

Catalogue no. 51-007-X

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



October 2010



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 at www.statcan.gc.ca, e-mail us at infostats@statcan.gc.ca, or telephone us, Monday to Friday from 8:30 a.m. to 4:30 p.m., at the following numbers:

Statistics Canada's National Contact Centre

Toll-free telephone (Canada and the United States):

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

Local or international calls:

Inquiries line	1-613-951-8116
Fax line	1-613-951-0581

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 at 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, Statistics Canada 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 on 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)

October 2010

Published by authority of the Minister responsible for Statistics Canada

© Minister of Industry, 2010 and the © Minister of Transport, 2010

All rights reserved. The content of this electronic publication may be reproduced, in whole or in part, and by any means, without further permission from Statistics Canada, subject to the following conditions: that it be done solely for the purposes of private study, research, criticism, review or newspaper summary, and/or for non-commercial purposes; and that Statistics Canada be fully acknowledged as follows: Source (or "Adapted from", if appropriate): Statistics Canada, year of publication, name of product, catalogue number, volume and issue numbers, reference period and page(s). Otherwise, no part of this publication may be reproduced, stored in a retrieval system or transmitted in any form, by any means—electronic, mechanical or photocopy—or for any purposes without prior written permission of Licensing Services, Client Services Division, Statistics Canada, Ottawa, Ontario, Canada K1A 0T6.

November 2010

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

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 **Fred Barzyk**, Assistant Director, Transportation Division and **Norah Hillary**, Chief, Aviation Statistics Centre. **Kathie Davidson**, **Rose Krakower**, **John Scolli**, **Bev Pomfret** and **Jim Charinos** 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 the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations increased 5.7% in October 2010 from October 2009. These airports reported 501,678 movements in October compared with 474,794 movements in October 2009.

There were 346,855 itinerant movements (flights from one airport to another) reported in October 2010. This represents a 2.1% increase (+7,221 movements) compared with the same month a year earlier.

There were 154,823 local movements (flights that remain in the vicinity of the airport) recorded in October 2010. Calgary/Springbank, Alberta recorded the largest gain, increasing by 2,931 local movements (+50.0%).

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

	NAV CANADA towers		NAV CANADA Flight Service Stations		Total	
	number	percent	number	percent	number	percent
Grand total	408,719	7.9	92,959	-3.1	501,678	5.7
Itinerant movements						
Air carriers	210,023	2.0	50,983	-4.7	261,006	0.6
Other commercial movements	29,278	7.4	3,529	7.5	32,807	7.4
Private movements	29,443	7.7	11,123	8.2	40,566	7.8
Government civil movements	4,501	7.8	1,861	-4.2	6,362	4.0
Government military movements	4,619	6.8	1,495	-10.2	6,114	2.1
Itinerant total	277,864	3.3	68,991	-2.4	346,855	2.1
Local movements						
Civil local movements	130,257	19.8	23,509	-6.5	153,766	14.8
Military local movements	598	-46.3	459	232.6	1,057	-15.5
Local total	130,855	19.1	23,968	-5.2	154,823	14.5

Analysis

Aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations increased 5.7% in October 2010 from October 2009. These airports reported 501,678 movements in October compared with 474,794 movements in October 2009. Toronto/Lester B Pearson International, Ontario (35,434 movements) followed by Vancouver International, British Columbia (24,577 movements) were the most active sites in October 2010. Year-over-year increases were reported by 61 airports.

There were 346,855 itinerant movements (flights from one airport to another) reported in October 2010. This represents a 2.1% increase (+7,221 movements) compared with the same month a year earlier. The year-over-year variations ranged from an increase of 82.1% for Fort Nelson, British Columbia to a decline of 62.2% for St. Catharines, Ontario. Year-over-year increases in the number of itinerant aircraft movements were reported by 59 airports in October 2010.

In October 2010, there were 154,823 local movements (flights that remain in the vicinity of the airport) recorded. Calgary/Springbank, Alberta recorded the largest gain, increasing by 2,931 local movements (+50.0%).

Itinerant movements: domestic, transborder and international

There were 294,180 domestic itinerant movements reported in October 2010, up 1.4% (+3,960 movements) from October 2009. Vancouver International, British Columbia (18,407) followed by Calgary International, Alberta (15,546) reported the greatest number of domestic itinerant movements.

Seventy-nine airports reported 43,429 transborder itinerant movements (between Canada and the United States) in October 2010, up 6.8% (+2,747 movements) from the previous year. Toronto/Lester B Pearson International, Ontario (15,945) reported the greatest number of transborder itinerant movements. This represents 36.7% of the total transborder itinerant movements.

Thirty-eight airports reported 9,245 other international itinerant movements in October 2010, up 5.9% (+513 movements) from the previous year. Toronto/Lester B Pearson International, Ontario (4,286) recorded the greatest number of other international itinerant movements. This represents 46.4% of the total 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)
51-206-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 gross 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 gross 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 gross 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 gross 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	22	7,862	31	3,470	14	4,392
Boundary Bay	7	15,683	12	6,115	1	9,568
Calgary International	3	19,720	3	19,569	39	151
Calgary/Springbank	9	13,341	21	4,551	3	8,790
Chicoutimi/St-Honoré	27	6,702	42	1,428	9	5,274
Edmonton City Centre	30	5,453	20	4,569	30	884
Edmonton International	16	10,899	6	10,547	37	352
Edmonton/Villeneuve	28	6,412	35	2,484	16	3,928
Fort McMurray	32	4,971	22	4,333	33	638
Fredericton International	24	7,615	28	3,769	17	3,846
Gander International	39	3,464	38	2,124	26	1,340
Halifax/Robert L Stanfield International	25	7,353	11	6,932	36	421
Hamilton	36	3,889	33	2,745	29	1,144
Kelowna	26	6,791	23	4,167	22	2,624
Kitchener/Waterloo	18	9,990	25	4,016	7	5,974
Langley	23	7,771	29	3,653	15	4,118
London	14	11,079	16	5,611	8	5,468
Moncton/Greater Moncton International	17	10,087	17	5,383	11	4,704
Montréal/Pierre Elliott Trudeau International	4	18,653	4	18,541	40	112
Montréal/St-Hubert	6	16,985	8	7,863	2	9,122
Oshawa	31	5,360	34	2,656	21	2,704
Ottawa/Macdonald-Cartier International	5	17,048	5	12,026	10	5,022
Pitt Meadows	13	11,119	19	4,945	6	6,174
Prince George	40	3,317	39	1,951	25	1,366
Québec/Jean Lesage International	15	10,909	10	7,767	18	3,142
Regina International	29	5,491	26	3,950	24	1,541
Saskatoon/John G Diefenbaker International	21	8,486	15	5,646	20	2,840
Sault Ste. Marie	33	4,367	37	2,149	23	2,218
St. John's International	35	3,990	30	3,555	35	435
St-Jean	38	3,480	36	2,215	27	1,265
Thunder Bay	19	9,547	18	5,067	12	4,480
Toronto/Billy Bishop Toronto City	20	8,912	13	5,900	19	3,012
Toronto/Buttonville Municipal	8	14,502	14	5,864	4	8,638
Toronto/Lester B Pearson International	1	35,434	1	35,248	38	186
Vancouver Harbour	37	3,855	27	3,851	42	4
Vancouver International	2	24,577	2	24,539	41	38
Victoria International	10	12,233	9	7,789	13	4,444
Whitehorse International	41	2,355	40	1,667	31	688
Windsor	42	1,969	41	1,443	34	526
Winnipeg/James Armstrong Richardson International	11	11,613	7	10,363	28	1,250
Winnipeg/St. Andrews	12	11,415	24	4,067	5	7,348
Yellowknife	34	4,020	32	3,336	32	684
Total of NAV CANADA towers (42)	.	408,719	.	277,864	.	130,855

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	9	2,872	10	2,016	11	856
Campbell River	19	2,089	26	1,209	10	880
Castlegar	36	1,103	42	729	19	374
Charlottetown	26	1,450	27	1,176	24	274
Churchill	40	927	37	909	41	18
Cranbrook	33	1,247	35	963	23	284
Deer Lake	32	1,253	22	1,245	44	8
Fort Nelson	20	2,042	14	1,834	27	208
Fort St John	18	2,155	12	1,859	22	296
Grande Prairie	5	3,288	3	2,514	13	774
High Level	38	1,014	36	944	32	70
Îles-de-la-Madeleine	50	456	50	456	0	0
Inuvik/Mike Zubko	35	1,107	30	1,081	38	26
Iqaluit	24	1,710	18	1,546	29	164
Kamloops	6	3,217	16	1,797	5	1,420
Kenora	28	1,377	38	891	15	486
Kingston	3	3,583	13	1,853	3	1,730
Kuujuuaq	39	983	34	969	42	14
La Grande Rivière	41	888	39	884	46	4
La Ronge	31	1,315	28	1,157	30	158
Lethbridge	14	2,389	21	1,359	8	1,030
Lloydminster	43	882	44	694	28	188
Medicine Hat	27	1,409	31	1,039	20	370
Mont-Joli	49	572	49	568	47	4
Montréal/Mirabel International	4	3,528	8	2,104	4	1,424
Nanaimo	7	3,176	7	2,164	9	1,012
Norman Wells	46	716	45	694	39	22
North Bay	1	5,221	11	1,939	1	3,282
Ottawa/Gatineau	2	4,132	15	1,816	2	2,316
Peace River	47	625	47	603	40	22
Penticton	15	2,351	24	1,237	7	1,114
Port Hardy	48	604	48	602	49	2
Prince Albert	25	1,547	19	1,517	36	30
Prince Rupert	51	245	51	239	45	6
Rankin Inlet	37	1,024	32	1,014	43	10
Red Deer Regional	13	2,418	17	1,616	12	802
Rouyn-Noranda	21	1,976	25	1,226	14	750
Saint John	22	1,829	20	1,385	17	444
Sept-Îles	10	2,830	4	2,372	16	458
Sioux Lookout	17	2,276	6	2,224	35	52
Smithers	44	840	41	772	33	68
St Catharines	29	1,359	33	979	18	380
Sudbury	12	2,700	5	2,344	21	356
Terrace	42	883	40	883	0	0
Thompson	8	3,103	1	2,999	31	104
Timmins	16	2,339	9	2,085	25	254
Val-d'Or	30	1,341	29	1,119	26	222
Victoria Harbour	11	2,821	2	2,795	37	26
Wabush	34	1,244	23	1,242	48	2
Whitecourt	23	1,748	46	632	6	1,116
Williams Lake	45	755	43	697	34	58
Total of all flight service stations (51)	.	92,959	.	68,991	.	23,968

