements, domestic, transborder and international — NAV CANADA towers**

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI		Civil	Military	
number							
Toronto/Lester B. Pearson International							
Domestic	17,174	16,563	311	14	263	14	9
Transborder	16,189	15,357	173	9	644	0	6
Other international	5,419	5,373	26	1	18	0	1
Total	38,782	37,293	510	24	925	14	16
Vancouver Harbour							
Domestic	4,802	4,385	378	1	38	0	0
Transborder	9	8	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	4,811	4,393	378	1	39	0	0
Vancouver International							
Domestic	22,105	18,984	2,067	86	707	250	11
Transborder	5,304	4,946	22	17	316	0	3
Other international	1,769	1,760	3	2	4	0	0
Total	29,178	25,690	2,092	105	1,027	250	14
Victoria International							
Domestic	8,713	2,968	3,558	378	1,647	44	118
Transborder	720	406	26	2	284	0	2
Other international	0	0	0	0	0	0	0
Total	9,433	3,374	3,584	380	1,931	44	120
Whitehorse International							
Domestic	2,436	1,111	727	20	450	24	104
Transborder	139	8	3	0	119	0	9
Other international	12	11	0	0	1	0	0
Total	2,587	1,130	730	20	570	24	113
Windsor							
Domestic	2,035	604	1,041	6	378	2	4
Transborder	101	10	26	0	65	0	0
Other international	5	1	3	0	1	0	0
Total	2,141	615	1,070	6	444	2	4
Winnipeg/James Armstrong Richardson International							
Domestic	9,431	8,109	318	57	365	383	199
Transborder	1,151	984	13	3	136	1	14
Other international	5	3	0	0	1	0	1
Total	10,587	9,096	331	60	502	384	214
Winnipeg/St. Andrews							
Domestic	4,246	746	2,263	836	401	0	0
Transborder	17	0	3	3	11	0	0
Other international	0	0	0	0	0	0	0
Total	4,263	746	2,266	839	412	0	0
Yellowknife							
Domestic	4,941	3,480	598	66	451	160	186
Transborder	9	2	0	1	4	0	2
Other international	1	0	0	0	1	0	0
Total	4,951	3,482	598	67	456	160	188
Total of NAV CANADA towers (42)							
Domestic	262,547	141,539	47,130	30,953	33,900	4,400	4,625
Transborder	44,377	38,906	664	155	4,435	23	194
Other international	11,279	10,771	81	20	241	1	165
Total	318,203	191,216	47,875	31,128	38,576	4,424	4,984

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	841	135	275	37	344	21	29
Transborder	22	1	2	0	18	0	1
Other international	70	0	7	18	45	0	0
Total	933	136	284	55	407	21	30
Campbell River							
Domestic	1,967	635	317	338	637	36	4
Transborder	138	9	1	0	128	0	0
Other international	0	0	0	0	0	0	0
Total	2,105	644	318	338	765	36	4
Castlegar							
Domestic	539	283	112	45	83	4	12
Transborder	19	0	0	0	19	0	0
Other international	0	0	0	0	0	0	0
Total	558	283	112	45	102	4	12
Charlottetown							
Domestic	1,291	878	75	7	299	16	16
Transborder	100	64	0	0	36	0	0
Other international	2	1	0	1	0	0	0
Total	1,393	943	75	8	335	16	16
Churchill							
Domestic	991	700	89	4	184	12	2
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	995	700	89	4	188	12	2
Cranbrook							
Domestic	1,056	600	44	23	373	4	12
Transborder	81	1	2	0	78	0	0
Other international	0	0	0	0	0	0	0
Total	1,137	601	46	23	451	4	12
Deer Lake							
Domestic	1,738	1,488	84	0	49	108	9
Transborder	4	2	2	0	0	0	0
Other international	1	0	0	0	1	0	0
Total	1,743	1,490	86	0	50	108	9
Fort Nelson							
Domestic	3,948	516	3,069	6	277	4	76
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	3,949	516	3,069	6	278	4	76
Fort St. John							
Domestic	2,561	841	1,003	79	515	21	102
Transborder	5	1	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	2,566	842	1,003	79	519	21	102
Grande Prairie							
Domestic	2,703	1,185	804	141	563	10	0
Transborder	2	0	1	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	2,705	1,185	805	141	564	10	0
High Level							
Domestic	3,196	452	2,488	29	157	68	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	3,196	452	2,488	29	157	68	2

Table 7-2 – continued**Itinerant movements, domestic, transborder and international — NAV CANADA flight service stations**

