

Catalogue no. 51-007-X

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



January 2014

 Statistics Canada Statistique Canada

Canada

How to obtain more information

For information about this product or the wide range of services and data available from Statistics Canada, visit our website, www.statcan.gc.ca.

You can also contact us by

e-mail at infostats@statcan.gc.ca

telephone, from Monday to Friday, 8:30 a.m. to 4:30 p.m., at the following toll-free numbers:

- Statistical Information Service 1-800-263-1136
- National telecommunications device for the hearing impaired 1-800-363-7629
- Fax line 1-877-287-4369

Depository Services Program

- Inquiries line 1-800-635-7943
- Fax line 1-800-565-7757

To access this product

This product, Catalogue no. 51-007-X, is available free in electronic format. To obtain a single issue, visit our website, www.statcan.gc.ca and browse by "Key resource" > "Publications."

Standards of service to the public

Statistics Canada is committed to serving its clients in a prompt, reliable and courteous manner. To this end, this agency has developed standards of service that its employees observe. To obtain a copy of these service standards, please contact Statistics Canada toll-free at 1-800-263-1136. The service standards are also published at www.statcan.gc.ca under "About us" > "The agency" > "Providing services to Canadians."

Statistics Canada
Transportation Division

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

January 2014

Published by authority of the Minister responsible for Statistics Canada

© Minister of Industry, 2014 and the © Minister of Transport, 2014

All rights reserved. Use of this publication is governed by the Statistics Canada
Open License Agreement.

<http://www.statcan.gc.ca/reference/licence-eng.html>

April 2014

Catalogue no. 51-007-X

ISSN 1911-6314

Frequency: Monthly

Ottawa

Cette publication est également disponible en français.

Note of appreciation

Canada owes the success of its statistical system to a long-standing partnership between Statistics Canada, the citizens of Canada, its businesses, governments and other institutions. Accurate and timely statistical information could not be produced without their continued cooperation and goodwill.

User information

Symbols

The following standard symbols are used in Statistics Canada publications:

- . not available for any reference period
- .. not available for a specific reference period
- ... not applicable
- 0 true zero or a value rounded to zero
- 0^s value rounded to 0 (zero) where there is a meaningful distinction between true zero and the value that was rounded
- p preliminary
- r revised
- x suppressed to meet the confidentiality requirements of the *Statistics Act*
- E use with caution
- F too unreliable to be published
- * significantly different from reference category ($p < 0.05$)

Acknowledgements

Statistics Canada would like to thank all of the respondents and data suppliers whose participation has enabled us to provide the statistical information contained in this publication.

The information found in this publication could not have been produced if not for the cooperation of our respondents and data suppliers.

This publication was prepared by the Aviation Statistics Centre, of the Transportation Division, Statistics Canada under the general direction of **Antoine Rose**, Assistant Director, Transportation Division and **Ed Hamilton**, Chief, Aviation Statistics Centre. **Kathie Davidson**, **Conrad Ogrodnik**, **John Scolli** and **Bev Pomfret** contributed to the preparation of this publication.

Table of contents

Highlights	5
Analysis	6
Related products	7
Statistical tables	
1 Total aircraft movements by class of operation	11
1-1 NAV CANADA towers	11
1-2 NAV CANADA flight service stations	12
2 Total aircraft movements, civil and military	13
2-1 NAV CANADA towers	13
2-2 NAV CANADA flight service stations	14
3 Itinerant movements by type of operator	15
3-1 NAV CANADA towers	15
3-2 NAV CANADA flight service stations	16
4 Itinerant movements by I.F.R. (Instrument flight rules) and V.F.R. (Visual flight rules) and runway 88 movements	17
4-1 NAV CANADA towers	17
4-2 NAV CANADA flight service stations	18
5 Itinerant movements by type of power plant	19
5-1 NAV CANADA towers	19
5-2 NAV CANADA flight service stations	20
6 Itinerant movements by aircraft weight group	21
6-1 NAV CANADA towers	21
6-2 NAV CANADA flight service stations	22
7 Itinerant movements, domestic, transborder and international	23
7-1 NAV CANADA towers	23
7-2 NAV CANADA flight service stations	27

Table of contents – continued

8	Total aircraft movements, peak hour and peak day	32
8-1	NAV CANADA towers	32
8-2	NAV CANADA flight service stations	33
9	Itinerant aircraft movements, peak hour and peak day	34
9-1	NAV CANADA towers	34
9-2	NAV CANADA flight service stations	35
10	Local movements, peak hour and peak day	36
10-1	NAV CANADA towers	36
10-2	NAV CANADA flight service stations	37
11	Local movements - civil, peak hour and peak day	38
11-1	NAV CANADA towers	38
11-2	NAV CANADA flight service stations	39
12	Local movements - military, peak hour and peak day	40
12-1	NAV CANADA towers	40
12-2	NAV CANADA flight service stations	41

Data quality, concepts and methodology

Methodology	42
Data quality and limitations	44

Appendix

I	Factors influencing the data	45
II	Glossary of terms	46

Highlights

Aircraft take-offs and landings at Canadian airports with NAV CANADA air traffic control towers and flight service stations decreased 4.0% in January 2014 from the same month the previous year. These 92 airports reported 345,089 movements in January 2014 compared with 359,485 movements at 93 airports in January 2013. The decline can be partially attributed to the extreme cold in January 2014 and the closing of Edmonton City Centre Airport in November 2013.

Itinerant movements (flights from one airport to another) decreased 3.4% (-9,320 movements) in January 2014 from the same month the previous year. These airports reported 266,005 movements compared with 275,325 movements in January 2013.

There were 79,084 local movements (flights that remain in the vicinity of the airport) in January 2014 compared with 84,160 movements in January 2013 (a decrease of 6.0 %).

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, January 2013 to January 2014	number	Percentage change, January 2013 to January 2014	number	Percentage change, January 2013 to January 2014
Grand total	280,815	-4.2	64,274	-3.2	345,089	-4.0
Itinerant movements						
Air carriers	185,809	-3.0	40,879	-3.7	226,688	-3.1
Other commercial movements	12,288	-4.3	2,269	11.1	14,557	-2.2
Private movements	14,059	-6.9	4,436	-2.3	18,495	-5.8
Government civil movements	3,394	-3.5	1,348	2.0	4,742	-2.0
Government military movements	1,289	-19.3	234	-36.1	1,523	-22.4
Itinerant total	216,839	-3.5	49,166	-3.0	266,005	-3.4
Local movements						
Civil local movements	63,582	-6.7	15,022	-3.8	78,604	-6.1
Military local movements	394	8.8	86	43.3	480	13.7
Local total	63,976	-6.6	15,108	-3.6	79,084	-6.0

Analysis

Aircraft take-offs and landings at Canadian airports with NAV CANADA air traffic control towers and flight service stations decreased 4.0% in January 2014 from the same month the previous year. These 92 airports reported 345,089 movements in January 2014 compared with 359,485 movements at 93 airports in January 2013. The decline can be partially attributed to the extreme cold in January 2014 and the closing of Edmonton City Centre Airport, Alberta in November 2013.

On January 7th, 2014, Toronto/Lester B. Pearson International Airport, Ontario experienced a ground stop for approximately eight hours caused by the deep freeze. This contributed to a 3.8% drop in the number of movements from January 2013.

Itinerant movements (flights from one airport to another) decreased 3.4% (-9,320 movements) in January 2014 from the same month the previous year. These airports reported 266,005 movements compared with 275,325 movements in January 2013. Year-over-year variations ranged from an increase of 1,608 movements (+13.1%) at Edmonton International, Alberta to a drop of 1,524 movements (-61.5%) at Toronto/Buttonville Municipal, Ontario. Fifty-four airports reported year-over-year decreases in the number of itinerant aircraft movements in January 2014.

In January 2014, there were 79,084 local movements (flights that remain in the vicinity of the airport) recorded. This represents a decrease of 6.0% (-5,076 movements) compared with the previous year. Calgary/Springbank, Alberta (6,870 movements) and Victoria International, British Columbia (5,570 movements) recorded the largest number of local movements.

Itinerant movements: domestic, transborder and international

There were 212,211 domestic itinerant movements reported by 92 Canadian airports with NAV CANADA air traffic control towers and flight service stations in January 2014, down 4.2% (-9,342 movements) from January 2013. Year-over-year variations ranged from an increase of 1,507 movements (+14.3%) at Edmonton International, Alberta to a drop of 1,484 movements (-62.7%) at Toronto/Buttonville Municipal, Ontario. Sixty airports reported year-over-year decreases in the number of domestic movements in January 2014.

Seventy-two airports recorded 38,285 transborder itinerant movements (between Canada and the United States) in January 2014, decreasing from 40,839 movements the same month in 2013. Toronto/Lester B. Pearson International, Ontario (14,378 movements) reported the greatest number of transborder itinerant movements.

In January 2014, seventy-nine airports reported 15,509 other international itinerant movements, up 19.9% from January 2013. Toronto/Lester B. Pearson International, Ontario, recorded 5,967 other international itinerant movements.

Related products

Selected publications from Statistics Canada

51-008-X	Aircraft Movement Statistics: Airports Without Air Traffic Control Towers (TP 141)
51-203-X	Air Carrier Traffic at Canadian Airports
51-206-X	Canadian Civil Aviation
51-209-X	Aircraft Movement Statistics: NAV CANADA Towers and Flight Service Stations: Annual Report (TP 577)
51-210-X	Aircraft Movement Statistics: Airports Without Air Traffic Control Towers: Annual Report (TP 577)

Selected CANSIM tables from Statistics Canada

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

401-0018	Itinerant movements, by type of power plant, airports with NAV CANADA flight service stations, monthly
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
401-0021	Monthly aircraft movements, by class of operation and type of operation, airports without air traffic control towers
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
401-0024	Aircraft movements, by civil and military movements, airports with NAV CANADA towers, annual
401-0025	Itinerant movements, by type of operation, airports with NAV CANADA towers, annual
401-0026	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA towers, annual
401-0027	Itinerant movements, by type of power plant, airports with NAV CANADA towers, annual
401-0028	Itinerant movements, by aircraft maximum take-off weight, airports with NAV CANADA towers, annual
401-0029	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA towers, annual
401-0030	Aircraft movements, by class of operation, airports with NAV CANADA flight service stations, annual
401-0031	Aircraft movements, by civil and military movements, airports with NAV CANADA flight service stations, annual
401-0032	Itinerant movements, by type of operation, airports with NAV CANADA flight service stations, annual
401-0033	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA flight service stations, annual
401-0034	Itinerant movements, by type of power plant, airports with NAV CANADA flight service stations, annual

401-0035	Itinerant movements, by aircraft maximum take-off weight, airports with NAV CANADA flight service stations, annual
401-0036	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA flight service stations, annual
401-0037	Annual aircraft movements, by class of operation and type of operation, airports without air traffic control towers
401-0038	Annual itinerant movements, by weight group and type of power plant, airports without air traffic control towers

