

Catalogue no. 51-007-X

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



May 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" > "Providing services to Canadians."

Statistics Canada
Transportation Division

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

May 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.

June 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 **Gord Baldwin**, 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 decreased 4.0% in May 2010 compared with May 2009. These airports reported 539,905 movements in May compared with 562,502 movements in May 2009.
- Itinerant movements (flights from one airport to another) decreased 2.5% (-9,563 movements) in May 2010 compared with the same month a year earlier.
- Local movements (flights that remain in the vicinity of the airport) dropped by 7.4% (-13,034 movements) in May 2010 over the previous year.

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

	NAV CANADA towers	Percentage change, May 2009 to May 2010	NAV CANADA Flight Service Stations	Percentage change, May 2009 to May 2010	Total	Percentage change, May 2009 to May 2010
	number	percent	number	percent	number	percent
Grand total	435,679	-2.7	104,226	-9.3	539,905	-4.0
Itinerant movements						
Air carriers	222,341	1.6	54,686	-8.0	277,027	-0.4
Other commercial movements	34,935	-9.3	3,717	-14.1	38,652	-9.8
Private movements	32,257	-9.3	12,773	-4.6	45,030	-8.0
Government civil movements	5,507	-6.2	3,370	6.5	8,877	-1.7
Government military movements	4,830	18.3	1,671	-33.2	6,501	-1.2
Itinerant total	299,870	-1.0	76,217	-8.0	376,087	-2.5
Local movements						
Civil local movements	134,945	-5.9	26,825	-16.1	161,770	-7.8
Military local movements	864	-33.4	1,184	758.0	2,048	42.7
Local total	135,809	-6.2	28,009	-12.8	163,818	-7.4

Analysis

Aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations decreased 4.0% in May 2010 compared with May 2009. These airports reported 539,905 movements in May compared with 562,502 movements in May 2009.

Itinerant movements (flights from one airport to another) decreased 2.5% (-9,563 movements) in May 2010 compared with the same month a year earlier.

Local movements (flights that remain in the vicinity of the airport) dropped by 7.4% (-13,034 movements) in May 2010 over the previous year.

Airports with NAV CANADA air traffic control towers

The 42 Canadian airports with NAV CANADA air traffic control towers reported 435,679 aircraft take-offs and landings in May 2010, down 2.7% (-11,895 movements) from May 2009. The variations ranged from an increase of 50.5% at Toronto/Buttonville Municipal, Ontario to a decline of 47.9% at Windsor, Ontario. Year-over-year increases in the number of aircraft movements were reported by 17 of these airports in May 2010.

Itinerant movements (flights from one airport to another) decreased 1.0 % (-2,962 movements) in May 2010 compared with the same month a year earlier. Year-over-year variations ranged from an 87.4% increase (+4,693 movements) at Toronto/Billy Bishop Toronto City, Ontario to a decline of 38.1% (-3,500 movements) at Boundary Bay, British Columbia.

Local movements (flights that remain in the vicinity of the airport) declined by 8,933 movements (-6.2%) in May 2010 compared with May 2009. Toronto/Buttonville Municipal, Ontario recorded the largest gain, increasing by 8,084 movements (+103.5%) while Boundary Bay, British Columbia reported the largest decline with 6,202 fewer movements (-48.0%) compared with the previous year.

The Flight Service Station at Fredericton International, New Brunswick closed effective January 2010 and re-opened as an Air Traffic Control Tower. Fredericton International reported 9,872 movements in May 2010 compared with 10,790 movements reported for the Flight Service Station in May 2009, down 8.5%.

Airports with NAV CANADA flight service stations

The 51 Canadian airports with NAV CANADA flight service stations reported 104,226 aircraft take-offs and landings in May 2010 down 9.3% (-10,702 movements) compared with May 2009. The variations ranged from a 54.8% increase (+1,349 movements) at Montréal/Mirabel International, Quebec to a decline of 43.7% (-1,126 movements) at Medicine Hat, Alberta. Year-over-year increases in aircraft movements were reported by 28 of these airports in May 2010.

Itinerant movements (flights from one airport to another) decreased 8.0% (-6,601 movements) in May 2010 compared with the same month a year earlier. Variations ranged from a 55.0% increase (+639 movements) at Val-d'Or, Quebec to a decline of 40.7% (-931 movements) at Brandon Municipal, Manitoba.

Local movements (flights that remain in the vicinity of the airport) recorded in May 2010 dropped by 12.8% (-4,101 movements) compared with the same month a year earlier. Montréal/Mirabel International, Quebec recorded the largest gain in local movements, reporting an increase of 1,161 movements (+158.4%). Campbell River, British Columbia recorded the largest decline in local movements, reporting 744 fewer movements (-62.5%) compared with May 2009.