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI		Civil	Military	
number							
Îles-de-la-Madeleine							
Domestic	549	387	44	3	76	39	0
Transborder	5	0	0	0	5	0	0
Other international	1	0	0	1	0	0	0
Total	555	387	44	4	81	39	0
Inuvik/Mike Zubko							
Domestic	1,865	1,196	441	15	57	84	72
Transborder	5	1	0	0	3	0	1
Other international	0	0	0	0	0	0	0
Total	1,870	1,197	441	15	60	84	73
Iqaluit							
Domestic	1,757	1,398	143	49	78	76	13
Transborder	13	7	0	0	5	0	1
Other international	98	42	1	9	42	0	4
Total	1,868	1,447	144	58	125	76	18
Kamloops							
Domestic	2,573	887	920	281	425	52	8
Transborder	27	4	0	1	22	0	0
Other international	0	0	0	0	0	0	0
Total	2,600	891	920	282	447	52	8
Kenora							
Domestic	1,312	404	452	199	165	54	38
Transborder	132	33	2	1	94	0	2
Other international	0	0	0	0	0	0	0
Total	1,444	437	454	200	259	54	40
Kingston							
Domestic	1,764	416	427	262	610	12	37
Transborder	51	10	9	0	32	0	0
Other international	1	0	0	0	0	0	1
Total	1,816	426	436	262	642	12	38
Kuujjuaq							
Domestic	1,282	926	203	41	68	40	4
Transborder	1	1	0	0	0	0	0
Other international	2	1	0	0	1	0	0
Total	1,285	928	203	41	69	40	4
La Grande Rivière							
Domestic	741	509	144	16	66	6	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	742	509	144	16	67	6	0
La Ronge							
Domestic	2,020	1,255	113	4	109	527	12
Transborder	9	1	0	0	3	5	0
Other international	0	0	0	0	0	0	0
Total	2,029	1,256	113	4	112	532	12
Lethbridge							
Domestic	2,149	440	106	877	645	14	67
Transborder	141	1	14	6	118	0	2
Other international	0	0	0	0	0	0	0
Total	2,290	441	120	883	763	14	69
Lloydminster							
Domestic	934	228	299	31	362	6	8
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	934	228	299	31	362	6	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	2,647	579	638	711	697	6	16
Transborder	8	0	0	0	6	0	2
Other international	0	0	0	0	0	0	0
Total	2,655	579	638	711	703	6	18
Mont-Joli							
Domestic	815	496	166	5	124	20	4
Transborder	4	4	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	819	500	166	5	124	20	4
Montréal/Mirabel International							
Domestic	793	491	54	32	183	0	33
Transborder	216	197	0	0	19	0	0
Other international	5	4	0	0	1	0	0
Total	1,014	692	54	32	203	0	33
Nanaimo							
Domestic	2,212	480	689	46	957	38	2
Transborder	102	14	0	0	88	0	0
Other international	1	0	0	0	1	0	0
Total	2,315	494	689	46	1,046	38	2
Norman Wells							
Domestic	1,701	696	768	8	84	49	96
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,702	696	768	8	85	49	96
North Bay							
Domestic	2,099	743	500	193	412	173	78
Transborder	98	13	8	1	75	0	1
Other international	2	1	0	0	1	0	0
Total	2,199	757	508	194	488	173	79
Ottawa/Gatineau							
Domestic	2,007	280	582	220	912	7	6
Transborder	9	0	1	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	2,016	280	583	220	920	7	6
Peace River							
Domestic	1,097	396	554	16	122	9	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,098	396	554	16	123	9	0
Penticton							
Domestic	1,534	359	577	54	466	8	70
Transborder	24	0	1	0	23	0	0
Other international	0	0	0	0	0	0	0
Total	1,558	359	578	54	489	8	70
Port Hardy							
Domestic	1,435	1,095	132	8	136	38	26
Transborder	77	1	0	0	76	0	0
Other international	0	0	0	0	0	0	0
Total	1,512	1,096	132	8	212	38	26
Prince Albert							
Domestic	1,539	1,273	60	2	94	101	9
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,539	1,273	60	2	94	101	9