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	7,858	2,666	800	4,392	4	4	0
Boundary Bay	15,681	4,766	1,347	9,568	2	2	0
Calgary International	19,638	18,268	1,220	150	82	81	1
Calgary/Springbank	13,336	3,083	1,463	8,790	5	5	0
Chicoutimi/St-Honoré	6,695	1,298	127	5,270	7	3	4
Edmonton City Centre	5,445	3,281	1,284	880	8	4	4
Edmonton International	10,876	10,032	495	349	23	20	3
Edmonton/Villeneuve	5,129	821	380	3,928	1,283	1,283	0
Fort McMurray	4,971	3,899	434	638	0	0	0
Fredericton International	7,559	3,520	197	3,842	56	52	4
Gander International	3,274	1,579	355	1,340	190	190	0
Halifax/Robert L Stanfield International	7,167	6,447	318	402	186	167	19
Hamilton	3,877	2,122	615	1,140	12	8	4
Kelowna	6,762	3,517	626	2,619	29	24	5
Kitchener/Waterloo	9,984	3,065	945	5,974	6	6	0
Langley	7,770	2,125	1,527	4,118	1	1	0
London	11,067	4,813	796	5,458	12	2	10
Moncton/Greater Moncton International	10,062	5,051	323	4,688	25	9	16
Montréal/Pierre Elliott Trudeau International	18,641	16,981	1,550	110	12	10	2
Montréal/St-Hubert	16,869	6,486	1,261	9,122	116	116	0
Oshawa	5,357	1,622	1,031	2,704	3	3	0
Ottawa/Macdonald-Cartier International	16,828	10,901	921	5,006	220	204	16
Pitt Meadows	10,065	2,419	1,472	6,174	1,054	1,054	0
Prince George	3,316	1,611	339	1,366	1	1	0
Québec/Jean Lesage International	10,879	6,432	1,311	3,136	30	24	6
Regina International	5,159	3,158	718	1,283	332	74	258
Saskatoon/John G Diefenbaker International	8,207	4,523	1,038	2,646	279	85	194
Sault Ste. Marie	4,357	1,935	205	2,217	10	9	1
St. John's International	3,802	3,085	293	424	188	177	11
St-Jean	2,961	815	881	1,265	519	519	0
Thunder Bay	9,483	4,659	358	4,466	64	50	14
Toronto/Billy Bishop Toronto City	8,895	5,335	553	3,007	17	12	5
Toronto/Buttonville Municipal	14,499	3,056	2,808	8,635	3	0	3
Toronto/Lester B Pearson International	35,420	34,071	1,163	186	14	14	0
Vancouver Harbour	3,855	3,806	45	4	0	0	0
Vancouver International	24,561	23,259	1,264	38	16	16	0
Victoria International	12,090	6,118	1,542	4,430	143	129	14
Whitehorse International	2,351	1,403	260	688	4	4	0
Windsor	1,961	1,058	377	526	8	8	0
Winnipeg/James Armstrong Richardson International	11,419	9,443	730	1,246	194	190	4
Winnipeg/St. Andrews	11,399	3,618	433	7,348	16	16	0
Yellowknife	3,977	3,154	139	684	43	43	0
Total of NAV CANADA towers (42)	403,502	239,301	33,944	130,257	5,217	4,619	598

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	2,128	512	808	808	744	696	48
Campbell River	2,087	882	325	880	2	2	0
Castlegar	1,081	617	90	374	22	22	0
Charlottetown	1,422	960	188	274	28	28	0
Churchill	925	851	56	18	2	2	0
Cranbrook	1,221	633	304	284	26	26	0
Deer Lake	1,247	1,184	55	8	6	6	0
Fort Nelson	2,006	1,647	151	208	36	36	0
Fort St John	2,153	1,630	227	296	2	2	0
Grande Prairie	3,232	1,988	470	774	56	56	0
High Level	1,014	873	71	70	0	0	0
Îles-de-la-Madeleine	450	398	52	0	6	6	0
Inuvik/Mike Zubko	1,093	1,028	39	26	14	14	0
Iqaluit	1,697	1,233	300	164	13	13	0
Kamloops	3,209	1,257	532	1,420	8	8	0
Kenora	1,316	679	177	460	61	35	26
Kingston	3,537	1,287	524	1,726	46	42	4
Kuujuuaq	983	919	50	14	0	0	0
La Grande Rivière	876	820	52	4	12	12	0
La Ronge	1,315	1,017	140	158	0	0	0
Lethbridge	2,345	874	471	1,000	44	14	30
Lloydminster	864	384	292	188	18	18	0
Medicine Hat	1,395	763	264	368	14	12	2
Mont-Joli	564	523	37	4	8	8	0
Montréal/Mirabel International	3,478	1,560	510	1,408	50	34	16
Nanaimo	2,804	1,231	878	695	372	55	317
Norman Wells	716	687	7	22	0	0	0
North Bay	5,054	1,307	465	3,282	167	167	0
Ottawa/Gatineau	4,122	985	821	2,316	10	10	0
Peace River	625	530	73	22	0	0	0
Penticton	2,283	852	321	1,110	68	64	4
Port Hardy	592	460	130	2	12	12	0
Prince Albert	1,523	1,295	198	30	24	24	0
Prince Rupert	245	223	16	6	0	0	0
Rankin Inlet	1,020	988	22	10	4	4	0
Red Deer Regional	2,395	778	821	796	23	17	6
Rouyn-Noranda	1,976	1,029	197	750	0	0	0
Saint John	1,818	1,071	309	438	11	5	6
Sept-Îles	2,822	2,127	237	458	8	8	0
Sioux Lookout	2,272	2,125	95	52	4	4	0
Smithers	840	710	62	68	0	0	0
St Catharines	1,357	687	290	380	2	2	0
Sudbury	2,699	1,957	386	356	1	1	0
Terrace	883	850	33	0	0	0	0
Thompson	3,103	2,808	191	104	0	0	0
Timmins	2,335	1,858	223	254	4	4	0
Val-d'Or	1,329	901	206	222	12	12	0
Victoria Harbour	2,811	2,359	426	26	10	10	0
Wabush	1,244	1,145	97	2	0	0	0
Whitecourt	1,748	523	109	1,116	0	0	0
Williams Lake	751	507	186	58	4	4	0
Total of all flight service stations (51)	91,005	54,512	12,984	23,509	1,954	1,495	459

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	3,470	485	1,826	355	720	80	4
Boundary Bay	6,115	13	1,332	3,421	1,321	26	2
Calgary International	19,569	17,044	731	493	1,075	145	81
Calgary/Springbank	4,551	51	495	2,537	1,447	16	5
Chicoutimi/St-Honoré	1,428	339	86	873	123	4	3
Edmonton City Centre	4,569	1,416	493	1,372	911	373	4
Edmonton International	10,547	9,611	233	188	470	25	20
Edmonton/Villeneuve	2,484	9	109	703	369	11	1,283
Fort McMurray	4,333	1,615	2,057	227	396	38	0
Fredericton International	3,769	778	2,736	6	120	77	52
Gander International	2,124	538	1,019	22	312	43	190
Halifax/Robert L. Stanfield International	6,932	5,955	397	95	275	43	167
Hamilton	2,745	1,942	164	16	304	311	8
Kelowna	4,167	2,782	389	346	566	60	24
Kitchener/Waterloo	4,016	438	2,569	58	930	15	6
Langley	3,653	98	217	1,810	1,507	20	1
London	5,611	1,356	902	2,555	720	76	2
Moncton/Greater Moncton International	5,383	1,617	3,428	6	175	148	9
Montréal/Pierre Elliott Trudeau International	18,541	15,903	1,027	51	1,305	245	10
Montréal/St-Hubert	7,863	3,768	582	2,136	1,185	76	116
Oshawa	2,656	72	150	1,400	976	55	3
Ottawa/Macdonald-Cartier International	12,026	7,780	319	2,802	616	305	204
Pitt Meadows	4,945	13	972	1,434	1,430	42	1,054
Prince George	1,951	1,176	397	38	251	88	1
Québec/Jean Lesage International	7,767	4,181	2,003	248	1,027	284	24
Regina International	3,950	2,268	857	33	509	209	74
Saskatoon/John G. Diefenbaker International	5,646	2,900	1,017	606	759	279	85
Sault Ste. Marie	2,149	983	59	893	153	52	9
St. John's International	3,555	2,319	739	27	132	161	177
St-Jean	2,215	236	321	258	851	30	519
Thunder Bay	5,067	2,838	451	1,370	255	103	50
Toronto/Billy Bishop Toronto City	5,900	3,444	977	914	545	8	12
Toronto/Butterville Municipal	5,864	250	2,697	109	2,752	56	0
Toronto/Lester B. Pearson International	35,248	33,456	574	41	1,149	14	14
Vancouver Harbour	3,851	3,469	329	8	44	1	0
Vancouver International	24,539	21,402	1,764	93	772	492	16
Victoria International	7,789	3,267	2,220	631	1,490	52	129
Whitehorse International	1,667	874	480	49	247	13	4
Windsor	1,443	604	432	22	364	13	8
Winnipeg/James Armstrong Richardson International	10,363	9,077	300	66	434	296	190
Winnipeg/St. Andrews	4,067	573	2,091	954	419	14	16
Yellowknife	3,336	2,828	314	12	37	102	43
Total of NAV CANADA towers (42)	277,864	169,768	40,255	29,278	29,443	4,501	4,619

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	2,016	129	317	66	789	19	696
Campbell River	1,209	560	166	156	299	26	2
Castlegar	729	287	48	282	90	0	22
Charlottetown	1,176	703	112	145	150	38	28
Churchill	909	785	61	5	34	22	2
Cranbrook	963	550	61	22	300	4	26
Deer Lake	1,245	953	216	15	15	40	6
Fort Nelson	1,834	404	1,239	4	143	8	36
Fort St John	1,859	799	781	50	223	4	2
Grande Prairie	2,514	1,246	595	147	434	36	56
High Level	944	305	561	7	54	17	0
Îles-de-la-Madeleine	456	216	60	122	2	50	6
Inuvik/Mike Zubko	1,081	899	129	0	6	33	14
Iqaluit	1,546	1,086	139	8	73	227	13
Kamloops	1,797	911	246	100	465	67	8
Kenora	891	392	274	13	135	42	35
Kingston	1,853	504	457	326	488	36	42
Kuujuuaq	969	785	134	0	16	34	0
La Grande Rivière	884	577	179	64	44	8	12
La Ronge	1,157	995	22	0	60	80	0
Lethbridge	1,359	445	94	335	448	23	14
Lloydminster	694	146	217	21	262	30	18
Medicine Hat	1,039	422	294	47	258	6	12
Mont-Joli	568	363	156	4	19	18	8
Montréal/Mirabel International	2,104	771	665	124	510	0	34
Nanaimo	2,164	496	631	104	792	86	55
Norman Wells	694	630	57	0	3	4	0
North Bay	1,939	706	298	303	416	49	167
Ottawa/Gatineau	1,816	270	485	230	772	49	10
Peace River	603	338	188	4	58	15	0
Penticton	1,237	329	487	36	315	6	64
Port Hardy	602	405	53	2	58	72	12
Prince Albert	1,517	1,212	53	30	96	102	24
Prince Rupert	239	187	36	0	8	8	0
Rankin Inlet	1,014	860	122	6	6	16	4
Red Deer Regional	1,616	238	400	140	779	42	17
Rouyn-Noranda	1,226	676	132	221	164	33	0
Saint John	1,385	752	244	75	306	3	5
Sept-Îles	2,372	1,244	832	51	175	62	8
Sioux Lookout	2,224	1,711	410	4	56	39	4
Smithers	772	411	297	2	46	16	0
St Catharines	979	8	661	18	274	16	2
Sudbury	2,344	1,553	334	70	330	56	1
Terrace	883	555	293	2	19	14	0
Thompson	2,999	2,451	347	10	89	102	0
Timmins	2,085	1,604	250	4	204	19	4
Val-d'Or	1,119	817	65	19	172	34	12
Victoria Harbour	2,795	2,348	8	3	310	116	10
Wabush	1,242	704	437	4	87	10	0
Whitecourt	632	14	389	120	91	18	0
Williams Lake	697	437	62	8	180	6	4
Total of all flight service stations (51)	68,991	36,189	14,794	3,529	11,123	1,861	1,495