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	16	11,038	20	5,131	8	5,907
Boundary Bay	11	12,421	16	5,695	5	6,726
Calgary International	5	19,759	3	19,604	38	155
Calgary/Springbank	14	11,329	26	4,321	4	7,008
Chicoutimi/St-Honoré	22	7,926	34	3,242	10	4,684
Edmonton City Centre	30	6,398	18	5,418	30	980
Edmonton International	18	10,850	7	10,602	36	248
Edmonton/Villeneuve	27	6,746	36	2,690	14	4,056
Fort McMurray	29	6,401	22	4,880	28	1,521
Fredericton International	21	9,872	19	5,384	11	4,488
Gander International	41	2,599	41	1,716	33	883
Halifax/Robert L Stanfield International	23	7,571	13	7,162	35	409
Hamilton	37	4,252	33	3,259	29	993
Kelowna	28	6,490	27	4,216	20	2,274
Kitchener/Waterloo	20	9,908	23	4,805	9	5,103
Langley	24	7,544	32	3,470	13	4,074
London	9	13,864	15	6,163	3	7,701
Moncton/Greater Moncton International	17	11,024	14	6,592	12	4,432
Montréal/Pierre Elliott Trudeau International	6	18,397	4	18,397	0	0
Montréal/St-Hubert	4	22,116	9	10,030	2	12,086
Oshawa	35	4,454	38	2,449	24	2,005
Ottawa/Macdonald-Cartier International	7	14,643	5	12,157	19	2,486
Pitt Meadows	15	11,262	24	4,799	7	6,463
Prince George	34	5,360	35	3,169	21	2,191
Québec/Jean Lesage International	10	12,914	10	9,053	16	3,861
Regina International	33	5,407	30	3,819	27	1,588
Saskatoon/John G Diefenbaker International	25	7,442	17	5,423	23	2,019
Sault Ste. Marie	32	5,665	37	2,646	18	3,019
St. John's International	38	3,781	31	3,613	37	168
St-Jean	39	3,731	40	2,133	26	1,598
Thunder Bay	26	7,276	21	5,128	22	2,148
Toronto/Billy Bishop Toronto City	8	14,073	8	10,060	15	4,013
Toronto/Buttonville Municipal	3	24,326	11	8,434	1	15,892
Toronto/Lester B Pearson International	1	35,161	1	35,161	0	0
Vancouver Harbour	36	4,334	25	4,334	0	0
Vancouver International	2	24,972	2	24,972	0	0
Victoria International	13	11,609	12	7,775	17	3,834
Whitehorse International	40	3,161	39	2,218	32	943
Windsor	42	1,859	42	1,307	34	552
Winnipeg/James Armstrong Richardson International	12	11,612	6	10,649	31	963
Winnipeg/St. Andrews	19	10,383	29	3,888	6	6,495
Yellowknife	31	5,749	28	3,906	25	1,843
Total of NAV CANADA towers (42)	.	435,679	.	299,870	.	135,809

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	18	2,136	28	1,354	13	782
Campbell River	24	1,845	27	1,399	18	446
Castlegar	48	600	48	522	39	78
Charlottetown	25	1,822	26	1,405	21	417
Churchill	44	823	42	801	46	22
Cranbrook	34	1,420	35	1,052	24	368
Deer Lake	35	1,415	30	1,289	32	126
Fort Nelson	28	1,758	24	1,466	25	292
Fort St John	14	2,572	13	1,874	15	698
Grande Prairie	2	4,472	3	3,239	8	1,233
High Level	38	1,164	34	1,084	37	80
Îles-de-la-Madeleine	51	335	51	335	0	0
Inuvik/Mike Zubko	32	1,578	22	1,498	36	80
Iqaluit	30	1,661	20	1,607	43	54
Kamloops	7	3,644	11	2,000	6	1,644
Kenora	36	1,370	33	1,128	29	242
Kingston	13	3,010	14	1,862	9	1,148
Kuujuuaq	40	1,068	36	990	38	78
La Grande Rivière	47	614	47	598	47	16
La Ronge	22	2,027	21	1,573	17	454
Lethbridge	21	2,032	29	1,324	14	708
Lloydminster	39	1,132	44	746	23	386
Medicine Hat	33	1,450	39	964	16	486
Mont-Joli	50	449	49	449	0	0
Montréal/Mirabel International	5	3,812	12	1,918	3	1,894
Nanaimo	6	3,785	9	2,167	7	1,618
Norman Wells	27	1,765	37	979	12	786
North Bay	3	4,385	15	1,855	2	2,530
Ottawa/Gatineau	1	5,163	8	2,171	1	2,992
Peace River	46	648	46	618	44	30
Penticton	12	3,167	23	1,493	5	1,674
Port Hardy	41	1,002	41	824	30	178
Prince Albert	23	1,920	16	1,829	35	91
Prince Rupert	49	468	50	375	34	93
Rankin Inlet	37	1,201	31	1,201	0	0
Red Deer Regional	8	3,401	18	1,687	4	1,714
Rouyn-Noranda	29	1,724	25	1,453	28	271
Saint John	20	2,037	19	1,608	20	429
Sept-Îles	17	2,377	10	2,087	26	290
Sioux Lookout	15	2,556	6	2,384	31	172
Smithers	45	661	45	633	45	28
St Catharines	9	3,371	7	2,295	10	1,076
Sudbury	4	4,136	1	3,692	19	444
Terrace	31	1,603	32	1,195	22	408
Thompson	11	3,213	4	3,098	33	115
Timmins	16	2,531	5	2,463	42	68
Val-d'Or	19	2,081	17	1,801	27	280
Victoria Harbour	10	3,242	2	3,242	0	0
Wabush	43	856	43	784	41	72
Whitecourt	26	1,809	38	965	11	844
Williams Lake	42	915	40	841	40	74
Total of all flight service stations (51)	.	104,226	.	76,217	.	28,009