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	242	178	14	0	45	4	1
Transborder	25	1	0	0	23	0	1
Other international	0	0	0	0	0	0	0
Total	267	179	14	0	68	4	2
Rankin Inlet							
Domestic	1,558	1,034	499	2	10	13	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,558	1,034	499	2	10	13	0
Red Deer Regional							
Domestic	3,265	338	1,942	168	707	20	90
Transborder	25	7	1	0	17	0	0
Other international	0	0	0	0	0	0	0
Total	3,290	345	1,943	168	724	20	90
Rouyn-Noranda							
Domestic	1,311	672	198	196	211	34	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,311	672	198	196	211	34	0
Saint John							
Domestic	1,251	748	48	42	399	7	7
Transborder	88	5	2	0	81	0	0
Other international	1	0	0	0	1	0	0
Total	1,340	753	50	42	481	7	7
Sept-Îles							
Domestic	3,143	1,409	1,204	45	334	145	6
Transborder	22	4	6	1	11	0	0
Other international	4	0	0	1	3	0	0
Total	3,169	1,413	1,210	47	348	145	6
Sioux Lookout							
Domestic	2,558	2,022	166	198	98	66	8
Transborder	27	4	0	1	22	0	0
Other international	0	0	0	0	0	0	0
Total	2,585	2,026	166	199	120	66	8
Smithers							
Domestic	1,051	539	297	33	163	17	2
Transborder	6	0	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	1,057	539	297	33	169	17	2
St. Catharines							
Domestic	2,115	7	1,380	44	676	8	0
Transborder	91	15	8	0	68	0	0
Other international	0	0	0	0	0	0	0
Total	2,206	22	1,388	44	744	8	0
Sudbury							
Domestic	4,052	1,606	1,095	677	407	258	9
Transborder	42	2	0	0	40	0	0
Other international	0	0	0	0	0	0	0
Total	4,094	1,608	1,095	677	447	258	9
Terrace							
Domestic	1,419	678	551	19	129	30	12
Transborder	7	0	0	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	1,426	678	551	19	136	30	12

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	3,032	2,221	448	2	58	303	0
Transborder	9	1	0	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	3,041	2,222	448	2	66	303	0
Timmins							
Domestic	2,752	1,885	333	112	232	187	3
Transborder	6	0	1	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	2,758	1,885	334	112	237	187	3
Val-d'Or							
Domestic	1,630	795	424	26	257	115	13
Transborder	6	0	3	0	1	2	0
Other international	1	1	0	0	0	0	0
Total	1,637	796	427	26	258	117	13
Victoria Harbour							
Domestic	2,746	2,671	8	0	6	60	1
Transborder	444	442	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	3,190	3,113	8	0	8	60	1
Wabush							
Domestic	2,652	1,675	605	48	273	47	4
Transborder	11	2	0	0	9	0	0
Other international	0	0	0	0	0	0	0
Total	2,663	1,677	605	48	282	47	4
Whitecourt							
Domestic	1,112	28	719	81	231	0	53
Transborder	3	0	2	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,115	28	721	81	232	0	53
Williams Lake							
Domestic	1,296	422	641	16	199	16	2
Transborder	5	0	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	1,301	422	641	16	204	16	2
Total of all flight service stations (51)							
Domestic	92,841	41,575	26,944	5,491	14,764	2,993	1,074
Transborder	2,118	848	66	11	1,175	7	11
Other international	189	50	8	30	96	0	5
Total	95,148	42,473	27,018	5,532	16,035	3,000	1,090

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	18	11,066	9	9	121	9	715
Boundary Bay	5	20,432	17	17	113	6	971
Calgary International	3	21,502	19	18	60	25	806
Calgary/Springbank	11	12,417	27	9	96	19	637
Chicoutimi/St-Honoré	32	5,084	10	9	62	13	351
Edmonton City Centre	33	5,051	26	15	39	19	260
Edmonton International	12	12,217	27	11	43	19	495
Edmonton/Villeneuve	37	3,925	6	13	51	22	261
Fort McMurray	21	9,141	12	19	47	16	449
Fredericton International	19	9,802	19	10	59	26	655
Gander International	39	3,855	11	11	51	14	468
Halifax/Robert L. Stanfield International	26	7,909	4	11	34	4	313
Hamilton	40	3,313	8	12	26	11	184
Kelowna	29	6,672	12	18	51	10	303
Kitchener/Waterloo	10	12,421	7	22	86	12	771
Langley	28	6,896	19	10	71	24	385
London	23	8,858	13	11	76	11	451
Moncton/Greater Moncton International	30	6,007	8	13	47	8	390
Montréal/Pierre Elliott Trudeau International	4	20,440	16	18	64	9	736
Montréal/St-Hubert	7	15,342	5	15	103	11	980
Oshawa	22	8,994	14	13	89	11	673
Ottawa/Macdonald-Cartier International	13	12,164	31	9	48	5	482
Pitt Meadows	17	11,076	5	12	81	7	603
Prince George	42	3,211	5	17	42	7	209
Québec/Jean Lesage International	9	13,496	10	11	70	20	578
Regina International	34	5,010	12	10	40	27	262
Saskatoon/John G. Diefenbaker International	24	8,424	22	9	61	27	430
Sault Ste. Marie	27	7,034	7	16	68	4	480
St. John's International	38	3,913	24	15	25	11	164
St-Jean	25	8,289	19	10	69	19	517
Thunder Bay	20	9,347	5	11	71	12	464
Toronto/Billy Bishop Toronto City	16	11,273	21	11	62	5	490
Toronto/Buttonville Municipal	6	17,788	12	9	99	10	962
Toronto/Lester B. Pearson International	1	38,894	20	18	105	16	1,382
Vancouver Harbour	35	4,823	25	17	30	19	209
Vancouver International	2	29,226	12	16	84	19	1,045
Victoria International	8	14,337	19	17	72	11	718
Whitehorse International	41	3,297	25	17	56	25	187
Windsor	36	3,961	14	13	49	12	345
Winnipeg/James Armstrong Richardson International	15	11,521	17	10	42	17	467
Winnipeg/St. Andrews	14	11,529	10	10	95	10	745
Yellowknife	31	5,615	12	17	41	18	315