Selected surveys from Statistics Canada

2715	Aircraft Movement Statistics
------	------------------------------

Selected summary tables from Statistics Canada

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

Statistical tables

Table 1-1
Total aircraft movements by class of operation — NAV CANADA towers

	Total		Itinerant		Local	
	Rank of movements	Number of movements	Rank of movements	Number of movements	Rank of movements	Number of movements
Abbotsford	10	8,192	21	2,892	3	5,300
Boundary Bay	15	6,614	24	2,658	4	3,956
Calgary International	3	20,631	3	20,527	38	104
Calgary/Springbank	6	11,353	13	4,483	1	6,870
Chicoutimi/St-Honoré	39	1,209	40	385	23	824
Edmonton International	5	14,417	5	13,915	28	502
Edmonton/Villeneuve	27	3,522	37	944	9	2,578
Fort McMurray	22	4,154	15	3,882	33	272
Fredericton International	14	6,850	18	3,290	5	3,560
Gander International	33	2,426	33	1,456	21	970
Halifax/Robert L. Stanfield International	17	5,828	9	5,642	35	186
Hamilton	35	2,040	29	1,698	30	342
Kelowna	19	5,522	16	3,844	16	1,678
Kitchener/Waterloo	20	4,525	27	1,955	10	2,570
Langley	29	3,386	32	1,466	13	1,920
London	24	4,008	25	2,228	15	1,780
Moncton/Greater Moncton International	25	3,889	23	2,669	18	1,220
Montréal/Pierre Elliott Trudeau International	4	17,564	4	17,520	40	44
Montréal/St-Hubert	18	5,768	22	2,844	6	2,924
Oshawa	37	1,459	39	747	25	712
Ottawa/Macdonald-Cartier International	7	11,315	6	9,065	12	2,250
Pitt Meadows	26	3,693	34	1,267	11	2,426
Prince George	32	2,515	28	1,761	24	754
Québec/Jean Lesage International	16	6,528	11	5,350	20	1,178
Regina International	23	4,140	17	3,314	22	826
Saskatoon/John G. Diefenbaker International	13	6,885	12	5,047	14	1,838
Sault Ste. Marie	31	2,959	30	1,557	17	1,402
St. John's International	30	3,156	20	3,010	36	146
St-Jean	41	601	41	203	29	398
Thunder Bay	11	6,982	14	4,294	7	2,688
Toronto/Billy Bishop Toronto City	12	6,978	8	5,768	19	1,210
Toronto/Butterville Municipal	36	1,461	36	955	27	506
Toronto/Lester B. Pearson International	1	34,451	1	34,339	37	112
Vancouver Harbour	34	2,043	26	2,039	41	4
Vancouver International	2	22,924	2	22,844	39	80
Victoria International	8	11,193	10	5,623	2	5,570
Whitehorse International	40	1,158	38	856	32	302
Windsor	38	1,276	35	1,022	34	254
Winnipeg/James Armstrong Richardson International	9	9,555	7	8,849	26	706
Winnipeg/St. Andrews	21	4,195	31	1,515	8	2,680
Yellowknife	28	3,450	19	3,116	31	334
Total of NAV CANADA towers (41)	.	280,815	.	216,839	.	63,976

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	40	592	47	333	17	259
Campbell River	14	1,520	20	1,004	9	516
Castlegar	50	271	51	227	36	44
Charlottetown	37	655	35	569	26	86
Churchill	38	615	33	593	41	22
Cranbrook	32	899	27	849	32	50
Deer Lake	19	1,409	13	1,305	24	104
Fort Nelson	31	992	22	946	34	46
Fort St. John	15	1,512	12	1,312	20	200
Grande Prairie	1	3,527	1	2,279	3	1,248
High Level	48	394	46	374	42	20
Îles-de-la-Madeleine	49	350	48	330	43	20
Inuvik/Mike Zubko	44	536	40	520	44	16
Iqaluit	23	1,177	17	1,151	38	26
Kamloops	5	2,416	7	1,646	7	770
Kenora	33	745	34	585	22	160
Kingston	28	1,075	28	785	16	290
Kuujuuaq	35	677	31	669	47	8
La Grande Rivière	45	524	42	516	48	8
La Ronge	17	1,459	14	1,303	23	156
Lethbridge	20	1,336	21	968	13	368
Lloydminster	30	1,038	30	688	14	350
Medicine Hat	22	1,317	23	930	11	387
Mont-Joli	46	512	43	504	49	8
Montréal/Mirabel International	6	2,410	26	856	2	1,554
Nanaimo	11	1,799	11	1,361	10	438
Norman Wells	36	664	32	612	31	52
North Bay	2	3,513	16	1,165	1	2,348
Ottawa/Gatineau	12	1,542	45	434	5	1,108
Peace River	41	591	36	563	37	28
Penticton	26	1,097	38	525	8	572
Port Hardy	47	500	44	440	30	60
Prince Albert	16	1,504	9	1,444	29	60
Prince Rupert	51	266	50	266	0	0
Rankin Inlet	34	714	29	700	45	14
Red Deer Regional	3	2,611	8	1,471	4	1,140
Rouyn-Noranda	27	1,076	19	1,052	39	24
Saint John	24	1,163	24	917	19	246
Sept-Îles	10	1,879	6	1,789	25	90
Sioux Lookout	7	2,341	2	2,269	28	72
Smithers	39	597	41	519	27	78
St. Catharines	42	572	49	316	18	256
Sudbury	4	2,416	5	2,040	12	376
Terrace	13	1,525	15	1,191	15	334
Thompson	8	2,264	3	2,216	33	48
Timmins	9	2,167	4	2,123	35	44
Val-d'Or	29	1,061	25	875	21	186
Victoria Harbour	18	1,451	10	1,443	46	8
Wabush	25	1,135	18	1,131	50	4
Whitecourt	21	1,322	37	540	6	782
Williams Lake	43	546	39	522	40	24
Total of all flight service stations (51)	.	64,274	.	49,166	.	15,108

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	8,142	2,272	576	5,294	50	44	6
Boundary Bay	6,584	1,689	939	3,956	30	30	0
Calgary International	20,616	19,348	1,164	104	15	15	0
Calgary/Springbank	11,345	3,582	893	6,870	8	8	0
Chicoutimi/St-Honoré	1,194	344	40	810	15	1	14
Edmonton International	14,387	12,728	1,163	496	30	24	6
Edmonton/Villeneuve	3,522	639	305	2,578	0	0	0
Fort McMurray	4,154	3,311	571	272	0	0	0
Fredericton International	6,804	3,128	122	3,554	46	40	6
Gander International	2,319	1,204	145	970	107	107	0
Halifax/Robert L. Stanfield International	5,734	5,354	206	174	94	82	12
Hamilton	2,040	1,528	170	342	0	0	0
Kelowna	5,516	3,448	392	1,676	6	4	2
Kitchener/Waterloo	4,523	1,649	304	2,570	2	2	0
Langley	3,378	762	696	1,920	8	8	0
London	3,996	1,948	270	1,778	12	10	2
Moncton/Greater Moncton International	3,881	2,498	171	1,212	8	0	8
Montréal/Pierre Elliott Trudeau International	17,558	16,532	984	42	6	4	2
Montréal/St-Hubert	5,733	2,174	635	2,924	35	35	0
Oshawa	1,451	495	244	712	8	8	0
Ottawa/Macdonald-Cartier International	11,182	8,544	394	2,244	133	127	6
Pitt Meadows	3,691	460	805	2,426	2	2	0
Prince George	2,510	1,514	242	754	5	5	0
Québec/Jean Lesage International	6,496	4,788	536	1,172	32	26	6
Regina International	3,853	2,943	308	602	287	63	224
Saskatoon/John G. Diefenbaker International	6,742	4,386	616	1,740	143	45	98
Sault Ste. Marie	2,955	1,475	78	1,402	4	4	0
St. John's International	3,048	2,642	260	146	108	108	0
St-Jean	577	63	116	398	24	24	0
Thunder Bay	6,960	3,956	316	2,688	22	22	0
Toronto/Billy Bishop Toronto City	6,975	5,606	159	1,210	3	3	0
Toronto/Buttonville Municipal	1,461	617	338	506	0	0	0
Toronto/Lester B. Pearson International	34,449	33,336	1,001	112	2	2	0
Vancouver Harbour	2,043	2,027	12	4	0	0	0
Vancouver International	22,911	22,261	570	80	13	13	0
Victoria International	11,080	4,741	771	5,568	113	111	2
Whitehorse International	1,158	714	142	302	0	0	0
Windsor	1,272	896	122	254	4	4	0
Winnipeg/James Armstrong Richardson International	9,368	8,169	493	706	187	187	0
Winnipeg/St. Andrews	4,190	1,402	108	2,680	5	5	0
Yellowknife	3,334	2,924	76	334	116	116	0
Total of NAV CANADA towers (41)	279,132	198,097	17,453	63,582	1,683	1,289	394

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					
	number							
Brandon Municipal	560	225	96	239	32	12	20	
Campbell River	1,511	797	198	516	9	9	0	
Castlegar	269	211	14	44	2	2	0	
Charlottetown	652	503	63	86	3	3	0	
Churchill	612	583	7	22	3	3	0	
Cranbrook	898	759	89	50	1	1	0	
Deer Lake	1,409	1,243	62	104	0	0	0	
Fort Nelson	990	903	41	46	2	2	0	
Fort St. John	1,512	1,154	158	200	0	0	0	
Grande Prairie	3,527	1,796	483	1,248	0	0	0	
High Level	394	346	28	20	0	0	0	
Îles-de-la-Madeleine	350	297	33	20	0	0	0	
Inuvik/Mike Zubko	528	486	26	16	8	8	0	
Iqaluit	1,167	1,077	64	26	10	10	0	
Kamloops	2,412	1,465	177	770	4	4	0	
Kenora	735	548	27	160	10	10	0	
Kingston	1,073	638	145	290	2	2	0	
Kuujuuaq	677	641	28	8	0	0	0	
La Grande Rivière	524	508	8	8	0	0	0	
La Ronge	1,459	1,196	107	156	0	0	0	
Lethbridge	1,306	743	199	364	30	26	4	
Lloydminster	1,032	486	196	350	6	6	0	
Medicine Hat	1,281	730	170	381	36	30	6	
Mont-Joli	510	438	64	8	2	2	0	
Montréal/Mirabel International	2,391	719	132	1,540	19	5	14	
Nanaimo	1,781	937	410	434	18	14	4	
Norman Wells	662	590	20	52	2	2	0	
North Bay	3,499	1,041	112	2,346	14	12	2	
Ottawa/Gatineau	1,534	196	230	1,108	8	8	0	
Peace River	591	525	38	28	0	0	0	
Penticton	1,094	427	95	572	3	3	0	
Port Hardy	479	364	57	58	21	19	2	
Prince Albert	1,502	1,307	137	58	2	0	2	
Prince Rupert	264	208	56	0	2	2	0	
Rankin Inlet	714	690	10	14	0	0	0	
Red Deer Regional	2,609	968	501	1,140	2	2	0	
Rouyn-Noranda	1,076	966	86	24	0	0	0	
Saint John	1,140	703	213	224	23	1	22	
Sept-Îles	1,871	1,693	88	90	8	8	0	
Sioux Lookout	2,341	2,198	71	72	0	0	0	
Smithers	594	482	34	78	3	3	0	
St. Catharines	572	210	106	256	0	0	0	
Sudbury	2,416	1,878	162	376	0	0	0	
Terrace	1,521	1,138	49	334	4	4	0	
Thompson	2,264	2,034	182	48	0	0	0	
Timmins	2,165	2,025	96	44	2	2	0	
Val-d'Or	1,042	767	97	178	19	11	8	
Victoria Harbour	1,448	1,341	99	8	3	3	0	
Wabush	1,134	1,071	59	4	1	1	0	
Whitecourt	1,320	440	98	782	2	2	0	
Williams Lake	542	457	63	22	4	2	2	
Total of all flight service stations (51)	63,954	43,148	5,784	15,022	320	234	86	