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

	Civil movements			Military movements			
	Total	Itinerant		Civil	Total	Itinerant	Military
		Commercial	Private and government				
	number						
Abbotsford	10,903	3,906	1,094	5,903	135	131	4
Boundary Bay	12,417	4,378	1,314	6,725	4	3	1
Calgary International	19,636	18,191	1,290	155	123	123	0
Calgary/Springbank	11,323	3,035	1,282	7,006	6	4	2
Chicoutimi/St-Honoré	7,879	2,882	313	4,684	47	47	0
Edmonton City Centre	6,378	3,984	1,422	972	20	12	8
Edmonton International	10,810	10,072	490	248	40	40	0
Edmonton/Villeneuve	5,852	1,511	286	4,055	894	893	1
Fort McMurray	6,398	4,300	579	1,519	3	1	2
Fredericton International	9,702	4,944	291	4,467	170	149	21
Gander International	2,123	1,072	362	689	476	282	194
Halifax/Robert L. Stanfield International	7,474	6,608	457	409	97	97	0
Hamilton	4,241	2,246	1,002	993	11	11	0
Kelowna	6,450	3,442	734	2,274	40	40	0
Kitchener/Waterloo	9,833	3,499	1,246	5,088	75	60	15
Langley	7,543	2,364	1,105	4,074	1	1	0
London	13,846	5,322	834	7,690	18	7	11
Moncton/Greater Moncton International	10,980	6,196	352	4,432	44	44	0
Montréal/Pierre Elliott Trudeau International	18,353	16,951	1,402	0	44	44	0
Montréal/St-Hubert	21,946	8,266	1,604	12,076	170	160	10
Oshawa	4,443	1,487	955	2,001	11	7	4
Ottawa/Macdonald-Cartier International	14,425	10,844	1,120	2,461	218	193	25
Pitt Meadows	11,193	3,256	1,474	6,463	69	69	0
Prince George	5,131	2,254	686	2,191	229	229	0
Québec/Jean Lesage International	12,667	6,623	2,183	3,861	247	247	0
Regina International	5,147	3,018	597	1,532	260	204	56
Saskatoon/John G. Diefenbaker International	7,243	4,435	895	1,913	199	93	106
Sault Ste. Marie	5,646	2,324	311	3,011	19	11	8
St. John's International	3,531	2,991	374	166	250	248	2
St-Jean	3,112	684	830	1,598	619	619	0
Thunder Bay	7,212	4,680	384	2,148	64	64	0
Toronto/Billy Bishop Toronto City	14,064	9,199	852	4,013	9	9	0
Toronto/Buttonville Municipal	24,326	4,714	3,720	15,892	0	0	0
Toronto/Lester B. Pearson International	35,129	33,927	1,202	0	32	32	0
Vancouver Harbour	4,334	4,301	33	0	0	0	0
Vancouver International	24,954	23,751	1,203	0	18	18	0
Victoria International	11,258	6,128	1,486	3,644	351	161	190
Whitehorse International	3,153	1,644	566	943	8	8	0
Windsor	1,859	980	327	552	0	0	0
Winnipeg/James Armstrong Richardson International	11,237	9,622	652	963	375	375	0
Winnipeg/St. Andrews	10,376	3,629	252	6,495	7	7	0
Yellowknife	5,458	3,616	203	1,639	291	87	204
Total of NAV CANADA towers (42)	429,985	257,276	37,764	134,945	5,694	4,830	864