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	26	1,910	16	17	39	16	156
Campbell River	18	2,889	7	17	40	4	160
Castlegar	49	626	13	9	23	13	41
Charlottetown	35	1,591	3	17	22	3	86
Churchill	46	1,019	10	9	16	10	64
Cranbrook	44	1,221	12	7	27	6	95
Deer Lake	29	1,833	2	12	27	25	121
Fort Nelson	6	4,053	24	9	34	24	335
Fort St. John	17	2,896	3	13	33	23	155
Grande Prairie	7	3,999	30	17	44	13	238
High Level	12	3,442	1	15	44	7	191
Îles-de-la-Madeleine	50	599	28	9	24	28	70
Inuvik/Mike Zubko	25	1,922	13	16	15	13	100
Iqaluit	27	1,886	5	16	16	6	94
Kamloops	3	4,986	27	10	55	4	239
Kenora	39	1,476	10	15	17	9	86
Kingston	21	2,808	11	10	37	11	193
Kuujuaq	34	1,625	2	16	27	2	128
La Grande Rivière	48	770	31	11	9	12	45
La Ronge	24	2,240	11	8	18	13	141
Lethbridge	10	3,500	22	12	74	22	451
Lloydminster	41	1,370	25	18	26	5	106
Medicine Hat	5	4,507	5	16	67	5	315
Mont-Joli	47	819	23	18	8	31	44
Montréal/Mirabel International	15	3,082	23	11	47	24	203
Nanaimo	9	3,509	1	13	45	25	224
Norman Wells	31	1,774	16	14	23	18	112
North Bay	8	3,815	6	9	50	6	228
Ottawa/Gatineau	2	6,258	30	17	65	19	432
Peace River	45	1,166	20	11	15	20	71
Penticton	23	2,408	18	16	45	18	169
Port Hardy	38	1,530	26	17	14	26	70
Prince Albert	36	1,564	26	15	18	20	95
Prince Rupert	51	267	15	14	7	13	21
Rankin Inlet	37	1,558	3	16	18	17	82
Red Deer Regional	1	7,088	18	13	84	19	592
Rouyn-Noranda	30	1,807	22	13	23	2	143
Saint John	33	1,664	25	17	22	25	97
Sept-Îles	11	3,443	16	12	29	13	158
Sioux Lookout	22	2,631	4	11	22	25	132
Smithers	42	1,355	13	15	45	15	132
St. Catharines	13	3,371	10	13	43	25	164
Sudbury	4	4,920	11	13	36	20	234
Terrace	32	1,698	31	16	41	6	108
Thompson	16	3,057	23	15	19	10	131
Timmins	20	2,824	19	11	21	2	128
Val-d'Or	28	1,863	6	19	25	5	123
Victoria Harbour	14	3,198	26	18	18	26	141
Wabush	19	2,825	14	11	45	5	143
Whitecourt	40	1,437	30	11	39	13	109
Williams Lake	43	1,331	18	16	33	18	153