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

	Itinerant movements					Runway 88
	Total of IFR and VFR flights ¹	Instrument flight rules	Percentage instrument flight rules	Visual flight rules	Percentage visual flight rules	
	number		percent	number	percent	
Abbotsford	3,470	694	20.0	2,776	80.0	1,818
Boundary Bay	6,115	358	5.8	5,757	94.1	637
Calgary International	19,569	18,548	94.7	1,021	5.2	819
Calgary/Springbank	4,551	341	7.4	4,210	92.5	161
Chicoutimi/St-Honoré	1,428	186	13.0	1,242	86.9	96
Edmonton City Centre	4,569	1,855	40.5	2,714	59.4	1,462
Edmonton International	10,547	10,176	96.4	371	3.5	673
Edmonton/Villeneuve	2,484	41	1.6	2,443	98.3	147
Fort McMurray	4,333	1,926	44.4	2,407	55.5	172
Fredericton International	3,769	1,137	30.1	2,632	69.8	104
Gander International	2,124	1,219	57.3	905	42.6	184
Halifax/Robert L. Stanfield International	6,932	6,424	92.6	508	7.3	227
Hamilton	2,745	2,151	78.3	594	21.6	926
Kelowna	4,167	2,389	57.3	1,778	42.6	701
Kitchener/Waterloo	4,016	651	16.2	3,365	83.7	737
Langley	3,653	47	1.2	3,606	98.7	738
London	5,611	1,619	28.8	3,992	71.1	530
Moncton/Greater Moncton International	5,383	2,189	40.6	3,194	59.3	129
Montréal/Pierre Elliott Trudeau International	18,541	17,851	96.2	690	3.7	1,420
Montréal/St-Hubert	7,863	1,667	21.2	6,196	78.7	826
Oshawa	2,656	143	5.3	2,513	94.6	643
Ottawa/Macdonald-Cartier International	12,026	8,563	71.2	3,463	28.7	1,123
Pitt Meadows	4,945	25	0.5	4,920	99.4	2,061
Prince George	1,951	1,300	66.6	651	33.3	420
Québec/Jean Lesage International	7,767	4,987	64.2	2,780	35.7	1,239
Regina International	3,950	2,674	67.6	1,276	32.3	152
Saskatoon/John G. Diefenbaker International	5,646	3,443	60.9	2,203	39.0	294
Sault Ste. Marie	2,149	1,117	51.9	1,032	48.0	130
St. John's International	3,555	3,132	88.1	423	11.8	176
St-Jean	2,215	307	13.8	1,908	86.1	334
Thunder Bay	5,067	3,150	62.1	1,917	37.8	156
Toronto/Billy Bishop Toronto City	5,900	3,771	63.9	2,129	36.0	2,132
Toronto/Buttonville Municipal	5,864	717	12.2	5,147	87.7	963
Toronto/Lester B. Pearson International	35,248	35,225	99.9	23	0.0	6
Vancouver Harbour	3,851	94	2.4	3,757	97.5	1,854
Vancouver International	24,539	20,172	82.2	4,367	17.7	7,130
Victoria International	7,789	3,664	47.0	4,125	52.9	3,826
Whitehorse International	1,667	569	34.1	1,098	65.8	266
Windsor	1,443	702	48.6	741	51.3	59
Winnipeg/James Armstrong Richardson International	10,363	9,570	92.3	793	7.6	375
Winnipeg/St. Andrews	4,067	104	2.5	3,963	97.4	127
Yellowknife	3,336	2,079	62.3	1,257	37.6	376
Total of NAV CANADA towers (42)	277,864	176,977	63.7	100,887	36.3	36,349

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	2,016	258	12.7	1,758	87.2	25
Campbell River	1,209	480	39.7	729	60.2	243
Castlegar	729	285	39.0	444	60.9	82
Charlottetown	1,176	847	72.0	329	27.9	47
Churchill	909	820	90.2	89	9.7	347
Cranbrook	963	616	63.9	347	36.0	102
Deer Lake	1,245	1,140	91.5	105	8.4	116
Fort Nelson	1,834	458	24.9	1,376	75.0	226
Fort St John	1,859	845	45.4	1,014	54.5	95
Grande Prairie	2,514	1,421	56.5	1,093	43.4	160
High Level	944	252	26.6	692	73.3	249
Îles-de-la-Madeleine	456	290	63.5	166	36.4	14
Inuvik/Mike Zubko	1,081	435	40.2	646	59.7	0
Iqaluit	1,546	1,218	78.7	328	21.2	98
Kamloops	1,797	1,001	55.7	796	44.2	358
Kenora	891	423	47.4	468	52.5	253
Kingston	1,853	646	34.8	1,207	65.1	225
Kuujuuaq	969	466	48.0	503	51.9	75
La Grande Rivière	884	599	67.7	285	32.2	199
La Ronge	1,157	634	54.7	523	45.2	420
Lethbridge	1,359	555	40.8	804	59.1	38
Lloydminster	694	224	32.2	470	67.7	39
Medicine Hat	1,039	379	36.4	660	63.5	202
Mont-Joli	568	516	90.8	52	9.1	11
Montréal/Mirabel International	2,104	1,029	48.9	1,075	51.0	875
Nanaimo	2,164	672	31.0	1,492	68.9	723
Norman Wells	694	206	29.6	488	70.3	20
North Bay	1,939	875	45.1	1,064	54.8	556
Ottawa/Gatineau	1,816	190	10.4	1,626	89.5	346
Peace River	603	323	53.5	280	46.4	43
Penticton	1,237	266	21.5	971	78.4	173
Port Hardy	602	216	35.8	386	64.1	287
Prince Albert	1,517	1,286	84.7	231	15.2	78
Prince Rupert	239	197	82.4	42	17.5	13
Rankin Inlet	1,014	877	86.4	137	13.5	3
Red Deer Regional	1,616	293	18.1	1,323	81.8	343
Rouyn-Noranda	1,226	860	70.1	366	29.8	55
Saint John	1,385	961	69.3	424	30.6	37
Sept-Îles	2,372	1,703	71.7	669	28.2	194
Sioux Lookout	2,224	1,741	78.2	483	21.7	515
Smithers	772	416	53.8	356	46.1	392
St Catharines	979	56	5.7	923	94.2	255
Sudbury	2,344	1,773	75.6	571	24.3	150
Terrace	883	573	64.8	310	35.1	163
Thompson	2,999	1,868	62.2	1,131	37.7	176
Timmins	2,085	1,746	83.7	339	16.2	157
Val-d'Or	1,119	838	74.8	281	25.1	384
Victoria Harbour	2,795	119	4.2	2,676	95.7	716
Wabush	1,242	1,004	80.8	238	19.1	488
Whitecourt	632	45	7.1	587	92.8	134
Williams Lake	697	435	62.4	262	37.5	188
Total of all flight service stations (51)	68,991	35,376	51.3	33,615	48.7	11,088

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	3,470	462	145	2,227	636	0
Boundary Bay	6,115	16	40	5,827	232	0
Calgary International	19,569	13,387	5,006	394	782	0
Calgary/Springbank	4,551	19	95	3,933	504	0
Chicoutimi/St-Honoré	1,428	4	75	1,079	270	0
Edmonton City Centre	4,569	207	1,484	2,152	726	0
Edmonton International	10,547	6,961	3,185	360	41	0
Edmonton/Villeneuve	2,484	9	17	1,706	132	620
Fort McMurray	4,333	1,084	1,262	984	1,003	0
Fredericton International	3,769	294	659	2,721	95	0
Gander International	2,124	606	569	787	162	0
Halifax/Robert L. Stanfield International	6,932	3,847	2,511	303	271	0
Hamilton	2,745	1,378	789	417	161	0
Kelowna	4,167	938	1,562	1,319	348	0
Kitchener/Waterloo	4,016	182	389	3,122	319	4
Langley	3,653	0	97	3,039	516	1
London	5,611	629	1,031	3,746	204	1
Moncton/Greater Moncton International	5,383	1,060	805	3,476	42	0
Montréal/Pierre Elliott Trudeau International	18,541	12,231	5,550	467	292	1
Montréal/St-Hubert	7,863	227	893	6,454	289	0
Oshawa	2,656	8	44	2,506	98	0
Ottawa/Macdonald-Cartier International	12,026	5,771	2,817	3,228	210	0
Pitt Meadows	4,945	2	6	4,219	193	525
Prince George	1,951	412	913	268	358	0
Québec/Jean Lesage International	7,767	1,533	3,256	2,280	697	1
Regina International	3,950	1,874	655	1,359	57	5
Saskatoon/John G. Diefenbaker International	5,646	1,690	1,655	2,270	31	0
Sault Ste. Marie	2,149	19	1,064	1,027	39	0
St. John's International	3,555	1,355	1,775	45	380	0
St-Jean	2,215	0	66	1,637	117	395
Thunder Bay	5,067	712	2,443	1,638	274	0
Toronto/Billy Bishop Toronto City	5,900	0	3,723	1,759	418	0
Toronto/Buttonville Municipal	5,864	59	367	5,227	211	0
Toronto/Lester B. Pearson International	35,248	29,108	6,102	36	2	0
Vancouver Harbour	3,851	0	2,183	939	729	0
Vancouver International	24,539	11,743	9,317	2,596	883	0
Victoria International	7,789	1,227	2,284	3,807	471	0
Whitehorse International	1,667	391	448	490	338	0
Windsor	1,443	134	549	737	23	0
Winnipeg/James Armstrong Richardson International	10,363	5,236	4,291	783	53	0
Winnipeg/St. Andrews	4,067	1	580	3,364	121	1
Yellowknife	3,336	644	2,127	251	314	0
Total of NAV CANADA towers (42)	277,864	105,460	72,829	84,979	13,042	1,554

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	2,016	14	251	1,188	64	499
Campbell River	1,209	37	583	416	173	0
Castlegar	729	11	300	374	44	0
Charlottetown	1,176	423	349	374	30	0
Churchill	909	38	829	24	18	0
Cranbrook	963	62	530	310	61	0
Deer Lake	1,245	250	885	51	59	0
Fort Nelson	1,834	72	406	273	1,083	0
Fort St John	1,859	294	558	370	637	0
Grande Prairie	2,514	247	1,046	732	439	50
High Level	944	27	431	252	234	0
Îles-de-la-Madeleine	456	20	246	186	4	0
Inuvik/Mike Zubko	1,081	112	681	155	133	0
Iqaluit	1,546	391	939	18	198	0
Kamloops	1,797	125	885	517	270	0
Kenora	891	16	458	267	150	0
Kingston	1,853	50	577	1,133	93	0
Kuujuuaq	969	138	725	6	100	0
La Grande Rivière	884	38	626	159	61	0
La Ronge	1,157	6	858	251	42	0
Lethbridge	1,359	52	484	742	81	0
Lloydminster	694	4	211	442	37	0
Medicine Hat	1,039	20	432	542	45	0
Mont-Joli	568	15	474	67	12	0
Montréal/Mirabel International	2,104	578	348	752	426	0
Nanaimo	2,164	4	538	1,495	113	14
Norman Wells	694	176	300	161	57	0
North Bay	1,939	173	850	405	484	27
Ottawa/Gatineau	1,816	1	163	1,379	272	1
Peace River	603	10	288	139	166	0
Penticton	1,237	24	317	470	426	0
Port Hardy	602	31	381	69	121	0
Prince Albert	1,517	6	1,298	172	41	0
Prince Rupert	239	17	184	0	38	0
Rankin Inlet	1,014	147	745	2	120	0
Red Deer Regional	1,616	48	276	1,230	62	0
Rouyn-Noranda	1,226	87	798	329	12	0
Saint John	1,385	331	533	456	65	0
Sept-Îles	2,372	39	1,549	361	423	0
Sioux Lookout	2,224	28	1,901	279	16	0
Smithers	772	16	462	61	233	0
St Catharines	979	8	11	683	276	1
Sudbury	2,344	20	1,718	386	220	0
Terrace	883	24	559	11	289	0
Thompson	2,999	72	2,325	385	217	0
Timmins	2,085	6	1,842	205	32	0
Val-d'Or	1,119	91	790	170	68	0
Victoria Harbour	2,795	0	1,823	190	782	0
Wabush	1,242	26	928	61	227	0
Whitecourt	632	8	33	94	497	0
Williams Lake	697	12	434	158	93	0
Total of all flight service stations (51)	68,991	4,445	35,158	18,952	9,844	592