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

	Civil movements				Military movements		
	Total	Itinerant		Civil	Total	Itinerant	Military
		Commercial	Private and government				
	number						
Brandon Municipal	1,627	478	419	730	509	457	52
Campbell River	1,831	1,018	367	446	14	14	0
Castlegar	594	432	84	78	6	6	0
Charlottetown	1,755	1,118	232	405	67	55	12
Churchill	823	739	62	22	0	0	0
Cranbrook	1,327	635	324	368	93	93	0
Deer Lake	1,401	1,192	83	126	14	14	0
Fort Nelson	1,734	1,227	215	292	24	24	0
Fort St John	2,526	1,436	392	698	46	46	0
Grande Prairie	4,192	2,574	493	1,125	280	172	108
High Level	1,162	1,007	75	80	2	2	0
Îles-de-la-Madeleine	321	260	61	0	14	14	0
Inuvik/Mike Zubko	1,567	1,460	27	80	11	11	0
Iqaluit	1,635	1,441	140	54	26	26	0
Kamloops	3,558	1,363	563	1,632	86	74	12
Kenora	1,242	899	179	164	128	50	78
Kingston	2,956	1,239	569	1,148	54	54	0
Kuujuuaq	1,068	918	72	78	0	0	0
La Grande Rivière	613	551	46	16	1	1	0
La Ronge	2,024	1,206	364	454	3	3	0
Lethbridge	2,014	870	436	708	18	18	0
Lloydminster	1,128	421	321	386	4	4	0
Medicine Hat	1,428	681	261	486	22	22	0
Mont-Joli	447	397	50	0	2	2	0
Montréal/Mirabel International	3,791	1,506	395	1,890	21	17	4
Nanaimo	2,778	1,228	842	708	1,007	97	910
Norman Wells	1,765	937	42	786	0	0	0
North Bay	4,353	1,217	606	2,530	32	32	0
Ottawa/Gatineau	5,150	1,200	958	2,992	13	13	0
Peace River	642	545	67	30	6	6	0
Penticton	3,086	1,046	366	1,674	81	81	0
Port Hardy	984	627	187	170	18	10	8
Prince Albert	1,917	1,403	423	91	3	3	0
Prince Rupert	468	275	100	93	0	0	0
Rankin Inlet	1,197	1,183	14	0	4	4	0
Red Deer Regional	3,392	986	692	1,714	9	9	0
Rouyn-Noranda	1,643	1,064	308	271	81	81	0
Saint John	1,935	1,096	410	429	102	102	0
Sept-Îles	2,375	1,885	200	290	2	2	0
Sioux Lookout	2,554	2,257	125	172	2	2	0
Smithers	657	516	113	28	4	4	0
St Catharines	3,365	827	1,462	1,076	6	6	0
Sudbury	4,119	2,855	820	444	17	17	0
Terrace	1,601	1,107	86	408	2	2	0
Thompson	3,209	2,857	237	115	4	4	0
Timmins	2,523	1,956	499	68	8	8	0
Val-d'Or	2,078	1,387	411	280	3	3	0
Victoria Harbour	3,236	2,769	467	0	6	6	0
Wabush	856	680	104	72	0	0	0
Whitecourt	1,809	830	135	844	0	0	0
Williams Lake	915	602	239	74	0	0	0
Total of all flight service stations (51)	101,371	58,403	16,143	26,825	2,855	1,671	1,184

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	5,131	525	2,414	967	1,001	93	131
Boundary Bay	5,695	6	1,358	3,014	1,298	16	3
Calgary International	19,604	16,940	728	523	1,119	171	123
Calgary/Springbank	4,321	45	501	2,489	1,264	18	4
Chicoutimi/St-Honoré	3,242	610	76	2,196	303	10	47
Edmonton City Centre	5,418	1,514	620	1,850	974	448	12
Edmonton International	10,602	9,651	304	117	444	46	40
Edmonton/Villeneuve	2,690	2	287	1,222	277	9	893
Fort McMurray	4,880	1,571	2,479	250	555	24	1
Fredericton International	5,384	869	4,055	20	173	118	149
Gander International	1,716	541	521	10	199	163	282
Halifax/Robert L. Stanfield International	7,162	6,101	480	27	374	83	97
Hamilton	3,259	1,807	392	47	631	371	11
Kelowna	4,216	2,632	358	452	644	90	40
Kitchener/Waterloo	4,805	334	3,057	108	1,224	22	60
Langley	3,470	82	409	1,873	1,072	33	1
London	6,163	1,543	804	2,975	763	71	7
Moncton/Greater Moncton International	6,592	1,623	4,561	12	202	150	44
Montréal/Pierre Elliott Trudeau International	18,397	15,948	951	52	1,198	204	44
Montréal/St-Hubert	10,030	4,796	807	2,663	1,434	170	160
Oshawa	2,449	72	181	1,234	891	64	7
Ottawa/Macdonald-Cartier International	12,157	7,896	593	2,355	573	547	193
Pitt Meadows	4,799	12	1,452	1,792	1,438	36	69
Prince George	3,169	1,236	930	88	567	119	229
Québec/Jean Lesage International	9,053	3,887	2,476	260	1,681	502	247
Regina International	3,819	2,317	664	37	415	182	204
Saskatoon/John G. Diefenbaker International	5,423	3,162	855	418	526	369	93
Sault Ste. Marie	2,646	965	97	1,262	221	90	11
St. John's International	3,613	2,177	780	34	206	168	248
St-Jean	2,133	109	321	254	794	36	619
Thunder Bay	5,128	3,202	647	831	202	182	64
Toronto/Billy Bishop Toronto City	10,060	3,670	1,925	3,604	828	24	9
Toronto/Buttonville Municipal	8,434	414	4,035	265	3,681	39	0
Toronto/Lester B. Pearson International	35,161	33,321	597	9	1,183	19	32
Vancouver Harbour	4,334	3,981	320	0	33	0	0
Vancouver International	24,972	21,903	1,796	52	803	400	18
Victoria International	7,775	3,296	2,456	376	1,442	44	161
Whitehorse International	2,218	960	597	87	515	51	8
Windsor	1,307	489	452	39	309	18	0
Winnipeg/James Armstrong Richardson International	10,649	9,078	452	92	402	250	375
Winnipeg/St. Andrews	3,888	632	2,049	948	252	0	7
Yellowknife	3,906	2,950	635	31	146	57	87
Total of NAV CANADA towers (42)	299,870	172,869	49,472	34,935	32,257	5,507	4,830