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	30	3,885	9	17	27	6	199
Boundary Bay	10	8,644	4	17	46	6	447
Calgary International	3	21,400	19	18	60	25	804
Calgary/Springbank	19	5,357	27	9	36	19	279
Chicoutimi/St-Honoré	41	1,660	10	9	16	6	95
Edmonton City Centre	26	4,595	16	9	35	16	224
Edmonton International	5	11,871	12	7	40	19	475
Edmonton/Villeneuve	42	1,061	7	9	13	7	69
Fort McMurray	12	8,409	12	19	39	16	445
Fredericton International	29	4,126	31	18	27	20	202
Gander International	38	2,495	13	18	17	14	172
Halifax/Robert L. Stanfield International	15	7,587	26	20	27	9	274
Hamilton	37	2,557	8	12	24	11	124
Kelowna	25	4,648	31	10	28	31	213
Kitchener/Waterloo	21	5,105	9	15	31	11	273
Langley	35	2,988	29	15	22	29	154
London	22	4,972	28	11	27	10	221
Moncton/Greater Moncton International	31	3,841	19	12	20	10	198
Montréal/Pierre Elliott Trudeau International	4	20,320	16	18	64	13	732
Montréal/St-Hubert	14	7,650	14	11	55	11	452
Oshawa	20	5,294	14	13	59	14	402
Ottawa/Macdonald-Cartier International	6	11,218	19	11	37	11	440
Pitt Meadows	28	4,220	7	13	34	7	239
Prince George	39	2,443	5	16	17	13	112
Québec/Jean Lesage International	8	9,638	25	12	37	20	408
Regina International	32	3,778	27	14	20	27	184
Saskatoon/John G. Diefenbaker International	18	5,934	19	15	26	27	256
Sault Ste. Marie	34	3,158	4	12	17	4	146
St. John's International	33	3,749	10	11	17	11	154
St-Jean	16	6,509	30	14	54	30	466
Thunder Bay	17	6,047	12	10	33	12	288
Toronto/Billy Bishop Toronto City	11	8,413	29	14	38	5	342
Toronto/Buttonville Municipal	13	7,898	8	15	37	10	382
Toronto/Lester B. Pearson International	1	38,782	20	18	105	16	1,380
Vancouver Harbour	24	4,811	25	17	30	19	209
Vancouver International	2	29,178	12	16	84	19	1,039
Victoria International	9	9,433	26	13	44	26	433
Whitehorse International	36	2,587	25	17	28	25	139
Windsor	40	2,141	10	10	14	13	103
Winnipeg/James Armstrong Richardson International	7	10,587	24	14	34	20	421
Winnipeg/St. Andrews	27	4,263	11	9	29	10	217
Yellowknife	23	4,951	13	17	35	18	275

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	46	933	24	10	13	23	63
Campbell River	19	2,105	6	11	18	25	123
Castlegar	49	558	6	9	6	8	27
Charlottetown	34	1,393	21	11	11	21	62
Churchill	44	995	12	10	9	10	52
Cranbrook	39	1,137	12	7	27	12	89
Deer Lake	25	1,743	19	19	11	27	75
Fort Nelson	2	3,949	24	9	34	24	325
Fort St. John	14	2,566	14	10	26	10	145
Grande Prairie	9	2,705	19	17	20	19	126
High Level	4	3,196	20	10	27	13	185
Îles-de-la-Madeleine	50	555	2	13	7	25	30
Inuvik/Mike Zubko	22	1,870	13	16	15	13	92
Iqaluit	23	1,868	6	12	14	6	94
Kamloops	12	2,600	30	11	15	30	109
Kenora	32	1,444	3	15	12	9	82
Kingston	24	1,816	5	11	13	13	99
Kuujuaq	38	1,285	3	16	12	2	72
La Grande Rivière	48	742	31	11	9	12	41
La Ronge	20	2,029	11	8	16	13	129
Lethbridge	16	2,290	21	9	20	22	147
Lloydminster	45	934	6	12	9	5	68
Medicine Hat	11	2,655	23	18	29	23	218
Mont-Joli	47	819	23	18	8	31	44
Montréal/Mirabel International	43	1,014	12	8	8	19	56
Nanaimo	15	2,315	25	10	17	25	128
Norman Wells	26	1,702	16	14	23	18	110
North Bay	18	2,199	25	14	19	20	129
Ottawa/Gatineau	21	2,016	28	10	18	14	115
Peace River	41	1,098	20	9	13	13	61
Penticton	28	1,558	17	9	13	9	73
Port Hardy	31	1,512	26	17	14	26	70
Prince Albert	30	1,539	27	8	15	6	87
Prince Rupert	51	267	15	14	7	13	21
Rankin Inlet	29	1,558	3	16	18	17	82
Red Deer Regional	3	3,290	5	15	25	19	174
Rouyn-Noranda	36	1,311	3	11	10	5	67
Saint John	35	1,340	11	19	9	26	58
Sept-Îles	6	3,169	19	17	19	30	141
Sioux Lookout	13	2,585	25	16	16	25	130
Smithers	42	1,057	23	13	14	26	57
St. Catharines	17	2,206	16	11	19	8	113
Sudbury	1	4,094	12	18	22	18	201
Terrace	33	1,426	3	10	11	26	75
Thompson	7	3,041	23	15	19	10	129
Timmins	8	2,758	19	11	21	5	126
Val-d'Or	27	1,637	17	16	11	5	85
Victoria Harbour	5	3,190	26	18	18	26	141
Wabush	10	2,663	3	10	18	20	118
Whitecourt	40	1,115	29	17	21	29	100
Williams Lake	37	1,301	18	16	33	18	153