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	2,892	480	1,767	25	518	58	44
Boundary Bay	2,658	2	379	1,308	819	120	30
Calgary International	20,527	17,439	1,445	464	1,053	111	15
Calgary/Springbank	4,483	5	977	2,600	876	17	8
Chicoutimi/St-Honoré	385	163	18	163	28	12	1
Edmonton International	13,915	11,409	1,078	241	882	281	24
Edmonton/Villeneuve	944	2	58	579	230	75	0
Fort McMurray	3,882	2,211	1,015	85	541	30	0
Fredericton International	3,290	770	2,354	4	97	25	40
Gander International	1,456	1,142	56	6	109	36	107
Halifax/Robert L. Stanfield International	5,642	5,094	257	3	167	39	82
Hamilton	1,698	1,418	80	30	122	48	0
Kelowna	3,844	2,850	481	117	334	58	4
Kitchener/Waterloo	1,955	425	1,200	24	296	8	2
Langley	1,466	0	42	720	650	46	8
London	2,228	1,072	162	714	220	50	10
Moncton/Greater Moncton International	2,669	1,611	883	4	63	108	0
Montréal/Pierre Elliott Trudeau International	17,520	15,818	679	35	827	157	4
Montréal/St-Hubert	2,844	1,358	443	373	534	101	35
Oshawa	747	35	37	423	180	64	8
Ottawa/Macdonald-Cartier International	9,065	6,868	206	1,470	176	218	127
Pitt Meadows	1,267	1	310	149	795	10	2
Prince George	1,761	1,185	309	20	160	82	5
Québec/Jean Lesage International	5,350	3,752	826	210	297	239	26
Regina International	3,314	2,266	634	43	164	144	63
Saskatoon/John G. Diefenbaker International	5,047	3,522	721	143	310	306	45
Sault Ste. Marie	1,557	941	32	502	39	39	4
St. John's International	3,010	2,232	406	4	84	176	108
St-Jean	203	2	46	15	115	1	24
Thunder Bay	4,294	3,117	157	682	173	143	22
Toronto/Billy Bishop Toronto City	5,768	4,758	308	540	147	12	3
Toronto/Buttonville Municipal	955	128	476	13	311	27	0
Toronto/Lester B. Pearson International	34,339	31,693	1,616	27	985	16	2
Vancouver Harbour	2,039	1,822	205	0	12	0	0
Vancouver International	22,844	20,462	1,733	66	479	91	13
Victoria International	5,623	2,710	1,933	98	755	16	111
Whitehorse International	856	564	147	3	110	32	0
Windsor	1,022	484	407	5	116	6	4
Winnipeg/James Armstrong Richardson International	8,849	7,864	214	91	169	324	187
Winnipeg/St. Andrews	1,515	371	790	241	108	0	5
Yellowknife	3,116	2,780	96	48	8	68	116
Total of NAV CANADA towers (41)	216,839	160,826	24,983	12,288	14,059	3,394	1,289

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	333	96	119	10	32	64	12
Campbell River	1,004	631	152	14	192	6	9
Castlegar	227	174	23	14	12	2	2
Charlottetown	569	498	4	1	39	24	3
Churchill	593	544	2	37	1	6	3
Cranbrook	849	741	16	2	81	8	1
Deer Lake	1,305	1,214	29	0	4	58	0
Fort Nelson	946	308	593	2	41	0	2
Fort St. John	1,312	743	402	9	148	10	0
Grande Prairie	2,279	975	650	171	475	8	0
High Level	374	232	108	6	16	12	0
Îles-de-la-Madeleine	330	285	12	0	3	30	0
Inuvik/Mike Zubko	520	414	72	0	2	24	8
Iqaluit	1,151	1,039	36	2	45	19	10
Kamloops	1,646	950	426	89	155	22	4
Kenora	585	409	49	90	21	6	10
Kingston	785	472	139	27	145	0	2
Kuujuuaq	669	616	25	0	0	28	0
La Grande Rivière	516	418	90	0	4	4	0
La Ronge	1,303	1,178	16	2	33	74	0
Lethbridge	968	479	36	228	185	14	26
Lloydminster	688	292	168	26	180	16	6
Medicine Hat	930	460	79	191	157	13	30
Mont-Joli	504	380	58	0	28	36	2
Montréal/Mirabel International	856	691	24	4	128	4	5
Nanaimo	1,361	492	433	12	380	30	14
Norman Wells	612	498	92	0	10	10	2
North Bay	1,165	647	130	264	86	26	12
Ottawa/Gatineau	434	65	47	84	210	20	8
Peace River	563	444	67	14	36	2	0
Penticton	525	252	130	45	95	0	3
Port Hardy	440	338	24	2	25	32	19
Prince Albert	1,444	1,297	8	2	61	76	0
Prince Rupert	266	206	2	0	19	37	2
Rankin Inlet	700	674	2	14	0	10	0
Red Deer Regional	1,471	393	458	117	471	30	2
Rouyn-Noranda	1,052	829	137	0	68	18	0
Saint John	917	634	59	10	207	6	1
Sept-Îles	1,789	1,275	402	16	29	59	8
Sioux Lookout	2,269	1,830	137	231	15	56	0
Smithers	519	405	74	3	30	4	3
St. Catharines	316	4	202	4	98	8	0
Sudbury	2,040	1,477	245	156	108	54	0
Terrace	1,191	639	476	23	25	24	4
Thompson	2,216	1,715	312	7	16	166	0
Timmins	2,123	1,940	82	3	73	23	2
Val-d'Or	875	718	47	2	63	34	11
Victoria Harbour	1,443	1,335	5	1	1	98	3
Wabush	1,131	973	90	8	40	19	1
Whitecourt	540	31	83	326	96	2	2
Williams Lake	522	424	33	0	47	16	2
Total of all flight service stations (51)	49,166	33,774	7,105	2,269	4,436	1,348	234

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	2,892	701	24.2	2,191	75.7	1,085
Boundary Bay	2,658	223	8.3	2,435	91.6	475
Calgary International	20,527	19,659	95.7	868	4.2	232
Calgary/Springbank	4,483	376	8.3	4,107	91.6	114
Chicoutimi/St-Honoré	385	80	20.7	305	79.2	43
Edmonton International	13,915	13,237	95.1	678	4.8	379
Edmonton/Villeneuve	944	85	9.0	859	90.9	43
Fort McMurray	3,882	2,833	72.9	1,049	27.0	68
Fredericton International	3,290	968	29.4	2,322	70.5	82
Gander International	1,456	915	62.8	541	37.1	52
Halifax/Robert L. Stanfield International	5,642	5,478	97.0	164	2.9	77
Hamilton	1,698	1,602	94.3	96	5.6	285
Kelowna	3,844	3,094	80.4	750	19.5	359
Kitchener/Waterloo	1,955	607	31.0	1,348	68.9	132
Langley	1,466	11	0.7	1,455	99.2	403
London	2,228	1,237	55.5	991	44.4	130
Moncton/Greater Moncton International	2,669	1,747	65.4	922	34.5	46
Montréal/Pierre Elliott Trudeau International	17,520	17,287	98.6	233	1.3	387
Montréal/St-Hubert	2,844	1,272	44.7	1,572	55.2	403
Oshawa	747	81	10.8	666	89.1	211
Ottawa/Macdonald-Cartier International	9,065	7,372	81.3	1,693	18.6	203
Pitt Meadows	1,267	34	2.6	1,233	97.3	632
Prince George	1,761	1,449	82.2	312	17.7	154
Québec/Jean Lesage International	5,350	4,558	85.1	792	14.8	547
Regina International	3,314	2,790	84.1	524	15.8	178
Saskatoon/John G. Diefenbaker International	5,047	4,087	80.9	960	19.0	94
Sault Ste. Marie	1,557	1,024	65.7	533	34.2	28
St. John's International	3,010	2,753	91.4	257	8.5	71
St-Jean	203	5	2.4	198	97.5	123
Thunder Bay	4,294	3,347	77.9	947	22.0	37
Toronto/Billy Bishop Toronto City	5,768	4,905	85.0	863	14.9	641
Toronto/Buttonville Municipal	955	333	34.8	622	65.1	479
Toronto/Lester B. Pearson International	34,339	34,311	99.9	28	0.0	168
Vancouver Harbour	2,039	303	14.8	1,736	85.1	772
Vancouver International	22,844	20,883	91.4	1,961	8.5	2,592
Victoria International	5,623	3,385	60.1	2,238	39.8	917
Whitehorse International	856	508	59.3	348	40.6	114
Windsor	1,022	669	65.4	353	34.5	54
Winnipeg/James Armstrong Richardson International	8,849	8,406	94.9	443	5.0	159
Winnipeg/St. Andrews	1,515	103	6.7	1,412	93.2	32
Yellowknife	3,116	2,300	73.8	816	26.1	46
Total of NAV CANADA towers (41)	216,839	175,018	80.7	41,821	19.3	13,047

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	333	193	57.9	140	42.0	87
Campbell River	1,004	589	58.6	415	41.3	146
Castlegar	227	173	76.2	54	23.7	88
Charlottetown	569	527	92.6	42	7.3	15
Churchill	593	585	98.6	8	1.3	129
Cranbrook	849	776	91.4	73	8.5	98
Deer Lake	1,305	1,150	88.1	155	11.8	7
Fort Nelson	946	328	34.6	618	65.3	28
Fort St. John	1,312	892	67.9	420	32.0	28
Grande Prairie	2,279	1,408	61.7	871	38.2	68
High Level	374	181	48.3	193	51.6	55
Îles-de-la-Madeleine	330	330	100.0	0	0.0	18
Inuvik/Mike Zubko	520	325	62.5	195	37.5	20
Iqaluit	1,151	1,052	91.3	99	8.6	0
Kamloops	1,646	1,263	76.7	383	23.2	341
Kenora	585	433	74.0	152	25.9	192
Kingston	785	522	66.4	263	33.5	158
Kuujuuaq	669	391	58.4	278	41.5	0
La Grande Rivière	516	448	86.8	68	13.1	38
La Ronge	1,303	752	57.7	551	42.2	222
Lethbridge	968	589	60.8	379	39.1	17
Lloydminster	688	316	45.9	372	54.0	12
Medicine Hat	930	513	55.1	417	44.8	94
Mont-Joli	504	487	96.6	17	3.3	8
Montréal/Mirabel International	856	793	92.6	63	7.3	719
Nanaimo	1,361	768	56.4	593	43.5	269
Norman Wells	612	224	36.6	388	63.3	5
North Bay	1,165	705	60.5	460	39.4	318
Ottawa/Gatineau	434	85	19.5	349	80.4	128
Peace River	563	411	73.0	152	26.9	11
Penticton	525	227	43.2	298	56.7	106
Port Hardy	440	236	53.6	204	46.3	353
Prince Albert	1,444	1,352	93.6	92	6.3	48
Prince Rupert	266	186	69.9	80	30.0	19
Rankin Inlet	700	696	99.4	4	0.5	191
Red Deer Regional	1,471	612	41.6	859	58.3	248
Rouyn-Noranda	1,052	1,030	97.9	22	2.0	70
Saint John	917	823	89.7	94	10.2	15
Sept-Îles	1,789	1,556	86.9	233	13.0	199
Sioux Lookout	2,269	1,855	81.7	414	18.2	267
Smithers	519	405	78.0	114	21.9	372
St. Catharines	316	70	22.1	246	77.8	68
Sudbury	2,040	1,453	71.2	587	28.7	75
Terrace	1,191	781	65.5	410	34.4	197
Thompson	2,216	1,525	68.8	691	31.1	40
Timmins	2,123	1,590	74.8	533	25.1	97
Val-d'Or	875	814	93.0	61	6.9	72
Victoria Harbour	1,443	355	24.6	1,088	75.3	588
Wabush	1,131	1,095	96.8	36	3.1	311
Whitecourt	540	51	9.4	489	90.5	54
Williams Lake	522	452	86.5	70	13.4	66
Total of all flight service stations (51)	49,166	34,373	69.9	14,793	30.1	6,775