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

	Gross take-off weight in kilograms									
	2 000 and under	2 001 to 4 000	4 001 to 5 670	5 671 to 9 000	9 001 to 18 000	18 001 to 35 000	35 001 to 70 000	70 001 to 90 000	90 001 to 136 000	136 001 and over
	number									
Abbotsford	2,461	340	144	54	24	22	418	7	0	0
Boundary Bay	5,502	515	34	55	8	1	0	0	0	0
Calgary International	714	529	1,279	1,778	1,007	4,695	8,024	638	211	694
Calgary/Springbank	4,086	363	93	3	4	2	0	0	0	0
Chicoutimi/St-Honoré	1,142	209	73	1	0	3	0	0	0	0
Edmonton City Centre	2,354	533	1,362	180	112	28	0	0	0	0
Edmonton International	261	179	504	992	448	2,612	4,876	412	166	97
Edmonton/Villeneuve	2,401	56	21	6	0	0	0	0	0	0
Fort McMurray	1,744	650	414	324	57	720	424	0	0	0
Fredericton International	2,649	134	243	235	176	323	0	7	0	2
Gander International	755	39	42	475	305	319	39	77	18	55
Halifax/Robert L Stanfield International	167	219	372	985	880	1,727	1,966	334	151	131
Hamilton	336	520	208	341	243	49	439	6	526	77
Kelowna	1,487	180	219	607	21	830	814	0	9	0
Kitchener/Waterloo	3,296	166	362	59	40	29	62	2	0	0
Langley	3,499	131	8	5	10	0	0	0	0	0
London	3,768	271	285	37	535	487	226	2	0	0
Moncton/Greater Moncton International	3,387	125	346	318	153	425	375	0	254	0
Montréal/Pierre Elliott Trudeau International	517	174	736	814	2,835	6,462	4,044	1,460	4	1,495
Montréal/St-Hubert	5,777	827	715	371	137	16	18	0	2	0
Oshawa	2,462	137	30	26	1	0	0	0	0	0
Ottawa/Macdonald-Cartier International	3,202	186	1,038	225	457	3,565	2,581	493	46	233
Pitt Meadows	4,786	148	8	0	0	1	0	0	0	2
Prince George	502	110	201	576	24	362	176	0	0	0
Québec/Jean Lesage International	2,590	407	748	479	1,335	1,645	491	4	0	68
Regina International	1,220	212	393	293	72	1,020	658	2	80	0
Saskatoon/John G Diefenbaker International	1,949	364	802	578	195	1,069	654	13	22	0
Sault Ste. Marie	1,030	116	528	51	383	39	0	2	0	0
St. John's International	35	31	282	596	773	660	866	205	75	32
St-Jean	1,930	209	76	0	0	0	0	0	0	0
Thunder Bay	1,647	242	1,962	222	8	519	457	10	0	0
Toronto/Billy Bishop Toronto City	1,822	210	589	29	7	3,241	0	2	0	0
Toronto/Buttonville Municipal	5,068	483	227	61	15	8	2	0	0	0
Toronto/Lester B Pearson International	8	123	322	2,194	4,330	7,038	13,751	3,873	342	3,267
Vancouver Harbour	90	2,655	1,104	0	2	0	0	0	0	0
Vancouver International	1,056	3,209	883	2,604	1,884	4,949	6,450	1,281	380	1,843
Victoria International	3,273	1,099	230	387	894	1,204	607	63	32	0
Whitehorse International	744	198	163	103	0	200	257	0	0	2
Windsor	667	123	61	74	341	113	64	0	0	0
Winnipeg/James Armstrong Richardson International	507	381	2,903	462	880	1,956	2,268	328	632	46
Winnipeg/St. Andrews	3,181	758	119	4	5	0	0	0	0	0
Yellowknife	338	428	823	206	206	680	513	142	0	0
Total of NAV CANADA towers (42)	84,410	17,989	20,952	16,810	18,807	47,019	51,520	9,363	2,950	8,044

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

	Gross take-off weight in kilograms									
	2 000 and under	2 001 to 4 000	4 001 to 5 670	5 671 to 9 000	9 001 to 18 000	18 001 to 35 000	35 001 to 70 000	70 001 to 90 000	90 001 to 136 000	136 001 and over
	number									
Brandon Municipal	1,643	68	241	11	31	0	0	22	0	0
Campbell River	520	47	49	444	133	16	0	0	0	0
Castlegar	406	12	26	72	58	155	0	0	0	0
Charlottetown	279	193	43	49	209	325	74	4	0	0
Churchill	36	47	120	118	126	435	22	0	5	0
Cranbrook	302	71	60	261	123	146	0	0	0	0
Deer Lake	86	20	47	321	521	128	122	0	0	0
Fort Nelson	1,022	217	242	188	103	48	14	0	0	0
Fort St John	911	51	180	297	155	265	0	0	0	0
Grande Prairie	938	282	437	257	43	408	141	8	0	0
High Level	362	280	171	131	0	0	0	0	0	0
Îles-de-la-Madeleine	2	188	23	73	94	74	2	0	0	0
Inuvik/Mike Zubko	245	49	622	0	6	51	102	6	0	0
Iqaluit	8	139	378	126	174	380	281	14	0	46
Kamloops	633	87	147	328	122	410	70	0	0	0
Kenora	265	62	537	13	12	0	0	2	0	0
Kingston	1,123	63	153	351	134	25	0	4	0	0
Kuujuuaq	94	6	584	6	109	66	88	0	0	16
La Grande Rivière	56	151	164	0	88	392	32	1	0	0
La Ronge	87	206	535	66	171	92	0	0	0	0
Lethbridge	703	142	109	313	57	31	0	4	0	0
Lloydminster	412	72	104	84	20	2	0	0	0	0
Medicine Hat	572	19	174	260	10	4	0	0	0	0
Mont-Joli	21	52	171	150	125	45	4	0	0	0
Montréal/Mirabel International	991	210	46	109	36	273	38	6	277	118
Nanaimo	1,087	522	81	80	31	363	0	0	0	0
Norman Wells	174	146	124	34	4	34	176	2	0	0
North Bay	879	182	334	193	184	129	12	26	0	0
Ottawa/Gatineau	1,339	310	68	94	0	1	0	4	0	0
Peace River	214	91	259	21	16	2	0	0	0	0
Penticton	814	75	43	114	7	184	0	0	0	0
Port Hardy	68	101	202	61	134	30	6	0	0	0
Prince Albert	135	69	382	286	235	410	0	0	0	0
Prince Rupert	6	36	8	23	58	108	0	0	0	0
Rankin Inlet	120	0	244	141	191	176	140	2	0	0
Red Deer Regional	1,146	145	150	125	35	6	0	9	0	0
Rouyn-Noranda	337	6	401	31	223	172	56	0	0	0
Saint John	340	183	125	232	175	292	38	0	0	0
Sept-Îles	567	215	522	489	548	25	2	4	0	0
Stouffville	78	250	1,151	741	0	4	0	0	0	0
Smithers	276	53	88	202	31	121	1	0	0	0
St Catharines	877	75	17	8	0	2	0	0	0	0
Sudbury	395	216	1,165	104	351	113	0	0	0	0
Terrace	242	61	108	145	123	204	0	0	0	0
Thompson	281	382	1,454	39	181	662	0	0	0	0
Timmins	200	177	1,011	81	463	153	0	0	0	0
Val-d'Or	211	21	301	51	350	131	12	2	0	40
Victoria Harbour	23	1,635	1,123	4	10	0	0	0	0	0
Wabush	203	75	307	290	365	2	0	0	0	0
Whitecourt	573	10	31	18	0	0	0	0	0	0
Williams Lake	229	13	30	409	14	2	0	0	0	0
Total of all flight service stations (51)	22,531	7,783	15,092	8,044	6,389	7,097	1,433	120	282	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	3,422	478	1,816	355	692	79	2
Transborder	48	7	10	0	28	1	2
Other international	0	0	0	0	0	0	0
Total	3,470	485	1,826	355	720	80	4
Boundary Bay							
Domestic	5,982	9	1,303	3,384	1,259	26	1
Transborder	133	4	29	37	62	0	1
Other international	0	0	0	0	0	0	0
Total	6,115	13	1,332	3,421	1,321	26	2
Calgary International							
Domestic	15,546	13,380	652	488	806	144	76
Transborder	3,472	3,129	72	5	260	1	5
Other international	551	535	7	0	9	0	0
Total	19,569	17,044	731	493	1,075	145	81
Calgary/Springbank							
Domestic	4,491	46	495	2,535	1,394	16	5
Transborder	60	5	0	2	53	0	0
Other international	0	0	0	0	0	0	0
Total	4,551	51	495	2,537	1,447	16	5
Chicoutimi/St-Honoré							
Domestic	1,427	338	86	873	123	4	3
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,428	339	86	873	123	4	3
Edmonton City Centre							
Domestic	4,540	1,409	493	1,365	896	373	4
Transborder	27	7	0	5	15	0	0
Other international	2	0	0	2	0	0	0
Total	4,569	1,416	493	1,372	911	373	4
Edmonton International							
Domestic	9,179	8,310	230	186	416	25	12
Transborder	1,266	1,201	2	1	54	0	8
Other international	102	100	1	1	0	0	0
Total	10,547	9,611	233	188	470	25	20
Edmonton/Villeneuve							
Domestic	2,482	9	109	703	367	11	1,283
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	2,484	9	109	703	369	11	1,283
Fort McMurray							
Domestic	4,330	1,614	2,057	227	394	38	0
Transborder	3	1	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	4,333	1,615	2,057	227	396	38	0
Fredericton International							
Domestic	3,737	776	2,734	6	94	77	50
Transborder	32	2	2	0	26	0	2
Other international	0	0	0	0	0	0	0
Total	3,769	778	2,736	6	120	77	52
Gander International							
Domestic	1,588	377	1,011	3	58	43	96
Transborder	237	59	0	7	124	0	47
Other international	299	102	8	12	130	0	47
Total	2,124	538	1,019	22	312	43	190