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
	number						
Brandon Municipal	1,354	162	281	35	400	19	457
Campbell River	1,399	587	273	158	341	26	14
Castlegar	522	278	121	33	78	6	6
Charlottetown	1,405	788	190	140	165	67	55
Churchill	801	702	33	4	39	23	0
Cranbrook	1,052	558	51	26	312	12	93
Deer Lake	1,289	1,025	163	4	22	61	14
Fort Nelson	1,466	340	866	21	211	4	24
Fort St John	1,874	734	677	25	362	30	46
Grande Prairie	3,239	1,280	1,089	205	453	40	172
High Level	1,084	380	621	6	59	16	2
Îles-de-la-Madeleine	335	224	32	4	10	51	14
Inuvik/Mike Zubko	1,498	1,125	335	0	4	23	11
Iqaluit	1,607	1,318	110	13	83	57	26
Kamloops	2,000	944	340	79	501	62	74
Kenora	1,128	447	364	88	112	67	50
Kingston	1,862	491	382	366	543	26	54
Kuujuuaq	990	755	161	2	44	28	0
La Grande Rivière	598	397	150	4	32	14	1
La Ronge	1,573	961	237	8	58	306	3
Lethbridge	1,324	342	30	498	414	22	18
Lloydminster	746	134	261	26	291	30	4
Medicine Hat	964	456	209	16	249	12	22
Mont-Joli	449	319	46	32	31	19	2
Montréal/Mirabel International	1,918	811	438	257	389	6	17
Nanaimo	2,167	516	600	112	711	131	97
Norman Wells	979	635	302	0	23	19	0
North Bay	1,855	597	519	101	477	129	32
Ottawa/Gatineau	2,171	140	662	398	830	128	13
Peace River	618	372	163	10	48	19	6
Penticton	1,493	292	731	23	351	15	81
Port Hardy	824	563	56	8	96	91	10
Prince Albert	1,829	1,249	132	22	122	301	3
Prince Rupert	375	233	42	0	67	33	0
Rankin Inlet	1,201	1,082	90	11	4	10	4
Red Deer Regional	1,687	246	599	141	664	28	9
Rouyn-Noranda	1,453	632	206	226	268	40	81
Saint John	1,608	768	288	40	395	15	102
Sept-Îles	2,087	1,251	603	31	116	84	2
Sioux Lookout	2,384	1,772	471	14	80	45	2
Smithers	633	418	94	4	104	9	4
St Catharines	2,295	11	763	53	1,451	11	6
Sudbury	3,692	1,698	1,039	118	371	449	17
Terrace	1,195	562	422	123	52	34	2
Thompson	3,098	2,540	315	2	37	200	4
Timmins	2,463	1,521	400	35	214	285	8
Val-d'Or	1,801	756	590	41	278	133	3
Victoria Harbour	3,242	2,756	13	0	384	83	6
Wabush	784	632	48	0	88	16	0
Whitecourt	965	26	664	140	113	22	0
Williams Lake	841	433	155	14	226	13	0
Total of all flight service stations (51)	76,217	37,259	17,427	3,717	12,773	3,370	1,671