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	2,892	452	142	1,438	860	0
Boundary Bay	2,658	12	63	2,330	253	0
Calgary International	20,527	12,095	7,470	225	737	0
Calgary/Springbank	4,483	59	123	3,266	1,035	0
Chicoutimi/St-Honoré	385	5	70	186	124	0
Edmonton International	13,915	6,951	6,194	361	409	0
Edmonton/Villeneuve	944	16	37	785	106	0
Fort McMurray	3,882	1,367	1,575	313	627	0
Fredericton International	3,290	58	915	2,233	84	0
Gander International	1,456	321	560	450	125	0
Halifax/Robert L. Stanfield International	5,642	3,116	2,283	49	194	0
Hamilton	1,698	1,095	502	76	25	0
Kelowna	3,844	1,213	1,921	354	355	1
Kitchener/Waterloo	1,955	292	287	1,228	148	0
Langley	1,466	0	2	1,120	344	0
London	2,228	376	921	836	95	0
Moncton/Greater Moncton International	2,669	671	1,086	884	28	0
Montréal/Pierre Elliott Trudeau International	17,520	11,572	5,710	118	120	0
Montréal/St-Hubert	2,844	129	897	1,692	126	0
Oshawa	747	40	28	622	57	0
Ottawa/Macdonald-Cartier International	9,065	4,868	2,470	1,519	208	0
Pitt Meadows	1,267	0	8	1,075	184	0
Prince George	1,761	227	1,243	122	169	0
Québec/Jean Lesage International	5,350	1,119	3,378	364	489	0
Regina International	3,314	1,525	1,187	521	81	0
Saskatoon/John G. Diefenbaker International	5,047	1,717	2,272	956	102	0
Sault Ste. Marie	1,557	53	952	526	26	0
St. John's International	3,010	1,247	1,308	16	439	0
St-Jean	203	0	0	183	13	7
Thunder Bay	4,294	457	2,888	802	147	0
Toronto/Billy Bishop Toronto City	5,768	10	4,858	646	254	0
Toronto/Buttonville Municipal	955	39	228	482	206	0
Toronto/Lester B. Pearson International	34,339	28,527	5,765	45	2	0
Vancouver Harbour	2,039	0	970	400	669	0
Vancouver International	22,844	11,091	9,877	1,405	471	0
Victoria International	5,623	873	2,238	2,286	226	0
Whitehorse International	856	284	304	208	60	0
Windsor	1,022	109	603	302	8	0
Winnipeg/James Armstrong Richardson International	8,849	5,140	3,398	190	121	0
Winnipeg/St. Andrews	1,515	0	482	964	69	0
Yellowknife	3,116	502	2,339	157	118	0
Total of NAV CANADA towers (41)	216,839	97,628	77,554	31,735	9,914	8

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	333	32	210	67	24	0
Campbell River	1,004	16	638	143	207	0
Castlegar	227	2	178	26	21	0
Charlottetown	569	140	380	27	22	0
Churchill	593	118	469	6	0	0
Cranbrook	849	36	702	97	14	0
Deer Lake	1,305	164	1,107	8	26	0
Fort Nelson	946	30	301	61	554	0
Fort St. John	1,312	87	826	132	267	0
Grande Prairie	2,279	155	1,117	534	473	0
High Level	374	8	228	26	112	0
Îles-de-la-Madeleine	330	16	305	9	0	0
Inuvik/Mike Zubko	520	98	326	24	72	0
Iqaluit	1,151	384	735	6	26	0
Kamloops	1,646	71	1,127	314	134	0
Kenora	585	3	424	105	53	0
Kingston	785	8	498	249	30	0
Kuujuuaq	669	138	531	0	0	0
La Grande Rivière	516	86	430	0	0	0
La Ronge	1,303	4	1,127	138	34	0
Lethbridge	968	78	506	370	14	0
Lloydminster	688	21	268	365	34	0
Medicine Hat	930	24	491	369	46	0
Mont-Joli	504	20	464	16	4	0
Montréal/Mirabel International	856	574	186	51	45	0
Nanaimo	1,361	32	570	711	48	0
Norman Wells	612	186	263	75	88	0
North Bay	1,165	35	683	122	325	0
Ottawa/Gatineau	434	2	70	246	116	0
Peace River	563	13	411	80	59	0
Penticton	525	6	252	75	192	0
Port Hardy	440	13	309	54	64	0
Prince Albert	1,444	2	1,358	65	19	0
Prince Rupert	266	32	177	1	56	0
Rankin Inlet	700	198	502	0	0	0
Red Deer Regional	1,471	75	506	811	79	0
Rouyn-Noranda	1,052	99	951	2	0	0
Saint John	917	109	687	94	27	0
Sept-Îles	1,789	43	1,513	94	139	0
Sioux Lookout	2,269	4	1,899	336	30	0
Smithers	519	8	435	26	50	0
St. Catharines	316	8	22	221	65	0
Sudbury	2,040	36	1,532	246	226	0
Terrace	1,191	39	747	11	394	0
Thompson	2,216	128	1,785	109	194	0
Timmins	2,123	16	2,036	37	34	0
Val-d'Or	875	156	643	57	19	0
Victoria Harbour	1,443	0	691	61	691	0
Wabush	1,131	20	1,044	36	31	0
Whitecourt	540	6	53	56	425	0
Williams Lake	522	14	438	20	50	0
Total of all flight service stations (51)	49,166	3,593	33,151	6,789	5,633	0

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	2,013	233	109	55	29	22	410	19	2	0
Boundary Bay	2,457	115	80	2	2	2	0	0	0	0
Calgary International	582	374	1,340	2,527	615	4,911	8,406	890	227	655
Calgary/Springbank	3,954	325	173	31	0	0	0	0	0	0
Chicoutimi/St-Honoré	234	76	70	4	0	1	0	0	0	0
Edmonton International	456	328	1,727	1,468	416	3,724	4,944	557	151	144
Edmonton/Villeneuve	824	39	43	35	3	0	0	0	0	0
Fort McMurray	740	346	403	506	54	1,019	712	102	0	0
Fredericton International	2,280	92	197	229	138	332	22	0	0	0
Gander International	471	7	26	493	182	126	71	42	28	10
Halifax/Robert L. Stanfield International	24	156	273	868	857	1,144	1,891	158	178	93
Hamilton	69	245	102	256	77	62	338	0	396	153
Kelowna	631	64	289	797	59	1,120	884	0	0	0
Kitchener/Waterloo	1,327	70	296	42	16	102	102	0	0	0
Langley	1,407	43	3	11	2	0	0	0	0	0
London	885	24	239	112	585	219	158	4	0	2
Moncton/Greater Moncton International	906	74	153	273	74	666	188	0	333	2
Montréal/Pierre Elliott Trudeau International	124	87	440	468	2,444	6,290	4,889	1,451	2	1,325
Montréal/St-Hubert	1,412	361	605	345	110	5	6	0	0	0
Oshawa	611	73	19	39	0	0	0	2	3	0
Ottawa/Macdonald-Cartier International	1,545	89	578	234	714	2,435	2,891	321	47	211
Pitt Meadows	1,159	93	12	1	0	2	0	0	0	0
Prince George	236	58	130	637	16	555	129	0	0	0
Québec/Jean Lesage International	669	168	627	549	997	1,769	485	16	0	70
Regina International	392	209	297	412	24	1,089	758	5	76	52
Saskatoon/John G. Diefenbaker International	687	426	564	942	191	1,163	968	2	44	60
Sault Ste. Marie	512	79	456	60	243	189	18	0	0	0
St. John's International	23	28	217	602	688	368	810	171	89	14
St-Jean	198	5	0	0	0	0	0	0	0	0
Thunder Bay	757	213	1,980	144	98	847	251	4	0	0
Toronto/Billy Bishop Toronto City	695	51	270	211	0	4,541	0	0	0	0
Toronto/Buttonville Municipal	621	87	212	19	6	10	0	0	0	0
Toronto/Lester B. Pearson International	20	159	375	1,492	3,369	6,425	15,258	3,828	210	3,203
Vancouver Harbour	67	1,243	729	0	0	0	0	0	0	0
Vancouver International	221	2,351	582	2,889	928	6,401	5,957	1,093	276	2,146
Victoria International	1,944	722	116	392	196	1,637	518	64	34	0
Whitehorse International	199	102	146	67	2	68	272	0	0	0
Windsor	227	217	44	81	141	285	25	0	2	0
Winnipeg/James Armstrong Richardson International	144	248	2,229	386	599	1,745	2,540	172	594	192
Winnipeg/St. Andrews	960	485	69	1	0	0	0	0	0	0
Yellowknife	106	367	584	382	297	783	459	138	0	0
Total of NAV CANADA towers (41)	32,789	10,532	16,804	18,062	14,172	50,057	54,360	9,039	2,692	8,332

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	54	27	156	26	4	64	0	2	0	0
Campbell River	320	19	16	583	60	6	0	0	0	0
Castlegar	36	9	12	30	4	136	0	0	0	0
Charlottetown	26	95	18	170	56	80	124	0	0	0
Churchill	0	6	119	0	107	349	10	2	0	0
Cranbrook	65	48	27	499	26	184	0	0	0	0
Deer Lake	26	8	16	475	509	126	143	2	0	0
Fort Nelson	420	35	204	115	125	39	8	0	0	0
Fort St. John	347	33	154	253	115	410	0	0	0	0
Grande Prairie	693	322	376	76	5	715	92	0	0	0
High Level	118	30	117	107	2	0	0	0	0	0
Îles-de-la-Madeleine	3	6	80	98	107	36	0	0	0	0
Inuvik/Mike Zubko	57	36	218	61	0	48	96	4	0	0
Iqaluit	4	2	265	109	166	266	283	10	8	38
Kamloops	326	87	99	304	19	797	14	0	0	0
Kenora	97	21	455	8	0	0	0	4	0	0
Kingston	258	19	49	367	84	8	0	0	0	0
Kuujuuaq	0	0	399	4	9	147	94	0	0	16
La Grande Rivière	0	0	128	2	22	282	82	0	0	0
La Ronge	69	121	617	200	154	142	0	0	0	0
Lethbridge	320	67	108	441	20	4	8	0	0	0
Lloydminster	276	129	111	168	4	0	0	0	0	0
Medicine Hat	397	24	157	340	2	10	0	0	0	0
Mont-Joli	6	14	101	122	141	120	0	0	0	0
Montréal/Mirabel International	80	58	16	59	6	88	108	0	275	166
Nanaimo	461	333	47	38	27	453	2	0	0	0
Norman Wells	101	75	186	30	0	30	190	0	0	0
North Bay	423	62	439	61	158	11	11	0	0	0
Ottawa/Gatineau	338	20	9	59	2	0	0	6	0	0
Peace River	81	62	308	96	10	6	0	0	0	0
Penticton	238	29	10	94	0	154	0	0	0	0
Port Hardy	26	114	30	126	128	16	0	0	0	0
Prince Albert	58	28	110	564	274	410	0	0	0	0
Prince Rupert	10	6	71	35	51	93	0	0	0	0
Rankin Inlet	0	0	98	0	76	404	122	0	0	0
Red Deer Regional	818	70	194	362	13	12	2	0	0	0
Rouyn-Noranda	2	0	295	66	432	181	76	0	0	0
Saint John	57	132	90	199	206	230	3	0	0	0
Sept-Îles	146	85	416	255	545	318	20	4	0	0
Sioux Lookout	96	316	1,140	595	120	0	2	0	0	0
Smithers	58	41	23	268	35	91	0	3	0	0
St. Catharines	234	47	20	13	0	2	0	0	0	0
Sudbury	261	162	863	224	238	278	14	0	0	0
Terrace	227	170	88	107	127	463	7	2	0	0
Thompson	210	101	1,277	24	143	461	0	0	0	0
Timmins	57	107	1,106	1	544	308	0	0	0	0
Val-d'Or	43	26	197	125	312	65	107	0	0	0
Victoria Harbour	9	678	753	0	3	0	0	0	0	0
Wabush	23	44	182	264	361	253	4	0	0	0
Whitecourt	471	26	35	8	0	0	0	0	0	0
Williams Lake	64	4	26	422	4	0	0	2	0	0
Total of all flight service stations (51)	8,510	3,954	12,031	8,653	5,556	8,296	1,622	41	283	220