Table 7-1 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Halifax/Robert L Stanfield International							
Domestic	5,725	4,911	387	68	185	41	133
Transborder	1,045	933	9	7	76	2	18
Other international	162	111	1	20	14	0	16
Total	6,932	5,955	397	95	275	43	167
Hamilton							
Domestic	2,074	1,406	146	16	188	310	8
Transborder	658	525	17	0	115	1	0
Other international	13	11	1	0	1	0	0
Total	2,745	1,942	164	16	304	311	8
Kelowna							
Domestic	3,978	2,648	381	346	523	60	20
Transborder	187	132	8	0	43	0	4
Other international	2	2	0	0	0	0	0
Total	4,167	2,782	389	346	566	60	24
Kitchener/Waterloo							
Domestic	3,835	391	2,553	55	815	15	6
Transborder	179	47	16	3	113	0	0
Other international	2	0	0	0	2	0	0
Total	4,016	438	2,569	58	930	15	6
Langley							
Domestic	3,645	98	217	1,810	1,499	20	1
Transborder	8	0	0	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	3,653	98	217	1,810	1,507	20	1
London							
Domestic	5,203	1,055	902	2,552	619	73	2
Transborder	408	301	0	3	101	3	0
Other international	0	0	0	0	0	0	0
Total	5,611	1,356	902	2,555	720	76	2
Moncton/Greater Moncton International							
Domestic	5,307	1,553	3,427	5	165	148	9
Transborder	73	63	1	0	9	0	0
Other international	3	1	0	1	1	0	0
Total	5,383	1,617	3,428	6	175	148	9
Montréal/Pierre Elliott Trudeau International							
Domestic	10,355	8,515	841	33	712	244	10
Transborder	6,249	5,581	139	10	519	0	0
Other international	1,937	1,807	47	8	74	1	0
Total	18,541	15,903	1,027	51	1,305	245	10
Montréal/St-Hubert							
Domestic	7,693	3,748	580	2,134	1,040	75	116
Transborder	169	20	2	2	144	1	0
Other international	1	0	0	0	1	0	0
Total	7,863	3,768	582	2,136	1,185	76	116
Oshawa							
Domestic	2,594	71	143	1,398	924	55	3
Transborder	46	1	7	0	38	0	0
Other international	16	0	0	2	14	0	0
Total	2,656	72	150	1,400	976	55	3
Ottawa/Macdonald-Cartier International							
Domestic	9,811	5,746	295	2,795	502	287	186
Transborder	2,071	1,899	24	7	112	18	11
Other international	144	135	0	0	2	0	7
Total	12,026	7,780	319	2,802	616	305	204

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	4,933	13	972	1,434	1,418	42	1,054
Transborder	12	0	0	0	12	0	0
Other international	0	0	0	0	0	0	0
Total	4,945	13	972	1,434	1,430	42	1,054
Prince George							
Domestic	1,935	1,174	397	38	237	88	1
Transborder	16	2	0	0	14	0	0
Other international	0	0	0	0	0	0	0
Total	1,951	1,176	397	38	251	88	1
Québec/Jean Lesage International							
Domestic	6,988	3,497	1,993	242	949	284	23
Transborder	728	639	9	4	76	0	0
Other international	51	45	1	2	2	0	1
Total	7,767	4,181	2,003	248	1,027	284	24
Regina International							
Domestic	3,473	1,894	851	33	419	209	67
Transborder	477	374	6	0	90	0	7
Other international	0	0	0	0	0	0	0
Total	3,950	2,268	857	33	509	209	74
Saskatoon/John G Diefenbaker International							
Domestic	5,328	2,667	1,012	603	682	279	85
Transborder	315	231	5	2	77	0	0
Other international	3	2	0	1	0	0	0
Total	5,646	2,900	1,017	606	759	279	85
Sault Ste. Marie							
Domestic	2,120	980	59	893	127	52	9
Transborder	29	3	0	0	26	0	0
Other international	0	0	0	0	0	0	0
Total	2,149	983	59	893	153	52	9
St. John's International							
Domestic	3,181	2,189	716	12	57	154	53
Transborder	177	68	1	3	45	0	60
Other international	197	62	22	12	30	7	64
Total	3,555	2,319	739	27	132	161	177
St-Jean							
Domestic	2,213	236	321	258	849	30	519
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	2,215	236	321	258	851	30	519
Thunder Bay							
Domestic	5,016	2,813	446	1,370	234	103	50
Transborder	51	25	5	0	21	0	0
Other international	0	0	0	0	0	0	0
Total	5,067	2,838	451	1,370	255	103	50
Toronto/Billy Bishop Toronto City							
Domestic	4,639	2,332	950	911	426	8	12
Transborder	1,259	1,112	26	3	118	0	0
Other international	2	0	1	0	1	0	0
Total	5,900	3,444	977	914	545	8	12
Toronto/Buttonville Municipal							
Domestic	5,578	212	2,673	100	2,537	56	0
Transborder	282	38	24	9	211	0	0
Other international	4	0	0	0	4	0	0
Total	5,864	250	2,697	109	2,752	56	0

Table 7-1 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Toronto/Lester B Pearson International							
Domestic	15,017	14,345	297	19	328	14	14
Transborder	15,945	14,897	244	17	787	0	0
Other international	4,286	4,214	33	5	34	0	0
Total	35,248	33,456	574	41	1,149	14	14
Vancouver Harbour							
Domestic	3,846	3,468	329	8	40	1	0
Transborder	4	0	0	0	4	0	0
Other international	1	1	0	0	0	0	0
Total	3,851	3,469	329	8	44	1	0
Vancouver International							
Domestic	18,407	15,636	1,727	72	469	492	11
Transborder	4,753	4,402	28	20	298	0	5
Other international	1,379	1,364	9	1	5	0	0
Total	24,539	21,402	1,764	93	772	492	16
Victoria International							
Domestic	7,138	2,801	2,205	630	1,330	52	120
Transborder	650	466	14	1	160	0	9
Other international	1	0	1	0	0	0	0
Total	7,789	3,267	2,220	631	1,490	52	129
Whitehorse International							
Domestic	1,620	867	478	49	209	13	4
Transborder	46	6	2	0	38	0	0
Other international	1	1	0	0	0	0	0
Total	1,667	874	480	49	247	13	4
Windsor							
Domestic	1,337	566	409	19	326	13	4
Transborder	105	38	23	2	38	0	4
Other international	1	0	0	1	0	0	0
Total	1,443	604	432	22	364	13	8
Winnipeg/James Armstrong Richardson International							
Domestic	9,100	7,976	283	58	303	296	184
Transborder	1,255	1,099	17	7	128	0	4
Other international	8	2	0	1	3	0	2
Total	10,363	9,077	300	66	434	296	190
Winnipeg/St. Andrews							
Domestic	4,058	573	2,090	953	412	14	16
Transborder	8	0	1	1	6	0	0
Other international	1	0	0	0	1	0	0
Total	4,067	573	2,091	954	419	14	16
Yellowknife							
Domestic	3,335	2,828	314	11	37	102	43
Transborder	1	0	0	1	0	0	0
Other international	0	0	0	0	0	0	0
Total	3,336	2,828	314	12	37	102	43
Total of NAV CANADA towers (42)							
Domestic	226,206	123,955	39,380	29,050	25,060	4,466	4,295
Transborder	42,489	37,318	743	159	4,055	27	187
Other international	9,169	8,495	132	69	328	8	137
Total	277,864	169,768	40,255	29,278	29,443	4,501	4,619

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	2,005	129	317	66	778	19	696
Transborder	11	0	0	0	11	0	0
Other international	0	0	0	0	0	0	0
Total	2,016	129	317	66	789	19	696
Campbell River							
Domestic	1,185	560	165	156	276	26	2
Transborder	24	0	1	0	23	0	0
Other international	0	0	0	0	0	0	0
Total	1,209	560	166	156	299	26	2
Castlegar							
Domestic	723	287	47	282	85	0	22
Transborder	6	0	1	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	729	287	48	282	90	0	22
Charlottetown							
Domestic	1,156	702	112	145	131	38	28
Transborder	18	0	0	0	18	0	0
Other international	2	1	0	0	1	0	0
Total	1,176	703	112	145	150	38	28
Churchill							
Domestic	905	785	61	5	30	22	2
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	909	785	61	5	34	22	2
Cranbrook							
Domestic	950	547	60	22	291	4	26
Transborder	13	3	1	0	9	0	0
Other international	0	0	0	0	0	0	0
Total	963	550	61	22	300	4	26
Deer Lake							
Domestic	1,241	952	215	15	13	40	6
Transborder	3	1	0	0	2	0	0
Other international	1	0	1	0	0	0	0
Total	1,245	953	216	15	15	40	6
Fort Nelson							
Domestic	1,833	404	1,239	4	142	8	36
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,834	404	1,239	4	143	8	36
Fort St John							
Domestic	1,858	798	781	50	223	4	2
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,859	799	781	50	223	4	2
Grande Prairie							
Domestic	2,511	1,246	595	147	431	36	56
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	2,514	1,246	595	147	434	36	56
High Level							
Domestic	944	305	561	7	54	17	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	944	305	561	7	54	17	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	453	216	59	122	0	50	6
Transborder	2	0	0	0	2	0	0
Other international	1	0	1	0	0	0	0
Total	456	216	60	122	2	50	6
Inuvik/Mike Zubko							
Domestic	1,080	899	129	0	5	33	14
Transborder	0	0	0	0	0	0	0
Other international	1	0	0	0	1	0	0
Total	1,081	899	129	0	6	33	14
Iqaluit							
Domestic	1,454	1,043	131	5	37	227	11
Transborder	32	18	3	0	11	0	0
Other international	60	25	5	3	25	0	2
Total	1,546	1,086	139	8	73	227	13
Kamloops							
Domestic	1,792	910	246	100	461	67	8
Transborder	4	0	0	0	4	0	0
Other international	1	1	0	0	0	0	0
Total	1,797	911	246	100	465	67	8
Kenora							
Domestic	875	392	273	13	120	42	35
Transborder	16	0	1	0	15	0	0
Other international	0	0	0	0	0	0	0
Total	891	392	274	13	135	42	35
Kingston							
Domestic	1,818	504	452	326	458	36	42
Transborder	35	0	5	0	30	0	0
Other international	0	0	0	0	0	0	0
Total	1,853	504	457	326	488	36	42
Kuujuuaq							
Domestic	969	785	134	0	16	34	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	969	785	134	0	16	34	0
La Grande Rivière							
Domestic	884	577	179	64	44	8	12
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	884	577	179	64	44	8	12
La Ronge							
Domestic	1,157	995	22	0	60	80	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,157	995	22	0	60	80	0
Lethbridge							
Domestic	1,288	444	92	334	381	23	14
Transborder	71	1	2	1	67	0	0
Other international	0	0	0	0	0	0	0
Total	1,359	445	94	335	448	23	14
Lloydminster							
Domestic	692	145	217	21	261	30	18
Transborder	1	0	0	0	1	0	0
Other international	1	1	0	0	0	0	0
Total	694	146	217	21	262	30	18

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements		
		Level I-III and Foreign	Level IV-VI			Civil	Military	
	number							
Medicine Hat								
Domestic	1,035	422	294	47	254	6	12	
Transborder	4	0	0	0	4	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,039	422	294	47	258	6	12	
Mont-Joli								
Domestic	568	363	156	4	19	18	8	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	568	363	156	4	19	18	8	
Montréal/Mirabel International								
Domestic	1,936	617	665	123	499	0	32	
Transborder	166	153	0	0	11	0	2	
Other international	2	1	0	1	0	0	0	
Total	2,104	771	665	124	510	0	34	
Nanaimo								
Domestic	2,134	494	631	102	766	86	55	
Transborder	30	2	0	2	26	0	0	
Other international	0	0	0	0	0	0	0	
Total	2,164	496	631	104	792	86	55	
Norman Wells								
Domestic	694	630	57	0	3	4	0	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	694	630	57	0	3	4	0	
North Bay								
Domestic	1,916	700	298	302	400	49	167	
Transborder	23	6	0	1	16	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,939	706	298	303	416	49	167	
Ottawa/Gatineau								
Domestic	1,815	270	485	230	771	49	10	
Transborder	1	0	0	0	1	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,816	270	485	230	772	49	10	
Peace River								
Domestic	600	336	188	4	57	15	0	
Transborder	3	2	0	0	1	0	0	
Other international	0	0	0	0	0	0	0	
Total	603	338	188	4	58	15	0	
Penticton								
Domestic	1,229	328	486	36	309	6	64	
Transborder	8	1	1	0	6	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,237	329	487	36	315	6	64	
Port Hardy								
Domestic	596	405	53	2	52	72	12	
Transborder	6	0	0	0	6	0	0	
Other international	0	0	0	0	0	0	0	
Total	602	405	53	2	58	72	12	
Prince Albert								
Domestic	1,517	1,212	53	30	96	102	24	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,517	1,212	53	30	96	102	24	