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	5,131	1,087	21.1	4,044	78.8	1,839
Boundary Bay	5,695	363	6.3	5,332	93.6	616
Calgary International	19,604	18,524	94.4	1,080	5.5	547
Calgary/Springbank	4,321	454	10.5	3,867	89.4	411
Chicoutimi/St-Honoré	3,242	254	7.8	2,988	92.1	144
Edmonton City Centre	5,418	2,420	44.6	2,998	55.3	1,253
Edmonton International	10,602	10,178	96.0	424	3.9	652
Edmonton/Villeneuve	2,690	34	1.2	2,656	98.7	142
Fort McMurray	4,880	1,973	40.4	2,907	59.5	346
Fredericton International	5,384	1,470	27.3	3,914	72.6	154
Gander International	1,716	1,148	66.8	568	33.1	173
Halifax/Robert L. Stanfield International	7,162	6,602	92.1	560	7.8	296
Hamilton	3,259	2,163	66.3	1,096	33.6	665
Kelowna	4,216	2,609	61.8	1,607	38.1	830
Kitchener/Waterloo	4,805	881	18.3	3,924	81.6	573
Langley	3,470	43	1.2	3,427	98.7	646
London	6,163	1,913	31.0	4,250	68.9	563
Moncton/Greater Moncton International	6,592	2,605	39.5	3,987	60.4	290
Montréal/Pierre Elliott Trudeau International	18,397	17,618	95.7	779	4.2	1,477
Montréal/St-Hubert	10,030	1,555	15.5	8,475	84.4	826
Oshawa	2,449	128	5.2	2,321	94.7	526
Ottawa/Macdonald-Cartier International	12,157	8,788	72.2	3,369	27.7	1,264
Pitt Meadows	4,799	50	1.0	4,749	98.9	1,985
Prince George	3,169	1,347	42.5	1,822	57.4	457
Québec/Jean Lesage International	9,053	4,732	52.2	4,321	47.7	1,088
Regina International	3,819	2,822	73.8	997	26.1	70
Saskatoon/John G. Diefenbaker International	5,423	3,823	70.4	1,600	29.5	111
Sault Ste. Marie	2,646	1,212	45.8	1,434	54.1	115
St. John's International	3,613	3,267	90.4	346	9.5	91
St-Jean	2,133	266	12.4	1,867	87.5	271
Thunder Bay	5,128	3,455	67.3	1,673	32.6	66
Toronto/Billy Bishop Toronto City	10,060	4,035	40.1	6,025	59.8	2,109
Toronto/Buttonville Municipal	8,434	780	9.2	7,654	90.7	1,116
Toronto/Lester B. Pearson International	35,161	35,046	99.6	115	0.3	35
Vancouver Harbour	4,334	93	2.1	4,241	97.8	2,188
Vancouver International	24,972	19,763	79.1	5,209	20.8	9
Victoria International	7,775	3,786	48.6	3,989	51.3	4,146
Whitehorse International	2,218	570	25.6	1,648	74.3	274
Windsor	1,307	544	41.6	763	58.3	67
Winnipeg/James Armstrong Richardson International	10,649	9,549	89.6	1,100	10.3	0
Winnipeg/St. Andrews	3,888	137	3.5	3,751	96.4	4
Yellowknife	3,906	2,019	51.6	1,887	48.3	181
Total of NAV CANADA towers (42)	299,870	180,106	60.1	119,764	39.9	28,616

1. Total excludes runway 88 flights.

Table 4-2

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

	Itinerant movements				Runway 88	
	Total of IFR and VFR flights ¹	Instrument flight rules	Percentage instrument flight rules	Visual flight rules		Percentage visual flight rules
	number		percent	number		percent
Brandon Municipal	1,354	202	14.9	1,152	85.0	8
Campbell River	1,399	456	32.5	943	67.4	274
Castlegar	522	299	57.2	223	42.7	123
Charlottetown	1,405	975	69.3	430	30.6	26
Churchill	801	723	90.2	78	9.7	44
Cranbrook	1,052	622	59.1	430	40.8	122
Deer Lake	1,289	1,191	92.3	98	7.6	23
Fort Nelson	1,466	373	25.4	1,093	74.5	86
Fort St John	1,874	823	43.9	1,051	56.0	136
Grande Prairie	3,239	1,458	45.0	1,781	54.9	224
High Level	1,084	222	20.4	862	79.5	184
Îles-de-la-Madeleine	335	310	92.5	25	7.4	7
Inuvik/Mike Zubko	1,498	322	21.4	1,176	78.5	21
Iqaluit	1,607	1,273	79.2	334	20.7	0
Kamloops	2,000	1,036	51.8	964	48.2	342
Kenora	1,128	491	43.5	637	56.4	275
Kingston	1,862	612	32.8	1,250	67.1	175
Kuujuuaq	990	417	42.1	573	57.8	6
La Grande Rivière	598	487	81.4	111	18.5	200
La Ronge	1,573	620	39.4	953	60.5	795
Lethbridge	1,324	514	38.8	810	61.1	25
Lloydminster	746	202	27.0	544	72.9	31
Medicine Hat	964	384	39.8	580	60.1	141
Mont-Joli	449	348	77.5	101	22.4	35
Montréal/Mirabel International	1,918	1,088	56.7	830	43.2	1,094
Nanaimo	2,167	742	34.2	1,425	65.7	993
Norman Wells	979	145	14.8	834	85.1	414
North Bay	1,855	694	37.4	1,161	62.5	613
Ottawa/Gatineau	2,171	218	10.0	1,953	89.9	488
Peace River	618	289	46.7	329	53.2	77
Penticton	1,493	284	19.0	1,209	80.9	221
Port Hardy	824	282	34.2	542	65.7	286
Prince Albert	1,829	1,275	69.7	554	30.2	206
Prince Rupert	375	255	68.0	120	32.0	17
Rankin Inlet	1,201	934	77.7	267	22.2	0
Red Deer Regional	1,687	365	21.6	1,322	78.3	406
Rouyn-Noranda	1,453	794	54.6	659	45.3	134
Saint John	1,608	1,055	65.6	553	34.3	71
Sept-Îles	2,087	1,382	66.2	705	33.7	319
Sioux Lookout	2,384	1,731	72.6	653	27.3	894
Smithers	633	398	62.8	235	37.1	287
St Catharines	2,295	114	4.9	2,181	95.0	340
Sudbury	3,692	1,875	50.7	1,817	49.2	232
Terrace	1,195	562	47.0	633	52.9	182
Thompson	3,098	1,926	62.1	1,172	37.8	167
Timmins	2,463	1,666	67.6	797	32.3	367
Val-d'Or	1,801	783	43.4	1,018	56.5	462
Victoria Harbour	3,242	107	3.3	3,135	96.6	493
Wabush	784	711	90.6	73	9.3	70
Whitecourt	965	68	7.0	897	92.9	176
Williams Lake	841	465	55.2	376	44.7	215
Total of all flight service stations (51)	76,217	34,568	45.4	41,649	54.6	12,527