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	2,818	465	1,747	23	486	55	42
Transborder	42	5	9	1	27	0	0
Other international	32	10	11	1	5	3	2
Total	2,892	480	1,767	25	518	58	44
Boundary Bay							
Domestic	2,624	0	378	1,302	796	118	30
Transborder	28	2	0	6	20	0	0
Other international	6	0	1	0	3	2	0
Total	2,658	2	379	1,308	819	120	30
Calgary International							
Domestic	16,237	13,500	1,353	458	803	111	12
Transborder	3,477	3,140	84	3	247	0	3
Other international	813	799	8	3	3	0	0
Total	20,527	17,439	1,445	464	1,053	111	15
Calgary/Springbank							
Domestic	4,396	5	971	2,593	802	17	8
Transborder	65	0	2	3	60	0	0
Other international	22	0	4	4	14	0	0
Total	4,483	5	977	2,600	876	17	8
Chicoutimi/St-Honoré							
Domestic	381	163	17	162	26	12	1
Transborder	2	0	0	0	2	0	0
Other international	2	0	1	1	0	0	0
Total	385	163	18	163	28	12	1
Edmonton International							
Domestic	12,076	9,705	1,045	222	801	279	24
Transborder	1,511	1,406	20	15	70	0	0
Other international	328	298	13	4	11	2	0
Total	13,915	11,409	1,078	241	882	281	24
Edmonton/Villeneuve							
Domestic	920	2	58	561	226	73	0
Transborder	0	0	0	0	0	0	0
Other international	24	0	0	18	4	2	0
Total	944	2	58	579	230	75	0
Fort McMurray							
Domestic	3,535	2,146	762	69	528	30	0
Transborder	56	54	1	0	1	0	0
Other international	291	11	252	16	12	0	0
Total	3,882	2,211	1,015	85	541	30	0
Fredericton International							
Domestic	3,281	767	2,353	4	92	25	40
Transborder	5	0	0	0	5	0	0
Other international	4	3	1	0	0	0	0
Total	3,290	770	2,354	4	97	25	40
Gander International							
Domestic	1,229	1,057	51	0	25	36	60
Transborder	91	28	0	2	39	0	22
Other international	136	57	5	4	45	0	25
Total	1,456	1,142	56	6	109	36	107
Halifax/Robert L. Stanfield International							
Domestic	4,802	4,442	175	1	88	35	61
Transborder	583	499	7	0	65	3	9
Other international	257	153	75	2	14	1	12
Total	5,642	5,094	257	3	167	39	82

Table 7-1 – continued

Itinerant movements, domestic, transborder and international — NAV CANADA towers

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Hamilton							
Domestic	1,114	922	62	30	52	48	0
Transborder	485	405	16	0	64	0	0
Other international	99	91	2	0	6	0	0
Total	1,698	1,418	80	30	122	48	0
Kelowna							
Domestic	3,388	2,487	476	117	247	57	4
Transborder	386	298	3	0	85	0	0
Other international	70	65	2	0	2	1	0
Total	3,844	2,850	481	117	334	58	4
Kitchener/Waterloo							
Domestic	1,733	318	1,177	22	207	8	1
Transborder	205	99	21	2	82	0	1
Other international	17	8	2	0	7	0	0
Total	1,955	425	1,200	24	296	8	2
Langley							
Domestic	1,461	0	42	720	646	45	8
Transborder	3	0	0	0	3	0	0
Other international	2	0	0	0	1	1	0
Total	1,466	0	42	720	650	46	8
London							
Domestic	1,952	857	161	713	161	50	10
Transborder	218	159	0	0	59	0	0
Other international	58	56	1	1	0	0	0
Total	2,228	1,072	162	714	220	50	10
Moncton/Greater Moncton International							
Domestic	2,578	1,530	883	0	57	108	0
Transborder	64	58	0	0	6	0	0
Other international	27	23	0	4	0	0	0
Total	2,669	1,611	883	4	63	108	0
Montréal/Pierre Elliott Trudeau International							
Domestic	9,322	8,171	500	14	478	157	2
Transborder	5,626	5,159	142	10	313	0	2
Other international	2,572	2,488	37	11	36	0	0
Total	17,520	15,818	679	35	827	157	4
Montréal/St-Hubert							
Domestic	2,743	1,340	434	370	464	100	35
Transborder	95	18	9	3	65	0	0
Other international	6	0	0	0	5	1	0
Total	2,844	1,358	443	373	534	101	35
Oshawa							
Domestic	721	31	34	422	162	64	8
Transborder	25	3	3	1	18	0	0
Other international	1	1	0	0	0	0	0
Total	747	35	37	423	180	64	8
Ottawa/Macdonald-Cartier International							
Domestic	7,053	4,972	185	1,461	102	213	120
Transborder	1,530	1,430	15	9	69	5	2
Other international	482	466	6	0	5	0	5
Total	9,065	6,868	206	1,470	176	218	127
Pitt Meadows							
Domestic	1,256	1	309	149	788	7	2
Transborder	5	0	0	0	5	0	0
Other international	6	0	1	0	2	3	0
Total	1,267	1	310	149	795	10	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							
Prince George							
Domestic	1,714	1,174	295	12	151	77	5
Transborder	14	2	0	0	8	4	0
Other international	33	9	14	8	1	1	0
Total	1,761	1,185	309	20	160	82	5
Québec/Jean Lesage International							
Domestic	4,617	3,098	811	206	238	238	26
Transborder	424	364	6	3	51	0	0
Other international	309	290	9	1	8	1	0
Total	5,350	3,752	826	210	297	239	26
Regina International							
Domestic	2,771	1,778	625	39	126	144	59
Transborder	389	337	6	4	38	0	4
Other international	154	151	3	0	0	0	0
Total	3,314	2,266	634	43	164	144	63
Saskatoon/John G. Diefenbaker International							
Domestic	4,513	3,051	711	140	260	306	45
Transborder	390	334	10	1	45	0	0
Other international	144	137	0	2	5	0	0
Total	5,047	3,522	721	143	310	306	45
Sault Ste. Marie							
Domestic	1,543	938	32	502	30	37	4
Transborder	12	3	0	0	9	0	0
Other international	2	0	0	0	0	2	0
Total	1,557	941	32	502	39	39	4
St. John's International							
Domestic	2,723	2,108	373	0	47	176	19
Transborder	138	75	1	1	19	0	42
Other international	149	49	32	3	18	0	47
Total	3,010	2,232	406	4	84	176	108
St-Jean							
Domestic	203	2	46	15	115	1	24
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	203	2	46	15	115	1	24
Thunder Bay							
Domestic	4,180	3,028	154	681	153	142	22
Transborder	83	60	2	1	20	0	0
Other international	31	29	1	0	0	1	0
Total	4,294	3,117	157	682	173	143	22
Toronto/Billy Bishop Toronto City							
Domestic	4,495	3,541	289	539	113	10	3
Transborder	1,256	1,217	2	1	34	2	0
Other international	17	0	17	0	0	0	0
Total	5,768	4,758	308	540	147	12	3
Toronto/Buttontville Municipal							
Domestic	884	120	467	12	260	25	0
Transborder	70	8	8	1	51	2	0
Other international	1	0	1	0	0	0	0
Total	955	128	476	13	311	27	0
Toronto/Lester B. Pearson International							
Domestic	13,994	13,356	330	10	282	16	0
Transborder	14,378	13,008	697	13	659	0	1
Other international	5,967	5,329	589	4	44	0	1
Total	34,339	31,693	1,616	27	985	16	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							
Vancouver Harbour							
Domestic	2,021	1,813	196	0	12	0	0
Transborder	2	2	0	0	0	0	0
Other international	16	7	9	0	0	0	0
Total	2,039	1,822	205	0	12	0	0
Vancouver International							
Domestic	16,658	14,557	1,675	44	280	90	12
Transborder	4,372	4,119	45	18	189	0	1
Other international	1,814	1,786	13	4	10	1	0
Total	22,844	20,462	1,733	66	479	91	13
Victoria International							
Domestic	5,078	2,274	1,912	95	673	16	108
Transborder	486	394	18	0	72	0	2
Other international	59	42	3	3	10	0	1
Total	5,623	2,710	1,933	98	755	16	111
Whitehorse International							
Domestic	796	549	120	1	94	32	0
Transborder	8	0	2	0	6	0	0
Other international	52	15	25	2	10	0	0
Total	856	564	147	3	110	32	0
Windsor							
Domestic	928	443	386	5	86	6	2
Transborder	72	23	20	0	27	0	2
Other international	22	18	1	0	3	0	0
Total	1,022	484	407	5	116	6	4
Winnipeg/James Armstrong Richardson International							
Domestic	7,510	6,620	192	81	111	324	182
Transborder	1,031	947	18	10	51	0	5
Other international	308	297	4	0	7	0	0
Total	8,849	7,864	214	91	169	324	187
Winnipeg/St. Andrews							
Domestic	1,510	369	790	241	105	0	5
Transborder	5	2	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	1,515	371	790	241	108	0	5
Yellowknife							
Domestic	2,916	2,652	70	31	8	68	87
Transborder	0	0	0	0	0	0	0
Other international	200	128	26	17	0	0	29
Total	3,116	2,780	96	48	8	68	116
Total of NAV CANADA towers (41)							
Domestic	164,674	114,352	22,647	12,067	11,181	3,356	1,071
Transborder	37,632	33,658	1,167	108	2,587	16	96
Other international	14,533	12,816	1,169	113	291	22	122
Total	216,839	160,826	24,983	12,288	14,059	3,394	1,289