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	236	187	36	0	5	8	0
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	239	187	36	0	8	8	0
Rankin Inlet							
Domestic	1,013	860	122	6	6	16	3
Transborder	0	0	0	0	0	0	0
Other international	1	0	0	0	0	0	1
Total	1,014	860	122	6	6	16	4
Red Deer Regional							
Domestic	1,606	237	399	140	771	42	17
Transborder	10	1	1	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	1,616	238	400	140	779	42	17
Rouyn-Noranda							
Domestic	1,226	676	132	221	164	33	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,226	676	132	221	164	33	0
Saint John							
Domestic	1,305	748	244	75	230	3	5
Transborder	77	4	0	0	73	0	0
Other international	3	0	0	0	3	0	0
Total	1,385	752	244	75	306	3	5
Sept-Îles							
Domestic	2,365	1,242	832	50	171	62	8
Transborder	6	1	0	1	4	0	0
Other international	1	1	0	0	0	0	0
Total	2,372	1,244	832	51	175	62	8
Sioux Lookout							
Domestic	2,220	1,711	409	4	53	39	4
Transborder	4	0	1	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	2,224	1,711	410	4	56	39	4
Smithers							
Domestic	758	408	297	2	35	16	0
Transborder	12	1	0	0	11	0	0
Other international	2	2	0	0	0	0	0
Total	772	411	297	2	46	16	0
St Catharines							
Domestic	943	5	651	16	253	16	2
Transborder	36	3	10	2	21	0	0
Other international	0	0	0	0	0	0	0
Total	979	8	661	18	274	16	2
Sudbury							
Domestic	2,326	1,548	330	70	321	56	1
Transborder	18	5	4	0	9	0	0
Other international	0	0	0	0	0	0	0
Total	2,344	1,553	334	70	330	56	1
Terrace							
Domestic	880	555	293	2	16	14	0
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	883	555	293	2	19	14	0

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Thompson							
Domestic	2,999	2,451	347	10	89	102	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	2,999	2,451	347	10	89	102	0
Timmins							
Domestic	2,081	1,603	249	4	202	19	4
Transborder	4	1	1	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	2,085	1,604	250	4	204	19	4
Val-d'Or							
Domestic	1,119	817	65	19	172	34	12
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,119	817	65	19	172	34	12
Victoria Harbour							
Domestic	2,515	2,348	8	2	31	116	10
Transborder	280	0	0	1	279	0	0
Other international	0	0	0	0	0	0	0
Total	2,795	2,348	8	3	310	116	10
Wabush							
Domestic	1,242	704	437	4	87	10	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,242	704	437	4	87	10	0
Whitecourt							
Domestic	632	14	389	120	91	18	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	632	14	389	120	91	18	0
Williams Lake							
Domestic	696	437	62	8	179	6	4
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	697	437	62	8	180	6	4
Total of all flight service stations (51)							
Domestic	67,975	35,953	14,755	3,517	10,399	1,861	1,490
Transborder	940	204	32	8	694	0	2
Other international	76	32	7	4	30	0	3
Total	68,991	36,189	14,794	3,529	11,123	1,861	1,495

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	22	7,862	22	9	85	15	441
Boundary Bay	7	15,683	13	15	115	6	851
Calgary International	3	19,720	7	18	60	7	769
Calgary/Springbank	9	13,341	28	11	107	2	693
Chicoutimi/St-Honoré	27	6,702	4	12	137	5	725
Edmonton City Centre	30	5,453	11	11	44	14	287
Edmonton International	16	10,899	14	14	40	20	457
Edmonton/Villeneuve	28	6,412	16	15	94	16	539
Fort McMurray	32	4,971	29	16	42	7	235
Fredericton International	24	7,615	13	18	57	3	590
Gander International	39	3,464	21	13	53	15	238
Halifax/Robert L. Stanfield International	25	7,353	24	13	40	20	316
Hamilton	36	3,889	9	11	33	13	210
Kelowna	26	6,791	22	11	64	22	354
Kitchener/Waterloo	18	9,990	12	20	93	12	752
Langley	23	7,771	29	14	79	20	400
London	14	11,079	13	11	78	12	606
Moncton/Greater Moncton International	17	10,087	14	8	76	29	621
Montréal/Pierre Elliott Trudeau International	4	18,653	8	18	65	5	699
Montréal/St-Hubert	6	16,985	11	20	138	13	1,374
Oshawa	31	5,360	6	20	57	9	378
Ottawa/Macdonald-Cartier International	5	17,048	18	9	115	12	871
Pitt Meadows	13	11,119	2	13	121	2	818
Prince George	40	3,317	21	11	72	27	266
Québec/Jean Lesage International	15	10,909	5	16	71	5	571
Regina International	29	5,491	7	19	39	7	324
Saskatoon/John G. Diefenbaker International	21	8,486	18	16	64	21	402
Sault Ste. Marie	33	4,367	5	20	55	31	297
St. John's International	35	3,990	5	16	28	5	170
St-Jean	38	3,480	18	14	196	11	404
Thunder Bay	19	9,547	29	21	97	19	547
Toronto/Billy Bishop Toronto City	20	8,912	11	9	65	13	402
Toronto/Buttonville Municipal	8	14,502	12	15	110	1	971
Toronto/Lester B. Pearson International	1	35,434	7	18	109	7	1,258
Vancouver Harbour	37	3,855	6	15	26	6	206
Vancouver International	2	24,577	13	8	77	1	932
Victoria International	10	12,233	5	10	89	7	577
Whitehorse International	41	2,355	21	16	34	21	148
Windsor	42	1,969	16	15	31	14	127
Winnipeg/James Armstrong Richardson International	11	11,613	7	13	59	7	554
Winnipeg/St. Andrews	12	11,415	13	18	100	13	711
Yellowknife	34	4,020	7	16	36	6	239

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	9	2,872	9	12	53	9	249
Campbell River	19	2,089	1	11	46	15	157
Castlegar	36	1,103	4	11	41	6	90
Charlottetown	26	1,450	5	11	31	5	114
Churchill	40	927	1	18	11	20	46
Cranbrook	33	1,247	15	10	26	6	80
Deer Lake	32	1,253	21	16	11	6	62
Fort Nelson	20	2,042	20	10	38	20	115
Fort St John	18	2,155	4	16	25	13	128
Grande Prairie	5	3,288	31	14	42	21	153
High Level	38	1,014	1	14	15	14	73
Îles-de-la-Madeleine	50	456	4	15	6	13	28
Inuvik/Mike Zubko	35	1,107	12	21	11	29	65
Iqaluit	24	1,710	21	18	23	27	114
Kamloops	6	3,217	12	12	44	19	203
Kenora	28	1,377	6	18	31	18	124
Kingston	3	3,583	6	11	63	2	295
Kuujuuaq	39	983	22	16	12	25	55
La Grande Rivière	41	888	25	14	10	25	61
La Ronge	31	1,315	14	12	23	8	84
Lethbridge	14	2,389	22	16	40	4	194
Lloydminster	43	882	18	15	22	18	73
Medicine Hat	27	1,409	21	10	27	1	91
Mont-Joli	49	572	12	8	9	5	42
Montréal/Mirabel International	4	3,528	23	11	70	23	239
Nanaimo	7	3,176	27	17	72	2	235
Norman Wells	46	716	28	12	20	28	64
North Bay	1	5,221	4	15	67	12	394
Ottawa/Gatineau	2	4,132	23	12	65	3	355
Peace River	47	625	12	11	12	20	40
Penticton	15	2,351	20	9	56	20	231
Port Hardy	48	604	29	14	16	29	51
Prince Albert	25	1,547	4	16	20	14	88
Prince Rupert	51	245	12	19	5	1	14
Rankin Inlet	37	1,024	27	13	10	25	62
Red Deer Regional	13	2,418	7	15	45	7	166
Rouyn-Noranda	21	1,976	24	13	32	6	145
Saint John	22	1,829	5	18	25	21	135
Sept-Îles	10	2,830	29	16	38	29	203
Sioux Lookout	17	2,276	20	16	22	15	106
Smithers	44	840	14	14	19	14	85
St Catharines	29	1,359	18	13	38	24	123
Sudbury	12	2,700	22	13	41	12	172
Terrace	42	883	29	10	9	1	48
Thompson	8	3,103	14	15	29	14	185
Timmins	16	2,339	18	20	34	18	158
Val-d'Or	30	1,341	16	21	120	16	165
Victoria Harbour	11	2,821	8	16	19	27	126
Wabush	34	1,244	26	16	12	26	75
Whitecourt	23	1,748	5	12	40	5	233
Williams Lake	45	755	29	11	15	29	44

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	31	3,470	27	13	26	6	185
Boundary Bay	12	6,115	6	15	49	6	383
Calgary International	3	19,569	7	18	60	7	767
Calgary/Springbank	21	4,551	30	11	35	2	265
Chicoutimi/St-Honoré	42	1,428	4	13	25	5	155
Edmonton City Centre	20	4,569	20	14	27	20	248
Edmonton International	6	10,547	7	12	37	20	441
Edmonton/Villeneuve	35	2,484	2	15	42	2	311
Fort McMurray	22	4,333	7	8	23	7	213
Fredericton International	28	3,769	12	14	22	3	266
Gander International	38	2,124	15	10	20	15	112
Halifax/Robert L. Stanfield International	11	6,932	4	20	26	4	281
Hamilton	33	2,745	9	12	14	13	140
Kelowna	23	4,167	20	15	24	1	180
Kitchener/Waterloo	25	4,016	12	15	29	12	292
Langley	29	3,653	17	15	35	16	208
London	16	5,611	1	12	31	8	289
Moncton/Greater Moncton International	17	5,383	6	11	28	29	293
Montréal/Pierre Elliott Trudeau International	4	18,541	8	18	65	5	687
Montréal/St-Hubert	8	7,863	11	17	53	5	542
Oshawa	34	2,656	16	14	26	9	180
Ottawa/Macdonald-Cartier International	5	12,026	2	12	62	2	587
Pitt Meadows	19	4,945	2	13	67	2	484
Prince George	39	1,951	27	16	14	27	100
Québec/Jean Lesage International	10	7,767	3	11	39	5	357
Regina International	26	3,950	8	9	18	7	188
Saskatoon/John G. Diefenbaker International	15	5,646	21	17	31	21	266
Sault Ste. Marie	37	2,149	3	10	35	3	191
St. John's International	30	3,555	1	17	14	15	146
St-Jean	36	2,215	11	11	47	11	372
Thunder Bay	18	5,067	23	9	27	19	225
Toronto/Billy Bishop Toronto City	13	5,900	31	15	27	8	264
Toronto/Buttonville Municipal	14	5,864	16	9	46	16	358
Toronto/Lester B. Pearson International	1	35,248	7	18	109	7	1,252
Vancouver Harbour	27	3,851	6	15	26	6	206
Vancouver International	2	24,539	13	8	77	1	932
Victoria International	9	7,789	30	13	42	1	349
Whitehorse International	40	1,667	21	15	14	21	90
Windsor	41	1,443	17	11	12	7	64
Winnipeg/James Armstrong Richardson International	7	10,363	7	14	34	20	440
Winnipeg/St. Andrews	24	4,067	29	15	27	7	222
Yellowknife	32	3,336	5	13	21	6	165