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	6	7,181	9	9	100	12	524
Boundary Bay	1	11,788	23	18	86	18	544
Calgary International	40	102	2	8	6	5	20
Calgary/Springbank	7	7,060	30	11	68	26	404
Chicoutimi/St-Honoré	16	3,424	12	11	52	13	282
Edmonton City Centre	34	456	3	9	22	2	48
Edmonton International	35	346	7	9	18	27	38
Edmonton/Villeneuve	18	2,864	6	13	44	22	208
Fort McMurray	31	732	5	11	18	5	64
Fredericton International	9	5,676	23	8	52	26	454
Gander International	25	1,360	9	11	40	14	296
Halifax/Robert L. Stanfield International	36	322	4	11	20	4	42
Hamilton	30	756	27	15	20	11	60
Kelowna	22	2,024	12	18	36	10	128
Kitchener/Waterloo	4	7,316	7	22	80	12	508
Langley	11	3,908	19	10	60	24	278
London	12	3,886	27	11	60	11	252
Moncton/Greater Moncton International	21	2,166	8	13	32	8	244
Montréal/Pierre Elliott Trudeau International	38	120	22	10	10	22	16
Montréal/St-Hubert	3	7,692	11	22	74	5	570
Oshawa	15	3,700	10	15	64	10	388
Ottawa/Macdonald-Cartier International	27	946	5	22	24	31	92
Pitt Meadows	8	6,856	31	22	72	10	386
Prince George	29	768	5	17	34	7	134
Québec/Jean Lesage International	14	3,858	10	11	50	9	214
Regina International	26	1,232	12	10	30	27	78
Saskatoon/John G. Diefenbaker International	20	2,490	22	9	48	27	174
Sault Ste. Marie	13	3,876	7	16	60	4	334
St. John's International	37	164	24	15	18	24	26
St-Jean	24	1,780	5	11	30	5	104
Thunder Bay	17	3,300	5	11	52	13	206
Toronto/Billy Bishop Toronto City	19	2,860	2	10	42	13	150
Toronto/Buttonville Municipal	2	9,890	18	22	78	18	582
Toronto/Lester B. Pearson International	39	112	22	16	10	15	12
Vancouver Harbour	42	12	27	16	4	27	4
Vancouver International	41	48	11	22	6	5	6
Victoria International	10	4,904	26	17	44	9	334
Whitehorse International	32	710	8	10	34	14	84
Windsor	23	1,820	12	15	40	12	248
Winnipeg/James Armstrong Richardson International	28	934	10	8	18	17	64
Winnipeg/St. Andrews	5	7,266	9	10	74	10	528
Yellowknife	33	664	12	17	20	12	60

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	12	977	16	17	38	16	128
Campbell River	15	784	7	17	30	4	80
Castlegar	35	68	13	9	22	13	26
Charlottetown	28	198	3	16	16	3	32
Churchill	44	24	10	9	12	10	12
Cranbrook	32	84	6	15	12	6	28
Deer Lake	31	90	2	12	24	25	60
Fort Nelson	30	104	18	17	18	18	22
Fort St. John	19	330	3	13	28	19	48
Grande Prairie	7	1,294	30	17	36	13	138
High Level	25	246	1	15	40	1	56
Îles-de-la-Madeleine	39	44	28	9	22	28	44
Inuvik/Mike Zubko	37	52	13	9	4	13	8
Iqaluit	45	18	5	16	8	5	8
Kamloops	3	2,386	27	10	50	21	150
Kenora	40	32	10	15	12	10	16
Kingston	11	992	11	10	30	11	102
Kuujuaq	18	340	4	11	20	4	66
La Grande Rivière	42	28	15	15	6	15	10
La Ronge	27	211	22	21	12	29	39
Lethbridge	8	1,210	21	14	64	22	304
Lloydminster	17	436	25	18	22	26	56
Medicine Hat	5	1,852	5	18	52	5	204
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	4	2,068	23	11	46	24	160
Nanaimo	9	1,194	1	13	38	1	116
Norman Wells	33	72	5	18	8	5	18
North Bay	6	1,616	25	16	42	6	148
Ottawa/Gatineau	1	4,242	30	17	62	19	362
Peace River	34	68	20	11	8	23	14
Penticton	13	850	18	16	34	4	98
Port Hardy	46	18	16	8	6	16	6
Prince Albert	43	25	26	15	10	26	10
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	2	3,798	18	13	64	19	418
Rouyn-Noranda	16	496	22	13	18	2	84
Saint John	20	324	25	17	16	25	44
Sept-Îles	23	274	20	15	20	20	32
Sioux Lookout	38	46	4	11	14	4	14
Smithers	22	298	13	15	44	15	88
St. Catharines	10	1,165	10	13	36	25	72
Sudbury	14	826	11	21	22	8	66
Terrace	24	272	31	16	36	6	46
Thompson	47	16	2	12	4	2	6
Timmins	36	66	2	23	12	2	28
Val-d'Or	26	226	6	19	16	5	38
Victoria Harbour	48	8	5	19	2	5	4
Wabush	29	162	14	11	38	14	38
Whitecourt	21	322	30	11	36	13	48
Williams Lake	41	30	24	20	10	24	10