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	329	96	117	10	30	64	12
Transborder	4	0	2	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	333	96	119	10	32	64	12
Campbell River							
Domestic	958	631	134	14	168	2	9
Transborder	8	0	0	0	8	0	0
Other international	38	0	18	0	16	4	0
Total	1,004	631	152	14	192	6	9
Castlegar							
Domestic	220	172	23	14	7	2	2
Transborder	7	2	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	227	174	23	14	12	2	2
Charlottetown							
Domestic	558	498	4	1	30	22	3
Transborder	4	0	0	0	4	0	0
Other international	7	0	0	0	5	2	0
Total	569	498	4	1	39	24	3
Churchill							
Domestic	593	544	2	37	1	6	3
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	593	544	2	37	1	6	3
Cranbrook							
Domestic	826	731	10	2	74	8	1
Transborder	18	10	1	0	7	0	0
Other international	5	0	5	0	0	0	0
Total	849	741	16	2	81	8	1
Deer Lake							
Domestic	1,305	1,214	29	0	4	58	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,305	1,214	29	0	4	58	0
Fort Nelson							
Domestic	939	308	587	2	40	0	2
Transborder	0	0	0	0	0	0	0
Other international	7	0	6	0	1	0	0
Total	946	308	593	2	41	0	2
Fort St. John							
Domestic	1,124	742	262	2	108	10	0
Transborder	0	0	0	0	0	0	0
Other international	188	1	140	7	40	0	0
Total	1,312	743	402	9	148	10	0
Grande Prairie							
Domestic	2,053	975	582	68	422	6	0
Transborder	2	0	1	0	1	0	0
Other international	224	0	67	103	52	2	0
Total	2,279	975	650	171	475	8	0
High Level							
Domestic	354	232	92	4	14	12	0
Transborder	0	0	0	0	0	0	0
Other international	20	0	16	2	2	0	0
Total	374	232	108	6	16	12	0

Table 7-2 – continued

Itinerant movements, domestic, transborder and international — NAV CANADA flight service stations

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
	number						
Îles-de-la-Madeleine							
Domestic	330	285	12	0	3	30	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	330	285	12	0	3	30	0
Inuvik/Mike Zubko							
Domestic	500	411	56	0	1	24	8
Transborder	1	0	0	0	1	0	0
Other international	19	3	16	0	0	0	0
Total	520	414	72	0	2	24	8
Iqaluit							
Domestic	1,105	1,029	24	1	24	19	8
Transborder	5	2	0	0	2	0	1
Other international	41	8	12	1	19	0	1
Total	1,151	1,039	36	2	45	19	10
Kamloops							
Domestic	1,611	943	422	89	131	22	4
Transborder	35	7	4	0	24	0	0
Other international	0	0	0	0	0	0	0
Total	1,646	950	426	89	155	22	4
Kenora							
Domestic	573	409	40	90	18	6	10
Transborder	2	0	0	0	2	0	0
Other international	10	0	9	0	1	0	0
Total	585	409	49	90	21	6	10
Kingston							
Domestic	770	472	133	27	136	0	2
Transborder	12	0	5	0	7	0	0
Other international	3	0	1	0	2	0	0
Total	785	472	139	27	145	0	2
Kuujuuaq							
Domestic	669	616	25	0	0	28	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	669	616	25	0	0	28	0
La Grande Rivière							
Domestic	516	418	90	0	4	4	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	516	418	90	0	4	4	0
La Ronge							
Domestic	1,297	1,172	16	2	33	74	0
Transborder	0	0	0	0	0	0	0
Other international	6	6	0	0	0	0	0
Total	1,303	1,178	16	2	33	74	0
Lethbridge							
Domestic	912	471	30	224	149	14	24
Transborder	52	8	6	4	32	0	2
Other international	4	0	0	0	4	0	0
Total	968	479	36	228	185	14	26
Lloydminster							
Domestic	670	292	159	26	171	16	6
Transborder	2	0	1	0	1	0	0
Other international	16	0	8	0	8	0	0
Total	688	292	168	26	180	16	6

Table 7-2 – continued

Itinerant movements, domestic, transborder and international — NAV CANADA flight service stations

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Medicine Hat							
Domestic	925	460	78	190	154	13	30
Transborder	3	0	0	0	3	0	0
Other international	2	0	1	1	0	0	0
Total	930	460	79	191	157	13	30
Mont-Joli							
Domestic	503	380	58	0	27	36	2
Transborder	0	0	0	0	0	0	0
Other international	1	0	0	0	1	0	0
Total	504	380	58	0	28	36	2
Montréal/Mirabel International							
Domestic	621	481	15	4	112	4	5
Transborder	218	207	1	0	10	0	0
Other international	17	3	8	0	6	0	0
Total	856	691	24	4	128	4	5
Nanaimo							
Domestic	1,337	488	429	11	365	30	14
Transborder	21	4	4	1	12	0	0
Other international	3	0	0	0	3	0	0
Total	1,361	492	433	12	380	30	14
Norman Wells							
Domestic	610	498	91	0	9	10	2
Transborder	0	0	0	0	0	0	0
Other international	2	0	1	0	1	0	0
Total	612	498	92	0	10	10	2
North Bay							
Domestic	1,150	647	128	264	76	26	9
Transborder	13	0	0	0	10	0	3
Other international	2	0	2	0	0	0	0
Total	1,165	647	130	264	86	26	12
Ottawa/Gatineau							
Domestic	417	64	47	83	195	20	8
Transborder	3	0	0	0	3	0	0
Other international	14	1	0	1	12	0	0
Total	434	65	47	84	210	20	8
Peace River							
Domestic	531	444	40	11	34	2	0
Transborder	0	0	0	0	0	0	0
Other international	32	0	27	3	2	0	0
Total	563	444	67	14	36	2	0
Penticton							
Domestic	521	252	130	45	91	0	3
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	525	252	130	45	95	0	3
Port Hardy							
Domestic	428	333	23	2	22	32	16
Transborder	6	1	0	0	2	0	3
Other international	6	4	1	0	1	0	0
Total	440	338	24	2	25	32	19
Prince Albert							
Domestic	1,433	1,296	8	2	51	76	0
Transborder	1	0	0	0	1	0	0
Other international	10	1	0	0	9	0	0
Total	1,444	1,297	8	2	61	76	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							
Prince Rupert							
Domestic	249	205	2	0	9	32	1
Transborder	2	0	0	0	1	0	1
Other international	15	1	0	0	9	5	0
Total	266	206	2	0	19	37	2
Rankin Inlet							
Domestic	700	674	2	14	0	10	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	700	674	2	14	0	10	0
Red Deer Regional							
Domestic	1,409	391	442	111	433	30	2
Transborder	13	2	2	0	9	0	0
Other international	49	0	14	6	29	0	0
Total	1,471	393	458	117	471	30	2
Rouyn-Noranda							
Domestic	1,046	825	136	0	67	18	0
Transborder	2	0	1	0	1	0	0
Other international	4	4	0	0	0	0	0
Total	1,052	829	137	0	68	18	0
Saint John							
Domestic	846	632	58	10	139	6	1
Transborder	66	2	0	0	64	0	0
Other international	5	0	1	0	4	0	0
Total	917	634	59	10	207	6	1
Sept-Îles							
Domestic	1,737	1,275	354	16	27	58	7
Transborder	1	0	0	0	1	0	0
Other international	51	0	48	0	1	1	1
Total	1,789	1,275	402	16	29	59	8
Sioux Lookout							
Domestic	2,266	1,828	137	231	14	56	0
Transborder	2	1	0	0	1	0	0
Other international	1	1	0	0	0	0	0
Total	2,269	1,830	137	231	15	56	0
Smithers							
Domestic	513	400	74	3	29	4	3
Transborder	1	0	0	0	1	0	0
Other international	5	5	0	0	0	0	0
Total	519	405	74	3	30	4	3
St. Catharines							
Domestic	304	4	202	4	86	8	0
Transborder	12	0	0	0	12	0	0
Other international	0	0	0	0	0	0	0
Total	316	4	202	4	98	8	0
Sudbury							
Domestic	1,987	1,477	216	154	86	54	0
Transborder	20	0	0	0	20	0	0
Other international	33	0	29	2	2	0	0
Total	2,040	1,477	245	156	108	54	0
Terrace							
Domestic	1,181	636	471	23	23	24	4
Transborder	1	0	0	0	1	0	0
Other international	9	3	5	0	1	0	0
Total	1,191	639	476	23	25	24	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							
Thompson							
Domestic	2,214	1,714	311	7	16	166	0
Transborder	0	0	0	0	0	0	0
Other international	2	1	1	0	0	0	0
Total	2,216	1,715	312	7	16	166	0
Timmins							
Domestic	2,119	1,939	81	3	72	22	2
Transborder	1	0	0	0	1	0	0
Other international	3	1	1	0	0	1	0
Total	2,123	1,940	82	3	73	23	2
Val-d'Or							
Domestic	866	714	44	2	61	34	11
Transborder	0	0	0	0	0	0	0
Other international	9	4	3	0	2	0	0
Total	875	718	47	2	63	34	11
Victoria Harbour							
Domestic	1,326	1,225	5	1	1	91	3
Transborder	110	110	0	0	0	0	0
Other international	7	0	0	0	0	7	0
Total	1,443	1,335	5	1	1	98	3
Wabush							
Domestic	1,116	972	79	5	40	19	1
Transborder	1	1	0	0	0	0	0
Other international	14	0	11	3	0	0	0
Total	1,131	973	90	8	40	19	1
Whitecourt							
Domestic	450	31	65	264	86	2	2
Transborder	0	0	0	0	0	0	0
Other international	90	0	18	62	10	0	0
Total	540	31	83	326	96	2	2
Williams Lake							
Domestic	520	424	31	0	47	16	2
Transborder	0	0	0	0	0	0	0
Other international	2	0	2	0	0	0	0
Total	522	424	33	0	47	16	2
Total of all flight service stations (51)							
Domestic	47,537	33,370	6,606	2,073	3,940	1,326	222
Transborder	653	357	28	5	253	0	10
Other international	976	47	471	191	243	22	2
Total	49,166	33,774	7,105	2,269	4,436	1,348	234

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	10	8,192	10	11	118	10	519
Boundary Bay	15	6,614	25	15	114	31	582
Calgary International	3	20,631	23	18	64	30	795
Calgary/Springbank	6	11,353	24	15	96	16	686
Chicoutimi/St-Honoré	39	1,209	31	15	91	31	208
Edmonton International	5	14,417	30	11	63	22	613
Edmonton/Villeneuve	27	3,522	26	13	70	26	376
Fort McMurray	22	4,154	23	14	44	23	253
Fredericton International	14	6,850	15	16	67	21	516
Gander International	33	2,426	6	12	35	6	236
Halifax/Robert L. Stanfield International	17	5,828	24	10	31	24	255
Hamilton	35	2,040	14	14	24	14	143
Kelowna	19	5,522	8	13	61	27	389
Kitchener/Waterloo	20	4,525	23	13	80	14	470
Langley	29	3,386	31	13	60	25	245
London	24	4,008	31	13	67	31	362
Moncton/Greater Moncton International	25	3,889	21	18	39	21	356
Montréal/Pierre Elliott Trudeau International	4	17,564	16	18	61	16	665
Montréal/St-Hubert	18	5,768	18	14	130	16	1,064
Oshawa	37	1,459	16	10	43	9	161
Ottawa/Macdonald-Cartier International	7	11,315	31	15	77	16	702
Pitt Meadows	26	3,693	21	14	113	31	464
Prince George	32	2,515	31	11	49	27	191
Québec/Jean Lesage International	16	6,528	16	15	60	15	395
Regina International	23	4,140	17	12	32	16	251
Saskatoon/John G. Diefenbaker International	13	6,885	28	16	60	21	454
Sault Ste. Marie	31	2,959	14	9	91	21	280
St. John's International	30	3,156	27	12	21	24	156
St-Jean	41	601	16	15	31	16	99
Thunder Bay	11	6,982	17	15	87	17	619
Toronto/Billy Bishop Toronto City	12	6,978	18	14	53	22	389
Toronto/Buttonville Municipal	36	1,461	14	14	65	14	235
Toronto/Lester B. Pearson International	1	34,451	16	19	93	13	1,270
Vancouver Harbour	34	2,043	31	15	22	13	129
Vancouver International	2	22,924	31	8	71	31	844
Victoria International	8	11,193	21	11	105	4	642
Whitehorse International	40	1,158	17	10	29	17	81
Windsor	38	1,276	31	15	26	31	107
Winnipeg/James Armstrong Richardson International	9	9,555	8	15	40	28	409
Winnipeg/St. Andrews	21	4,195	13	14	78	28	351
Yellowknife	28	3,450	29	10	26	29	199