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	10	2,016	9	13	32	9	221
Campbell River	26	1,209	15	16	14	15	79
Castlegar	42	729	14	11	9	6	56
Charlottetown	27	1,176	5	19	11	3	76
Churchill	37	909	20	12	8	20	46
Cranbrook	35	963	6	12	17	6	68
Deer Lake	22	1,245	27	13	9	6	62
Fort Nelson	14	1,834	6	11	21	7	110
Fort St John	12	1,859	5	8	15	13	102
Grande Prairie	3	2,514	2	15	21	2	125
High Level	36	944	12	8	9	14	61
Îles-de-la-Madeleine	50	456	4	15	6	13	28
Inuvik/Mike Zubko	30	1,081	15	12	10	29	61
Iqaluit	18	1,546	20	9	13	27	114
Kamloops	16	1,797	5	11	18	1	94
Kenora	38	891	20	18	8	6	51
Kingston	13	1,853	9	12	16	2	97
Kuujuuaq	34	969	22	16	12	25	55
La Grande Rivière	39	884	25	14	10	25	61
La Ronge	28	1,157	5	8	10	14	66
Lethbridge	21	1,359	21	16	15	21	81
Lloydminster	44	694	18	15	8	18	47
Medicine Hat	31	1,039	22	16	16	22	54
Mont-Joli	49	568	12	8	9	5	38
Montréal/Mirabel International	8	2,104	2	16	17	22	117
Nanaimo	7	2,164	31	14	43	31	150
Norman Wells	45	694	28	12	12	28	50
North Bay	11	1,939	4	13	17	4	120
Ottawa/Gatineau	15	1,816	23	12	23	3	155
Peace River	47	603	14	15	8	20	40
Penticton	24	1,237	5	15	18	1	79
Port Hardy	48	602	29	14	16	29	51
Prince Albert	19	1,517	4	16	20	4	87
Prince Rupert	51	239	1	20	4	1	14
Rankin Inlet	32	1,014	27	13	10	25	62
Red Deer Regional	17	1,616	30	11	19	2	111
Rouyn-Noranda	25	1,226	5	15	10	6	79
Saint John	20	1,385	9	2	12	19	77
Sept-Îles	4	2,372	29	11	23	29	129
Sioux Lookout	6	2,224	28	16	15	15	106
Smithers	41	772	8	10	9	14	51
St Catharines	33	979	16	11	14	16	80
Sudbury	5	2,344	12	13	14	8	112
Terrace	40	883	29	10	9	1	48
Thompson	1	2,999	14	15	29	14	164
Timmins	9	2,085	18	20	24	18	116
Val-d'Or	29	1,119	5	20	12	6	74
Victoria Harbour	2	2,795	8	16	19	6	124
Wabush	23	1,242	26	16	12	26	75
Whitecourt	46	632	5	12	12	5	55
Williams Lake	43	697	1	13	9	7	39

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	14	4,392	22	9	80	15	286
Boundary Bay	1	9,568	29	15	90	13	476
Calgary International	39	151	9	10	24	9	40
Calgary/Springbank	3	8,790	20	13	84	21	480
Chicoutimi/St-Honoré	9	5,274	4	12	124	5	570
Edmonton City Centre	30	884	11	11	32	30	98
Edmonton International	37	352	8	11	20	14	30
Edmonton/Villeneuve	16	3,928	3	13	64	16	274
Fort McMurray	33	638	31	16	30	31	74
Fredericton International	17	3,846	13	18	46	24	330
Gander International	26	1,340	21	13	44	15	126
Halifax/Robert L. Stanfield International	36	421	24	13	20	20	50
Hamilton	29	1,144	9	11	22	16	90
Kelowna	22	2,624	22	11	50	22	200
Kitchener/Waterloo	7	5,974	12	20	78	12	460
Langley	15	4,118	29	14	66	20	240
London	8	5,468	31	9	60	12	344
Moncton/Greater Moncton International	11	4,704	14	8	60	29	328
Montréal/Pierre Elliott Trudeau International	40	112	27	10	20	27	34
Montréal/St-Hubert	2	9,122	11	20	120	13	836
Oshawa	21	2,704	6	20	50	9	198
Ottawa/Macdonald-Cartier International	10	5,022	18	9	70	12	404
Pitt Meadows	6	6,174	7	13	74	1	442
Prince George	25	1,366	21	11	64	27	166
Québec/Jean Lesage International	18	3,142	24	19	44	5	214
Regina International	24	1,541	7	19	30	7	136
Saskatoon/John G. Diefenbaker International	20	2,840	20	19	46	16	182
Sault Ste. Marie	23	2,218	5	20	48	31	210
St. John's International	35	435	5	16	22	5	40
St-Jean	27	1,265	18	14	189	18	229
Thunder Bay	12	4,480	29	21	90	15	326
Toronto/Billy Bishop Toronto City	19	3,012	11	9	56	11	174
Toronto/Buttonville Municipal	4	8,638	4	20	92	1	696
Toronto/Lester B. Pearson International	38	186	16	11	20	2	52
Vancouver Harbour	42	4	17	12	2	17	2
Vancouver International	41	38	2	8	12	2	14
Victoria International	13	4,444	5	10	66	26	264
Whitehorse International	31	688	21	16	24	21	58
Windsor	34	526	16	15	22	14	74
Winnipeg/James Armstrong Richardson International	28	1,250	7	13	36	7	124
Winnipeg/St. Andrews	5	7,348	13	18	82	13	492
Yellowknife	32	684	3	12	24	6	74

Table 10-2
Local movements, peak hour and peak day — NAV CANADA flight service stations

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	11	856	13	14	44	13	100
Campbell River	10	880	1	11	40	19	94
Castlegar	19	374	4	11	36	14	46
Charlottetown	24	274	5	11	28	5	54
Churchill	41	18	1	18	8	1	8
Cranbrook	23	284	15	10	24	22	38
Deer Lake	44	8	21	16	8	21	8
Fort Nelson	27	208	20	10	22	25	36
Fort St John	22	296	30	8	18	3	46
Grande Prairie	13	774	31	14	34	31	86
High Level	32	70	1	14	10	1	14
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	38	26	12	21	8	12	8
Iqaluit	29	164	8	10	20	8	34
Kamloops	5	1,420	12	12	40	19	124
Kenora	15	486	18	16	28	18	88
Kingston	3	1,730	6	11	52	2	198
Kuujuuaq	42	14	19	10	4	11	4
La Grande Rivière	46	4	5	18	2	5	2
La Ronge	30	158	14	12	14	8	32
Lethbridge	8	1,030	4	16	30	4	130
Lloydminster	28	188	27	11	18	27	34
Medicine Hat	20	370	21	10	22	1	42
Mont-Joli	47	4	5	14	4	5	4
Montréal/Mirabel International	4	1,424	23	11	54	23	164
Nanaimo	9	1,012	27	17	60	2	138
Norman Wells	39	22	28	12	8	28	14
North Bay	1	3,282	4	15	56	12	300
Ottawa/Gatineau	2	2,316	27	19	52	3	200
Peace River	40	22	12	11	8	12	8
Penticton	7	1,114	19	14	42	20	152
Port Hardy	49	2	25	14	2	25	2
Prince Albert	36	30	14	17	8	14	8
Prince Rupert	45	6	12	19	4	12	4
Rankin Inlet	43	10	5	20	6	5	10
Red Deer Regional	12	802	7	15	32	7	66
Rouyn-Noranda	14	750	18	13	26	6	66
Saint John	17	444	21	11	18	3	72
Sept-Îles	16	458	2	10	28	29	74
Sioux Lookout	35	52	20	16	14	20	18
Smithers	33	68	13	19	12	14	34
St Catharines	18	380	18	13	34	24	78
Sudbury	21	356	6	14	30	12	66
Terrace	0	0	0	0	0	0	0
Thompson	31	104	14	14	21	14	21
Timmins	25	254	12	22	30	12	54
Val-d'Or	26	222	16	21	120	16	128
Victoria Harbour	37	26	12	19	6	26	12
Wabush	48	2	11	8	2	11	2
Whitecourt	6	1,116	5	14	32	5	178
Williams Lake	34	58	29	11	14	29	26

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	14	4,392	22	9	80	15	286
Boundary Bay	1	9,568	29	15	90	13	476
Calgary International	39	150	9	10	24	9	40
Calgary/Springbank	3	8,790	20	13	84	21	480
Chicoutimi/St-Honoré	9	5,270	4	12	124	5	570
Edmonton City Centre	30	880	11	11	32	30	94
Edmonton International	37	349	8	11	20	14	30
Edmonton/Villeneuve	16	3,928	3	13	64	16	274
Fort McMurray	33	638	31	16	30	31	74
Fredericton International	17	3,842	13	18	46	24	330
Gander International	25	1,340	21	13	44	15	126
Halifax/Robert L. Stanfield International	36	402	24	13	20	20	50
Hamilton	29	1,140	9	11	22	16	90
Kelowna	22	2,619	22	11	50	22	200
Kitchener/Waterloo	7	5,974	12	20	78	12	460
Langley	15	4,118	29	14	66	20	240
London	8	5,458	31	9	60	12	344
Moncton/Greater Moncton International	11	4,688	14	8	60	29	326
Montréal/Pierre Elliott Trudeau International	40	110	27	10	20	27	34
Montréal/St-Hubert	2	9,122	11	20	120	13	836
Oshawa	20	2,704	6	20	50	9	198
Ottawa/Macdonald-Cartier International	10	5,006	18	9	70	12	404
Pitt Meadows	6	6,174	7	13	74	1	442
Prince George	24	1,366	21	11	64	27	166
Québec/Jean Lesage International	18	3,136	24	19	44	5	214
Regina International	26	1,283	7	19	30	7	111
Saskatoon/John G. Diefenbaker International	21	2,646	20	19	46	16	182
Sault Ste. Marie	23	2,217	5	20	48	31	210
St. John's International	35	424	5	16	22	5	40
St-Jean	27	1,265	18	14	189	18	229
Thunder Bay	12	4,466	29	21	90	15	323
Toronto/Billy Bishop Toronto City	19	3,007	11	9	56	11	174
Toronto/Buttonville Municipal	4	8,635	4	20	92	1	696
Toronto/Lester B. Pearson International	38	186	16	11	20	2	52
Vancouver Harbour	42	4	17	12	2	17	2
Vancouver International	41	38	2	8	12	2	14
Victoria International	13	4,430	5	10	66	26	264
Whitehorse International	31	688	21	16	24	21	58
Windsor	34	526	16	15	22	14	74
Winnipeg/James Armstrong Richardson International	28	1,246	7	13	36	7	124
Winnipeg/St. Andrews	5	7,348	13	18	82	13	492
Yellowknife	32	684	3	12	24	6	74