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	5,131	456	496	3,309	826	44
Boundary Bay	5,695	6	52	5,365	272	0
Calgary International	19,604	13,507	4,857	622	618	0
Calgary/Springbank	4,321	17	112	3,747	445	0
Chicoutimi/St-Honoré	3,242	4	83	2,659	496	0
Edmonton City Centre	5,418	493	1,715	2,398	812	0
Edmonton International	10,602	7,083	2,974	494	51	0
Edmonton/Villeneuve	2,690	11	8	1,947	279	445
Fort McMurray	4,880	1,206	1,312	1,170	1,192	0
Fredericton International	5,384	346	780	4,083	175	0
Gander International	1,716	550	545	460	161	0
Halifax/Robert L. Stanfield International	7,162	4,262	2,117	451	332	0
Hamilton	3,259	1,350	765	995	149	0
Kelowna	4,216	1,036	1,570	1,231	379	0
Kitchener/Waterloo	4,805	177	286	3,934	407	1
Langley	3,470	0	83	2,739	644	4
London	6,163	619	1,230	4,095	217	2
Moncton/Greater Moncton International	6,592	1,072	830	4,614	76	0
Montréal/Pierre Elliott Trudeau International	18,397	12,244	5,302	551	300	0
Montréal/St-Hubert	10,030	248	869	8,320	593	0
Oshawa	2,449	4	52	2,304	88	1
Ottawa/Macdonald-Cartier International	12,157	5,946	2,807	2,980	424	0
Pitt Meadows	4,799	1	46	4,295	429	28
Prince George	3,169	480	1,086	667	809	127
Québec/Jean Lesage International	9,053	1,335	3,152	3,356	1,207	3
Regina International	3,819	1,911	623	1,219	66	0
Saskatoon/John G. Diefenbaker International	5,423	2,049	1,660	1,678	36	0
Sault Ste. Marie	2,646	28	1,091	1,479	48	0
St. John's International	3,613	1,451	1,646	104	412	0
St-Jean	2,133	0	76	1,636	68	353
Thunder Bay	5,128	782	2,801	1,117	428	0
Toronto/Billy Bishop Toronto City	10,060	5	3,942	5,655	458	0
Toronto/Buttonville Municipal	8,434	85	354	7,683	312	0
Toronto/Lester B. Pearson International	35,161	29,106	5,994	43	18	0
Vancouver Harbour	4,334	0	2,297	1,303	734	0
Vancouver International	24,972	11,785	9,348	2,967	872	0
Victoria International	7,775	1,247	2,296	3,921	311	0
Whitehorse International	2,218	385	518	845	469	1
Windsor	1,307	61	483	731	32	0
Winnipeg/James Armstrong Richardson International	10,649	5,202	4,452	866	129	0
Winnipeg/St. Andrews	3,888	2	607	3,044	235	0
Yellowknife	3,906	787	2,092	394	631	2
Total of NAV CANADA towers (42)	299,870	107,339	73,409	101,471	16,640	1,011