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	40	592	13	11	31	13	107
Campbell River	14	1,520	5	11	32	5	138
Castlegar	50	271	5	12	8	31	28
Charlottetown	37	655	5	15	11	21	36
Churchill	38	615	21	14	13	21	38
Cranbrook	32	899	6	10	18	6	57
Deer Lake	19	1,409	10	9	25	10	106
Fort Nelson	31	992	27	11	14	27	62
Fort St. John	15	1,512	24	10	41	17	92
Grande Prairie	1	3,527	25	14	47	10	228
High Level	48	394	10	15	11	23	32
Îles-de-la-Madeleine	49	350	15	22	5	15	21
Inuvik/Mike Zubko	44	536	13	11	15	13	38
Iqaluit	23	1,177	20	15	19	20	70
Kamloops	5	2,416	3	10	40	3	170
Kenora	33	745	19	13	17	20	68
Kingston	28	1,075	22	18	21	9	77
Kuujuuaq	35	677	14	12	7	10	36
La Grande Rivière	45	524	21	10	7	17	28
La Ronge	17	1,459	3	14	23	16	112
Lethbridge	20	1,336	17	14	40	25	118
Lloydminster	30	1,038	10	16	29	10	100
Medicine Hat	22	1,317	25	12	24	23	103
Mont-Joli	46	512	7	8	7	7	32
Montréal/Mirabel International	6	2,410	22	14	43	16	274
Nanaimo	11	1,799	6	14	34	4	145
Norman Wells	36	664	17	13	13	20	43
North Bay	2	3,513	14	11	99	20	393
Ottawa/Gatineau	12	1,542	13	12	60	13	244
Peace River	41	591	26	14	11	8	32
Penticton	26	1,097	15	16	34	28	110
Port Hardy	47	500	17	11	12	17	38
Prince Albert	16	1,504	23	13	21	16	97
Prince Rupert	51	266	29	12	13	29	27
Rankin Inlet	34	714	17	18	9	29	47
Red Deer Regional	3	2,611	18	12	49	18	211
Rouyn-Noranda	27	1,076	21	15	9	28	81
Saint John	24	1,163	9	18	23	10	76
Sept-Îles	10	1,879	24	15	36	16	125
Sioux Lookout	7	2,341	27	16	22	8	125
Smithers	39	597	6	11	56	6	90
St. Catharines	42	572	22	14	24	12	80
Sudbury	4	2,416	21	14	34	20	161
Terrace	13	1,525	15	10	38	15	152
Thompson	8	2,264	30	16	19	14	118
Timmins	9	2,167	18	13	16	15	91
Val-d'Or	29	1,061	13	16	24	31	71
Victoria Harbour	18	1,451	13	9	14	30	80
Wabush	25	1,135	7	11	13	7	71
Whitecourt	21	1,322	20	13	36	14	104
Williams Lake	43	546	31	16	9	31	40

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	21	2,892	21	14	29	21	183
Boundary Bay	24	2,658	4	15	48	31	310
Calgary International	3	20,527	23	18	64	30	793
Calgary/Springbank	13	4,483	17	16	37	19	261
Chicoutimi/St-Honoré	40	385	30	10	8	30	38
Edmonton International	5	13,915	29	8	51	28	568
Edmonton/Villeneuve	37	944	12	15	13	18	80
Fort McMurray	15	3,882	22	13	21	22	193
Fredericton International	18	3,290	13	15	26	21	256
Gander International	33	1,456	25	15	13	24	92
Halifax/Robert L. Stanfield International	9	5,642	30	15	20	24	229
Hamilton	29	1,698	22	1	10	28	88
Kelowna	16	3,844	4	14	23	14	174
Kitchener/Waterloo	27	1,955	21	14	29	21	189
Langley	32	1,466	25	16	27	25	133
London	25	2,228	9	13	18	14	170
Moncton/Greater Moncton International	23	2,669	30	11	21	30	183
Montréal/Pierre Elliott Trudeau International	4	17,520	16	18	61	16	665
Montréal/St-Hubert	22	2,844	18	12	47	16	338
Oshawa	39	747	14	18	21	14	92
Ottawa/Macdonald-Cartier International	6	9,065	31	15	37	16	432
Pitt Meadows	34	1,267	25	14	25	25	125
Prince George	28	1,761	30	9	15	30	89
Québec/Jean Lesage International	11	5,350	30	14	26	30	264
Regina International	17	3,314	22	11	16	22	153
Saskatoon/John G. Diefenbaker International	12	5,047	16	16	28	16	288
Sault Ste. Marie	30	1,557	15	10	16	15	102
St. John's International	20	3,010	21	16	14	14	136
St-Jean	41	203	18	13	10	18	52
Thunder Bay	14	4,294	15	15	27	17	251
Toronto/Billy Bishop Toronto City	8	5,768	12	14	32	31	260
Toronto/Buttonville Municipal	36	955	14	14	17	14	101
Toronto/Lester B. Pearson International	1	34,339	16	19	93	9	1,261
Vancouver Harbour	26	2,039	31	15	22	13	129
Vancouver International	2	22,844	31	8	71	31	844
Victoria International	10	5,623	4	11	42	3	287
Whitehorse International	38	856	30	14	10	30	49
Windsor	35	1,022	12	15	11	31	61
Winnipeg/James Armstrong Richardson International	7	8,849	8	18	29	22	355
Winnipeg/St. Andrews	31	1,515	17	13	21	17	120
Yellowknife	19	3,116	15	10	20	29	147

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	47	333	17	13	6	9	20
Campbell River	20	1,004	20	16	11	25	59
Castlegar	51	227	22	15	6	31	20
Charlottetown	35	569	2	18	5	21	28
Churchill	33	593	3	19	7	3	32
Cranbrook	27	849	5	14	7	26	38
Deer Lake	13	1,305	3	8	10	29	62
Fort Nelson	22	946	27	11	14	27	62
Fort St. John	12	1,312	8	11	16	17	76
Grande Prairie	1	2,279	10	11	16	10	128
High Level	46	374	10	12	6	22	27
Îles-de-la-Madeleine	48	330	3	11	3	28	19
Inuvik/Mike Zubko	40	520	17	14	8	8	37
Iqaluit	17	1,151	16	12	11	10	54
Kamloops	7	1,646	14	14	12	14	78
Kenora	34	585	9	15	6	20	40
Kingston	28	785	1	11	19	9	49
Kuujuuaq	31	669	14	12	7	10	36
La Grande Rivière	42	516	21	10	7	17	26
La Ronge	14	1,303	3	9	14	16	90
Lethbridge	21	968	19	11	13	20	59
Lloydminster	30	688	18	15	10	18	49
Medicine Hat	23	930	6	19	14	16	64
Mont-Joli	43	504	7	8	7	31	30
Montréal/Mirabel International	26	856	2	22	7	16	52
Nanaimo	11	1,361	4	12	23	4	101
Norman Wells	32	612	14	12	8	20	41
North Bay	16	1,165	14	9	11	31	79
Ottawa/Gatineau	45	434	18	11	9	16	47
Peace River	36	563	10	16	7	8	32
Penticton	38	525	15	16	12	23	47
Port Hardy	44	440	28	16	12	23	24
Prince Albert	9	1,444	7	13	18	16	97
Prince Rupert	50	266	29	12	13	29	27
Rankin Inlet	29	700	17	18	9	29	47
Red Deer Regional	8	1,471	18	13	16	18	87
Rouyn-Noranda	19	1,052	21	15	9	28	77
Saint John	24	917	10	10	7	30	51
Sept-Îles	6	1,789	9	10	13	9	104
Sioux Lookout	2	2,269	31	12	15	8	113
Smithers	41	519	6	10	8	6	30
St. Catharines	49	316	30	11	8	9	38
Sudbury	5	2,040	9	18	14	20	111
Terrace	15	1,191	15	16	12	15	64
Thompson	3	2,216	30	16	19	30	115
Timmins	4	2,123	9	16	12	31	90
Val-d'Or	25	875	16	14	7	16	45
Victoria Harbour	10	1,443	13	9	14	30	80
Wabush	18	1,131	7	11	13	7	69
Whitecourt	37	540	16	10	11	16	48
Williams Lake	39	522	15	9	7	31	36

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	5,300	10	11	112	10	434
Boundary Bay	4	3,956	25	15	82	22	340
Calgary International	38	104	11	10	12	11	14
Calgary/Springbank	1	6,870	14	10	68	16	430
Chicoutimi/St-Honoré	23	824	31	15	88	31	172
Edmonton International	28	502	30	11	26	17	62
Edmonton/Villeneuve	9	2,578	9	15	58	26	296
Fort McMurray	33	272	23	14	32	23	62
Fredericton International	5	3,560	15	16	50	29	302
Gander International	21	970	6	12	28	6	156
Halifax/Robert L. Stanfield International	35	186	24	10	12	24	26
Hamilton	30	342	14	14	22	14	62
Kelowna	16	1,678	27	18	48	27	234
Kitchener/Waterloo	10	2,570	23	13	62	14	302
Langley	13	1,920	24	14	42	31	138
London	15	1,780	31	13	56	31	236
Moncton/Greater Moncton International	18	1,220	21	18	28	21	196
Montréal/Pierre Elliott Trudeau International	40	44	11	18	6	11	6
Montréal/St-Hubert	6	2,924	16	13	96	16	726
Oshawa	25	712	16	10	40	9	80
Ottawa/Macdonald-Cartier International	12	2,250	16	11	42	16	270
Pitt Meadows	11	2,426	21	14	94	31	346
Prince George	24	754	31	11	40	27	126
Québec/Jean Lesage International	20	1,178	16	15	44	16	168
Regina International	22	826	17	12	24	16	104
Saskatoon/John G. Diefenbaker International	14	1,838	28	16	40	21	214
Sault Ste. Marie	17	1,402	14	9	84	29	198
St. John's International	36	146	27	12	14	27	32
St-Jean	29	398	16	15	28	16	70
Thunder Bay	7	2,688	31	21	76	17	368
Toronto/Billy Bishop Toronto City	19	1,210	8	13	28	22	146
Toronto/Buttonville Municipal	27	506	14	14	48	14	134
Toronto/Lester B. Pearson International	37	112	13	10	10	6	18
Vancouver Harbour	41	4	18	13	2	18	2
Vancouver International	39	80	24	15	6	24	20
Victoria International	2	5,570	21	11	76	4	384
Whitehorse International	32	302	17	10	26	17	44
Windsor	34	254	31	15	20	31	46
Winnipeg/James Armstrong Richardson International	26	706	8	15	20	28	60
Winnipeg/St. Andrews	8	2,680	13	14	66	18	258
Yellowknife	31	334	30	17	14	29	52