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	10	808	13	14	44	13	100
Campbell River	9	880	1	11	40	19	94
Castlegar	19	374	4	11	36	14	46
Charlottetown	24	274	5	11	28	5	54
Churchill	41	18	1	18	8	1	8
Cranbrook	23	284	15	10	24	22	38
Deer Lake	44	8	21	16	8	21	8
Fort Nelson	27	208	20	10	22	25	36
Fort St John	22	296	30	8	18	3	46
Grande Prairie	12	774	31	14	34	31	86
High Level	32	70	1	14	10	1	14
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	37	26	12	21	8	12	8
Iqaluit	29	164	8	10	20	8	34
Kamloops	4	1,420	12	12	40	19	124
Kenora	15	460	18	16	28	18	86
Kingston	3	1,726	6	11	52	2	198
Kuujuuaq	42	14	19	10	4	11	4
La Grande Rivière	47	4	5	18	2	5	2
La Ronge	30	158	14	12	14	8	32
Lethbridge	8	1,000	4	16	30	4	130
Lloydminster	28	188	27	11	18	27	34
Medicine Hat	20	368	21	10	22	1	42
Mont-Joli	46	4	5	14	4	5	4
Montréal/Mirabel International	5	1,408	23	11	54	23	164
Nanaimo	14	695	27	17	60	26	98
Norman Wells	40	22	28	12	8	28	14
North Bay	1	3,282	4	15	56	12	300
Ottawa/Gatineau	2	2,316	27	19	52	3	200
Peace River	39	22	12	11	8	12	8
Penticton	7	1,110	19	14	42	20	152
Port Hardy	48	2	25	14	2	25	2
Prince Albert	36	30	14	17	8	14	8
Prince Rupert	45	6	12	19	4	12	4
Rankin Inlet	43	10	5	20	6	5	10
Red Deer Regional	11	796	7	15	32	7	66
Rouyn-Noranda	13	750	18	13	26	6	66
Saint John	17	438	21	11	18	3	72
Sept-Îles	16	458	2	10	28	29	74
Sioux Lookout	35	52	20	16	14	20	18
Smithers	33	68	13	19	12	14	34
St Catharines	18	380	18	13	34	24	78
Sudbury	21	356	6	14	30	12	66
Terrace	0	0	0	0	0	0	0
Thompson	31	104	14	14	21	14	21
Timmins	25	254	12	22	30	12	54
Val-d'Or	26	222	16	21	120	16	128
Victoria Harbour	38	26	12	19	6	26	12
Wabush	49	2	11	8	2	11	2
Whitecourt	6	1,116	5	14	32	5	178
Williams Lake	34	58	29	11	14	29	26

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	1	31	8	1	31	1
Calgary/Springbank	0	0	0	0	0	0	0
Chicoutimi/St-Honoré	17	4	31	11	4	31	4
Edmonton City Centre	15	4	30	14	2	30	4
Edmonton International	19	3	15	9	2	15	2
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	0	0	0	0	0	0	0
Fredericton International	14	4	23	14	4	23	4
Gander International	0	0	0	0	0	0	0
Halifax/Robert L. Stanfield International	3	19	6	11	6	4	6
Hamilton	13	4	10	14	2	10	2
Kelowna	11	5	26	10	3	26	3
Kitchener/Waterloo	0	0	0	0	0	0	0
Langley	0	0	0	0	0	0	0
London	9	10	10	15	4	10	6
Moncton/Greater Moncton International	5	16	12	12	3	12	3
Montréal/Pierre Elliott Trudeau International	20	2	1	14	2	1	2
Montréal/St-Hubert	0	0	0	0	0	0	0
Oshawa	0	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	4	16	14	12	4	14	4
Pitt Meadows	0	0	0	0	0	0	0
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	10	6	20	12	2	20	2
Regina International	1	258	14	19	14	14	29
Saskatoon/John G. Diefenbaker International	2	194	27	17	24	29	42
Sault Ste. Marie	22	1	3	10	1	3	1
St. John's International	8	11	6	12	4	6	4
St-Jean	0	0	0	0	0	0	0
Thunder Bay	7	14	4	15	7	4	7
Toronto/Billy Bishop Toronto City	12	5	8	14	2	8	3
Toronto/Buttonville Municipal	18	3	14	7	2	14	2
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	6	14	8	17	3	8	3
Whitehorse International	0	0	0	0	0	0	0
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	16	4	16	14	1	16	2
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	0	0	0	0	0	0	0

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	2	48	1	13	10	7	18
Campbell River	0	0	0	0	0	0	0
Castlegar	0	0	0	0	0	0	0
Charlottetown	0	0	0	0	0	0	0
Churchill	0	0	0	0	0	0	0
Cranbrook	0	0	0	0	0	0	0
Deer Lake	0	0	0	0	0	0	0
Fort Nelson	0	0	0	0	0	0	0
Fort St John	0	0	0	0	0	0	0
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	4	26	5	11	16	5	16
Kingston	8	4	8	10	2	8	4
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	3	30	13	20	16	13	26
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	10	2	15	16	2	15	2
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	5	16	1	14	12	1	12
Nanaimo	1	317	10	10	24	2	83
Norman Wells	0	0	0	0	0	0	0
North Bay	0	0	0	0	0	0	0
Ottawa/Gatineau	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	0
Penticton	9	4	12	14	4	12	4
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	7	6	2	11	6	2	6
Rouyn-Noranda	0	0	0	0	0	0	0
Saint John	6	6	6	9	2	6	2
Sept-Îles	0	0	0	0	0	0	0
Sioux Lookout	0	0	0	0	0	0	0
Smithers	0	0	0	0	0	0	0
St Catharines	0	0	0	0	0	0	0
Sudbury	0	0	0	0	0	0	0
Terrace	0	0	0	0	0	0	0
Thompson	0	0	0	0	0	0	0
Timmins	0	0	0	0	0	0	0
Val-d'Or	0	0	0	0	0	0	0
Victoria Harbour	0	0	0	0	0	0	0
Wabush	0	0	0	0	0	0	0
Whitecourt	0	0	0	0	0	0	0
Williams Lake	0	0	0	0	0	0	0

Methodology

Survey universe

Coverage

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

Methodology survey

The Itinerant movement record is designed to capture:

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

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

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

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

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

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

Other parameter files information includes registered aircraft identifications and their corresponding aircraft types, gross take-off weights, types of power plant (piston, jet or turboprop); whether the aircraft are fixed wing, helicopters or gliders. This information also provides a basis for identifying type of flights (commercial, private and government) and the geographical area in which the flights take place.

The parameter files also include airport environment information against which the airport category is checked; the reported runway is validated and the time difference between UTC and Local is assigned.

Data quality and limitations

Aircraft movement statistics are accumulated from data originating with air traffic control tower units or flight service station personnel. Because staff in these positions are highly trained in factual observation and reporting, the entries in the data bank are of a high quality.

The procedures for reporting aircraft movements on the Daily air traffic records by tower units are described in the NAV CANADA Air traffic control manual of operations (TP 703) Volume 1, Para. 1023 to 1023.5. Definitions for terms used in these paragraphs can be found in the appendix II "Glossary of terms" of this report.

To maintain uniformity in the reporting of source data, ASC issues to air traffic control units an "Air traffic designators" handbook (TP 143) listing the official Transport Canada aircraft type designators and the designators of various domestic and international air carriers. This handbook and another titled "Canada flight supplement" listing various airport codes serve as references to help ensure the reporting of the proper aircraft identity and the point of origin and destination of flights.

The processing system contains editing procedures designed to identify data errors occurring during transcription or during data capture of forms. Identified errors are manually corrected by ASC editing staff.

Errors may occur if an aircraft type code which exists is reported or data captured in error for a flight. For example, the reporting or keying of B727 for a flight actually performed by a B737 may not be detected during the system editing. That the aircraft type information is recorded by highly trained air traffic control tower staff using a common handbook of official aircraft codes will minimize this problem.

Similarly, the breakdown of the data on a geographic basis by use of location codes can be subject to error. For smaller locations, alphanumeric location codes are often used and the sequence of numbers and letters determines the geographic area to which the data are assigned. In some cases, where a sequence error has been introduced into the system either at the reporting unit or at data capture, a domestic movement may be classified as transborder or vice versa. The use of common manuals of location identifiers works to minimize this occurrence.

Appendix I

Factors influencing the data

Effective September 2010, the Calgary Airport Authority no longer permits anyone with a student pilot permit to take off or land at the Calgary International Airport. This has resulted in increased training flights at the nearby Calgary/Springbank airport.

On August 4, 2010, work was begun to close runway 16/34 at Edmonton City Centre Airport.

Effective July 1, 2010, NAV CANADA has changed the method it uses to collect local movements at the airports with air traffic control towers. This change may make comparisons to previous months' counts unreliable.

Lightning storms, combined with dry conditions, caused a rash of forest fires in northern Manitoba and Saskatchewan and in the British Columbia interior in July 2010.

Effective June 23, 2010, Virgin America Airlines launched direct daily service between Toronto/Lester B Pearson International, Ontario and California's two busiest terminals, in Los Angeles and San Francisco.

Skyservice, Canada's second-largest charter carrier, ceased operation at the end of March 2010.

Porter Airlines expanded its service to include St. John's, Newfoundland and Labrador on October 5, 2009, Boston Logan effective September 14, 2009, and Thunder Bay International Airport effective June 26, 2009.

Fredericton International, New Brunswick – As of January 2010, data for Fredericton International can be found in tables relating to NAV CANADA Towers.

Appendix II

Glossary of terms

Air carrier

Aircraft operators, licensed by the Canadian Transportation Agency to transport persons, mail and/or goods by air.

Level I-III air carriers: Canadian air carriers that, in the calendar year immediately preceding the report year, realized annual gross revenues of \$2,000,000 or more for the air services for which the air carrier held a licence. Also includes foreign air carriers.

Level IV-VI air carriers: Canadian air carriers that, in the calendar year immediately preceding the report year, realized annual gross revenues of less than \$2,000,000 for the air services for which the air carrier held a licence. Between 2000 and 2009, levels IV and VI were not applicable.

Aircraft movement

A take off, a landing, or a simulated approach by an aircraft. ATC Manops amendment 8-8-83. NC-703.

Class of operation

Aircraft movements are classified as either "Itinerant" or "Local".

Commercial

Flights by aircraft operators licensed by the Canadian Transportation Agency to perform commercial air services. Commercial operations are divided into two categories: **Air carrier** and **Other commercial**.

Domestic itinerant movements

Movements, at a Canadian airport, of aircraft departing to or arriving from another point in Canada.

FSS

Flight service station.

Government-Civil

Aircraft owned by federal, provincial and municipal bodies as well as foreign states, but excluding those owned by crown corporations, boards and commissions. Such aircraft are coded "3" under "Purpose" in the Canadian civil aircraft register.

Government-Military

Aircraft of any branch of the armed forces of any nation.

Gross take-off weight

The maximum weight for which the aircraft is licensed to operate. For operational purposes, all weights are rounded upwards to the next 1,000 kilograms. Thus 3,200 kilograms becomes 4,000 kilograms.

I.F.R. flight

A flight conducted in accordance with Instrument flight rules.

International movements

Movements, at a Canadian airport, of aircraft arriving from or departing to a point outside Canada. International movements are subclassified into "transborder" (to or from a point in the United States including Alaska, Hawaii, and Puerto Rico), and "other international" (to or from points in countries other than Canada and the United States). Since aircraft movements are reported on the basis of place "arrived from" or "departed to", an arrival at 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.

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.