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	6	7,181	9	9	100	12	524
Boundary Bay	1	11,788	23	18	86	18	544
Calgary International	40	100	2	8	6	5	20
Calgary/Springbank	7	7,060	30	11	68	26	404
Chicoutimi/St-Honoré	16	3,416	12	11	52	13	282
Edmonton City Centre	34	450	3	9	22	2	48
Edmonton International	35	336	7	9	18	7	36
Edmonton/Villeneuve	19	2,860	6	13	44	22	208
Fort McMurray	31	728	5	11	18	5	64
Fredericton International	9	5,672	23	8	52	26	454
Gander International	25	1,360	9	11	40	14	296
Halifax/Robert L. Stanfield International	36	318	4	11	20	4	42
Hamilton	30	754	27	15	20	11	60
Kelowna	22	2,012	12	18	36	10	128
Kitchener/Waterloo	4	7,316	7	22	80	12	508
Langley	11	3,908	19	10	60	24	278
London	12	3,886	27	11	60	11	252
Moncton/Greater Moncton International	21	2,162	8	13	32	8	244
Montréal/Pierre Elliott Trudeau International	38	120	22	10	10	22	16
Montréal/St-Hubert	3	7,690	11	22	74	5	570
Oshawa	15	3,700	10	15	64	10	388
Ottawa/Macdonald-Cartier International	27	944	5	22	24	31	92
Pitt Meadows	8	6,856	31	22	72	10	386
Prince George	29	764	5	17	34	7	134
Québec/Jean Lesage International	14	3,850	10	11	50	9	214
Regina International	26	992	30	14	26	27	72
Saskatoon/John G. Diefenbaker International	20	2,388	22	9	48	20	162
Sault Ste. Marie	13	3,860	7	16	60	4	334
St. John's International	37	164	24	15	18	24	26
St-Jean	24	1,780	5	11	30	5	104
Thunder Bay	17	3,280	5	11	52	13	206
Toronto/Billy Bishop Toronto City	18	2,860	2	10	42	13	150
Toronto/Buttonville Municipal	2	9,890	18	22	78	18	582
Toronto/Lester B. Pearson International	39	112	22	16	10	15	12
Vancouver Harbour	42	12	27	16	4	27	4
Vancouver International	41	48	11	22	6	5	6
Victoria International	10	4,900	26	17	44	9	334
Whitehorse International	32	668	8	10	34	14	84
Windsor	23	1,808	12	15	40	12	248
Winnipeg/James Armstrong Richardson International	28	928	10	8	18	17	64
Winnipeg/St. Andrews	5	7,266	9	10	74	10	528
Yellowknife	33	658	12	17	20	12	58

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	12	971	16	17	38	16	128
Campbell River	15	778	7	17	30	4	80
Castlegar	36	62	13	9	22	13	26
Charlottetown	28	188	3	16	16	3	32
Churchill	43	24	10	9	12	10	12
Cranbrook	32	84	6	15	12	6	28
Deer Lake	31	90	2	12	24	25	60
Fort Nelson	30	104	18	17	18	18	22
Fort St. John	19	330	3	13	28	19	48
Grande Prairie	7	1,294	30	17	36	13	138
High Level	25	246	1	15	40	1	56
Îles-de-la-Madeleine	39	44	28	9	22	28	44
Inuvik/Mike Zubko	37	48	13	9	4	13	8
Iqaluit	45	18	5	16	8	5	8
Kamloops	3	2,386	27	10	50	21	150
Kenora	44	20	10	15	6	10	8
Kingston	11	988	11	10	30	11	98
Kuujuaq	18	340	4	11	20	4	66
La Grande Rivière	41	28	15	15	6	15	10
La Ronge	27	209	22	21	12	29	39
Lethbridge	10	1,142	21	14	54	22	286
Lloydminster	17	436	25	18	22	26	56
Medicine Hat	5	1,824	5	18	52	5	204
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	4	2,012	23	11	40	24	160
Nanaimo	8	1,194	1	13	38	1	116
Norman Wells	34	66	5	18	8	5	18
North Bay	6	1,598	25	16	42	6	148
Ottawa/Gatineau	1	4,242	30	17	62	19	362
Peace River	33	68	20	11	8	23	14
Penticton	13	850	18	16	34	4	98
Port Hardy	46	18	16	8	6	16	6
Prince Albert	42	25	26	15	10	26	10
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	2	3,798	18	13	64	19	418
Rouyn-Noranda	16	496	22	13	18	2	84
Saint John	20	324	25	17	16	25	44
Sept-Îles	23	274	20	15	20	20	32
Sioux Lookout	38	46	4	11	14	4	14
Smithers	22	298	13	15	44	15	88
St. Catharines	9	1,165	10	13	36	25	72
Sudbury	14	826	11	21	22	8	66
Terrace	24	272	31	16	36	6	46
Thompson	47	16	2	12	4	2	6
Timmins	35	66	2	23	12	2	28
Val-d'Or	26	226	6	19	16	5	38
Victoria Harbour	48	8	5	19	2	5	4
Wabush	29	162	14	11	38	14	38
Whitecourt	21	322	30	11	36	13	48
Williams Lake	40	30	24	20	10	24	10