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	17	259	13	11	30	13	87
Campbell River	9	516	5	11	30	5	96
Castlegar	36	44	5	12	4	15	10
Charlottetown	26	86	5	15	10	14	14
Churchill	41	22	21	14	10	21	18
Cranbrook	32	50	6	10	16	6	22
Deer Lake	24	104	10	9	22	10	58
Fort Nelson	34	46	3	15	10	3	20
Fort St. John	20	200	24	10	40	24	40
Grande Prairie	3	1,248	19	14	38	19	138
High Level	42	20	10	15	8	10	8
Îles-de-la-Madeleine	43	20	15	22	4	15	6
Inuvik/Mike Zubko	44	16	13	11	10	13	10
Iqaluit	38	26	20	15	14	20	18
Kamloops	7	770	3	11	34	3	98
Kenora	22	160	20	14	14	8	34
Kingston	16	290	12	16	16	12	40
Kuujuuaq	47	8	2	11	2	4	4
La Grande Rivière	48	8	7	13	2	7	2
La Ronge	23	156	3	14	18	5	24
Lethbridge	13	368	17	14	32	25	70
Lloydminster	14	350	10	16	22	10	62
Medicine Hat	11	387	25	12	18	23	42
Mont-Joli	49	8	7	11	4	7	4
Montréal/Mirabel International	2	1,554	30	10	40	16	222
Nanaimo	10	438	6	14	20	14	48
Norman Wells	31	52	30	19	8	17	12
North Bay	1	2,348	14	11	98	20	322
Ottawa/Gatineau	5	1,108	13	12	54	13	212
Peace River	37	28	26	14	8	25	10
Penticton	8	572	13	11	22	28	80
Port Hardy	30	60	17	11	10	17	18
Prince Albert	29	60	23	13	10	23	26
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	45	14	10	11	4	10	4
Red Deer Regional	4	1,140	18	12	38	18	124
Rouyn-Noranda	39	24	5	12	4	5	6
Saint John	19	246	9	18	20	9	36
Sept-Îles	25	90	24	15	26	16	42
Sioux Lookout	28	72	27	16	12	25	16
Smithers	27	78	6	11	50	6	60
St. Catharines	18	256	22	14	20	12	56
Sudbury	12	376	5	14	26	20	50
Terrace	15	334	15	10	34	15	88
Thompson	33	48	9	14	6	14	16
Timmins	35	44	18	13	12	18	12
Val-d'Or	21	186	13	16	20	13	34
Victoria Harbour	46	8	2	8	2	2	6
Wabush	50	4	7	12	2	7	2
Whitecourt	6	782	20	13	32	12	64
Williams Lake	40	24	15	13	4	15	6

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	5,294	10	11	112	10	434
Boundary Bay	4	3,956	25	15	82	22	340
Calgary International	38	104	11	10	12	11	14
Calgary/Springbank	1	6,870	14	10	68	16	430
Chicoutimi/St-Honoré	22	810	31	15	88	31	172
Edmonton International	28	496	30	11	26	17	62
Edmonton/Villeneuve	9	2,578	9	15	58	26	296
Fort McMurray	33	272	23	14	32	23	62
Fredericton International	5	3,554	15	16	50	29	302
Gander International	21	970	6	12	28	6	156
Halifax/Robert L. Stanfield International	35	174	24	10	12	24	26
Hamilton	30	342	14	14	22	14	62
Kelowna	16	1,676	27	18	48	27	234
Kitchener/Waterloo	10	2,570	23	13	62	14	302
Langley	13	1,920	24	14	42	31	138
London	14	1,778	31	13	56	31	236
Moncton/Greater Moncton International	18	1,212	21	18	28	21	194
Montréal/Pierre Elliott Trudeau International	40	42	11	18	6	11	6
Montréal/St-Hubert	6	2,924	16	13	96	16	726
Oshawa	24	712	16	10	40	9	80
Ottawa/Macdonald-Cartier International	12	2,244	16	11	42	16	270
Pitt Meadows	11	2,426	21	14	94	31	346
Prince George	23	754	31	11	40	27	126
Québec/Jean Lesage International	20	1,172	16	15	44	16	166
Regina International	26	602	17	12	24	16	86
Saskatoon/John G. Diefenbaker International	15	1,740	28	16	40	21	214
Sault Ste. Marie	17	1,402	14	9	84	29	198
St. John's International	36	146	27	12	14	27	32
St-Jean	29	398	16	15	28	16	70
Thunder Bay	7	2,688	31	21	76	17	368
Toronto/Billy Bishop Toronto City	19	1,210	8	13	28	22	146
Toronto/Buttonville Municipal	27	506	14	14	48	14	134
Toronto/Lester B. Pearson International	37	112	13	10	10	6	18
Vancouver Harbour	41	4	18	13	2	18	2
Vancouver International	39	80	24	15	6	24	20
Victoria International	2	5,568	21	11	76	4	384
Whitehorse International	32	302	17	10	26	17	44
Windsor	34	254	31	15	20	31	46
Winnipeg/James Armstrong Richardson International	25	706	8	15	20	28	60
Winnipeg/St. Andrews	8	2,680	13	14	66	18	258
Yellowknife	31	334	30	17	14	29	52

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	18	239	13	11	30	13	87
Campbell River	9	516	5	11	30	5	96
Castlegar	35	44	5	12	4	15	10
Charlottetown	26	86	5	15	10	14	14
Churchill	40	22	21	14	10	21	18
Cranbrook	32	50	6	10	16	6	22
Deer Lake	24	104	10	9	22	10	58
Fort Nelson	34	46	3	15	10	3	20
Fort St. John	20	200	24	10	40	24	40
Grande Prairie	3	1,248	19	14	38	19	138
High Level	43	20	10	15	8	10	8
Îles-de-la-Madeleine	42	20	15	22	4	15	6
Inuvik/Mike Zubko	44	16	13	11	10	13	10
Iqaluit	38	26	20	15	14	20	18
Kamloops	7	770	3	11	34	3	98
Kenora	22	160	20	14	14	8	34
Kingston	16	290	12	16	16	12	40
Kuujuuaq	46	8	2	11	2	4	4
La Grande Rivière	48	8	7	13	2	7	2
La Ronge	23	156	3	14	18	5	24
Lethbridge	13	364	17	14	32	25	70
Lloydminster	14	350	10	16	22	10	62
Medicine Hat	11	381	25	12	18	23	42
Mont-Joli	47	8	7	11	4	7	4
Montréal/Mirabel International	2	1,540	30	10	40	16	212
Nanaimo	10	434	6	14	20	14	46
Norman Wells	31	52	30	19	8	17	12
North Bay	1	2,346	14	11	98	20	322
Ottawa/Gatineau	5	1,108	13	12	54	13	212
Peace River	37	28	26	14	8	25	10
Penticton	8	572	13	11	22	28	80
Port Hardy	29	58	17	11	10	17	18
Prince Albert	30	58	23	13	10	23	26
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	45	14	10	11	4	10	4
Red Deer Regional	4	1,140	18	12	38	18	124
Rouyn-Noranda	39	24	5	12	4	5	6
Saint John	19	224	9	18	20	9	36
Sept-Îles	25	90	24	15	26	16	42
Sioux Lookout	28	72	27	16	12	25	16
Smithers	27	78	6	11	50	6	60
St. Catharines	17	256	22	14	20	12	56
Sudbury	12	376	5	14	26	20	50
Terrace	15	334	15	10	34	15	88
Thompson	33	48	9	14	6	14	16
Timmins	36	44	18	13	12	18	12
Val-d'Or	21	178	13	16	20	31	34
Victoria Harbour	49	8	2	8	2	2	6
Wabush	50	4	7	12	2	7	2
Whitecourt	6	782	20	13	32	12	64
Williams Lake	41	22	15	13	4	15	6

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	6	6	24	15	6	24	6
Boundary Bay	0	0	0	0	0	0	0
Calgary International	0	0	0	0	0	0	0
Calgary/Springbank	0	0	0	0	0	0	0
Chicoutimi/St-Honoré	3	14	14	15	6	14	6
Edmonton International	8	6	8	15	2	8	2
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	0	0	0	0	0	0	0
Fredericton International	7	6	8	14	4	8	4
Gander International	0	0	0	0	0	0	0
Halifax/Robert L. Stanfield International	4	12	3	14	4	3	4
Hamilton	0	0	0	0	0	0	0
Kelowna	13	2	8	10	2	8	2
Kitchener/Waterloo	0	0	0	0	0	0	0
Langley	0	0	0	0	0	0	0
London	12	2	1	13	2	1	2
Moncton/Greater Moncton International	5	8	8	18	4	8	6
Montréal/Pierre Elliott Trudeau International	11	2	24	14	2	24	2
Montréal/St-Hubert	0	0	0	0	0	0	0
Oshawa	0	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	9	6	17	12	2	17	2
Pitt Meadows	0	0	0	0	0	0	0
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	10	6	16	9	2	16	2
Regina International	1	224	17	17	8	29	26
Saskatoon/John G. Diefenbaker International	2	98	7	17	22	7	22
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	0	0	0	0	0	0	0
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	14	2	14	11	2	14	2
Whitehorse International	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	2	20	20	12	12	20	12
Campbell River	0	0	0	0	0	0	0
Castlegar	0	0	0	0	0	0	0
Charlottetown	0	0	0	0	0	0	0
Churchill	0	0	0	0	0	0	0
Cranbrook	0	0	0	0	0	0	0
Deer Lake	0	0	0	0	0	0	0
Fort Nelson	0	0	0	0	0	0	0
Fort St. John	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0
Kenora	0	0	0	0	0	0	0
Kingston	0	0	0	0	0	0	0
Kuujuuaq	0	0	0	0	0	0	0
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	0	0	0	0	0	0	0
Lethbridge	7	4	23	13	4	23	4
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	5	6	22	15	2	22	4
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	3	14	16	16	10	16	10
Nanaimo	6	4	9	12	2	9	2
Norman Wells	0	0	0	0	0	0	0
North Bay	8	2	16	18	2	16	2
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	9	2	9	10	2	9	2
Prince Albert	10	2	10	13	2	10	2
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	1	22	24	14	18	24	18
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	4	8	9	15	4	9	4
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	11	2	8	9	2	8	2

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

On January 7th, 2014, Toronto/Lester B. Pearson International Airport experienced a ground stop caused by extreme cold which prevented North American flights from landing for approximately eight hours.

Significant winter storms struck much of Ontario, Quebec and the Maritime provinces forcing flight cancellations and delays across Canada in December 2013.

On November 30th, 2013 (4:49pm), Edmonton City Centre Airport officially closed.

On November 25th, 2013, Air Canada rouge began year round flying between Toronto/Lester B. Pearson International Airport and Orlando, Florida with 3 daily departures and two more starting on December 14th, 2013.

On October 28th, 2013, Westjet launched a new non-stop seasonal service between Calgary International Airport and Miami International Airport. The airline will start service four times a week until December 14th. Effective December 16th the service increases to six times weekly.

On October 27th, 2013, Air Canada rouge launched service between Toronto/Lester B. Pearson International Airport and Las Vegas. The airline will offer ten flights per week for the winter 2013-2014 season.

In July 2013, Air Canada began operations of its new leisure subsidiary Air Canada rouge. Flying out of Toronto/Lester B. Pearson International Airport and Montréal/Pierre Elliott Trudeau International, the new carrier will initially serve three European and ten Caribbean and Latin American destinations.

On June 24th, 2013, Westjet launched its new regional carrier, Westjet Encore, into operations. The new airline commenced flights to Fort St. John, Nanaimo, Vancouver and Victoria, British Columbia and Saskatoon, Saskatchewan.

Starting April 2013, Porter Airlines added a fourth round-trip weekday flight between Toronto/Billy Bishop Toronto City Airport and Windsor.

In April 2013, Westjet expanded its summer service from Hamilton Airport by adding daily non-stop flights to Edmonton, Halifax, Moncton and Winnipeg.

Significant winter storms struck eastern Canada and the Maritime provinces in December 2012 forcing numerous flight cancellations and delays.

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.