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	21	2	19	14	2	19	2
Calgary/Springbank	0	0	0	0	0	0	0
Chicoutimi/St-Honoré	10	8	1	14	8	1	8
Edmonton City Centre	11	6	7	15	2	7	2
Edmonton International	8	10	19	9	2	19	6
Edmonton/Villeneuve	20	4	2	10	4	2	4
Fort McMurray	16	4	11	11	2	11	2
Fredericton International	15	4	16	19	4	16	4
Gander International	0	0	0	0	0	0	0
Halifax/Robert L. Stanfield International	14	4	18	13	2	18	2
Hamilton	22	2	1	17	2	1	2
Kelowna	6	12	2	12	6	2	6
Kitchener/Waterloo	0	0	0	0	0	0	0
Langley	0	0	0	0	0	0	0
London	0	0	0	0	0	0	0
Moncton/Greater Moncton International	17	4	5	9	2	5	4
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	24	2	11	14	2	11	2
Oshawa	0	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	23	2	3	11	2	3	2
Pitt Meadows	0	0	0	0	0	0	0
Prince George	18	4	20	18	4	20	4
Québec/Jean Lesage International	9	8	4	11	2	4	2
Regina International	1	240	20	22	22	20	26
Saskatoon/John G. Diefenbaker International	2	102	29	22	16	29	24
Sault Ste. Marie	5	16	12	20	6	12	6
St. John's International	0	0	0	0	0	0	0
St-Jean	0	0	0	0	0	0	0
Thunder Bay	4	20	31	12	8	31	12
Toronto/Billy Bishop Toronto City	0	0	0	0	0	0	0
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	19	4	10	11	4	10	4
Whitehorse International	3	42	25	17	28	25	36
Windsor	7	12	4	18	12	4	12
Winnipeg/James Armstrong Richardson International	12	6	11	16	4	11	4
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	13	6	13	18	4	13	4

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	7	6	26	16	6	26	6
Campbell River	10	6	3	10	2	3	2
Castlegar	8	6	6	11	4	6	4
Charlottetown	6	10	16	18	4	16	4
Churchill	0	0	0	0	0	0	0
Cranbrook	0	0	0	0	0	0	0
Deer Lake	0	0	0	0	0	0	0
Fort Nelson	0	0	0	0	0	0	0
Fort St. John	0	0	0	0	0	0	0
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	11	4	16	17	2	16	2
Iqaluit	0	0	0	0	0	0	0
Kamloops	0	0	0	0	0	0	0
Kenora	5	12	10	15	6	10	8
Kingston	12	4	11	18	4	11	4
Kuujuaq	0	0	0	0	0	0	0
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	13	2	15	15	2	15	2
Lethbridge	1	68	22	12	18	21	26
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	3	28	23	10	12	23	18
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	2	56	23	15	8	23	14
Nanaimo	0	0	0	0	0	0	0
Norman Wells	9	6	16	11	4	16	4
North Bay	4	18	20	11	12	20	16
Ottawa/Gatineau	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	0
Penticton	0	0	0	0	0	0	0
Port Hardy	0	0	0	0	0	0	0
Prince Albert	0	0	0	0	0	0	0
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	0	0	0	0	0	0	0
Rouyn-Noranda	0	0	0	0	0	0	0
Saint John	0	0	0	0	0	0	0
Sept-Îles	0	0	0	0	0	0	0
Sioux Lookout	0	0	0	0	0	0	0
Smithers	0	0	0	0	0	0	0
St. Catharines	0	0	0	0	0	0	0
Sudbury	0	0	0	0	0	0	0
Terrace	0	0	0	0	0	0	0
Thompson	0	0	0	0	0	0	0
Timmins	0	0	0	0	0	0	0
Val-d'Or	0	0	0	0	0	0	0
Victoria Harbour	0	0	0	0	0	0	0
Wabush	0	0	0	0	0	0	0
Whitecourt	0	0	0	0	0	0	0
Williams Lake	0	0	0	0	0	0	0

Methodology

Survey universe

Coverage

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

Methodology survey

The Itinerant movement record is designed to capture:

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

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

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

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

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

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

Other parameter files information includes registered aircraft identifications and their corresponding aircraft types, 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.