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	1,354	188	223	638	125	180
Campbell River	1,399	28	620	518	233	0
Castlegar	522	8	300	105	109	0
Charlottetown	1,405	542	271	559	31	2
Churchill	801	10	737	35	19	0
Cranbrook	1,052	22	540	425	31	34
Deer Lake	1,289	272	936	43	38	0
Fort Nelson	1,466	41	349	280	796	0
Fort St John	1,874	280	615	531	448	0
Grande Prairie	3,239	225	1,355	901	678	80
High Level	1,084	2	385	413	284	0
Îles-de-la-Madeleine	335	24	265	46	0	0
Inuvik/Mike Zubko	1,498	108	836	246	308	0
Iqaluit	1,607	460	1,083	10	54	0
Kamloops	2,000	167	1,043	470	320	0
Kenora	1,128	13	535	349	231	0
Kingston	1,862	39	537	1,215	71	0
Kuujuuaq	990	121	673	87	109	0
La Grande Rivière	598	34	487	62	15	0
La Ronge	1,573	4	1,124	417	28	0
Lethbridge	1,324	49	417	824	34	0
Lloydminster	746	7	196	491	52	0
Medicine Hat	964	30	449	379	106	0
Mont-Joli	449	10	328	100	11	0
Montréal/Mirabel International	1,918	492	331	778	317	0
Nanaimo	2,167	21	630	1,402	92	22
Norman Wells	979	130	231	322	296	0
North Bay	1,855	48	700	523	539	45
Ottawa/Gatineau	2,171	46	171	1,660	292	2
Peace River	618	12	339	112	155	0
Penticton	1,493	11	325	717	440	0
Port Hardy	824	6	527	162	129	0
Prince Albert	1,829	12	1,328	387	102	0
Prince Rupert	375	35	260	31	49	0
Rankin Inlet	1,201	160	948	3	90	0
Red Deer Regional	1,687	51	332	1,239	65	0
Rouyn-Noranda	1,453	93	761	457	65	77
Saint John	1,608	363	574	552	119	0
Sept-Îles	2,087	34	1,278	339	435	1
Sioux Lookout	2,384	4	1,997	357	26	0
Smithers	633	8	443	104	78	0
St Catharines	2,295	11	26	1,523	262	473
Sudbury	3,692	34	2,178	691	787	2
Terrace	1,195	21	584	57	533	0
Thompson	3,098	10	2,462	468	158	0
Timmins	2,463	20	1,951	297	195	0
Val-d'Or	1,801	79	817	699	206	0
Victoria Harbour	3,242	0	2,248	325	669	0
Wabush	784	14	640	86	44	0
Whitecourt	965	34	171	114	646	0
Williams Lake	841	6	485	245	105	0
Total of all flight service stations (51)	76,217	4,439	37,041	22,794	11,025	918

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	3,631	458	200	128	38	63	591	22	0	0
Boundary Bay	5,163	430	92	0	8	2	0	0	0	0
Calgary International	833	460	1,282	1,829	953	4,610	8,193	513	223	708
Calgary/Springbank	3,918	274	106	20	2	1	0	0	0	0
Chicoutimi/St-Honoré	2,686	432	94	6	0	1	1	22	0	0
Edmonton City Centre	2,695	561	1,459	546	124	31	2	0	0	0
Edmonton International	391	206	419	808	336	2,535	5,302	301	153	151
Edmonton/Villeneuve	2,565	81	42	2	0	0	0	0	0	0
Fort McMurray	1,917	802	424	419	75	646	597	0	0	0
Fredericton International	3,964	171	383	264	144	426	18	0	0	14
Gander International	354	19	49	385	273	363	58	113	32	70
Halifax/Robert L. Stanfield International	226	304	302	842	858	1,590	2,329	377	135	199
Hamilton	923	546	237	314	161	30	483	2	473	90
Kelowna	1,365	213	269	574	49	872	853	0	21	0
Kitchener/Waterloo	4,091	210	332	64	33	13	62	0	0	0
Langley	3,311	115	33	0	7	0	4	0	0	0
London	4,202	213	339	59	661	417	270	0	2	0
Moncton/Greater Moncton International	4,514	176	384	334	149	373	403	7	248	4
Montréal/Pierre Elliott Trudeau International	590	182	693	824	2,749	6,184	4,325	1,521	16	1,313
Montréal/St-Hubert	8,154	555	834	292	181	6	8	0	0	0
Oshawa	2,251	146	44	0	4	2	0	2	0	0
Ottawa/Macdonald-Cartier International	2,937	303	1,137	223	551	3,335	2,698	665	54	254
Pitt Meadows	4,560	154	78	6	0	0	0	0	0	1
Prince George	1,141	288	423	654	8	463	192	0	0	0
Québec/Jean Lesage International	3,617	767	884	422	1,370	1,555	391	10	1	36
Regina International	911	338	392	296	51	1,063	684	0	84	0
Saskatoon/John G. Diefenbaker International	1,309	411	810	584	189	1,357	723	0	40	0
Sault Ste. Marie	1,460	149	533	76	391	33	0	4	0	0
St. John's International	102	29	240	651	819	432	913	333	77	17
St-Jean	1,964	65	100	4	0	0	0	0	0	0
Thunder Bay	1,081	380	2,253	321	28	577	484	4	0	0
Toronto/Billy Bishop Toronto City	5,605	324	685	26	5	3,411	0	4	0	0
Toronto/Buttonville Municipal	7,541	531	270	72	12	8	0	0	0	0
Toronto/Lester B. Pearson International	18	189	312	2,077	4,297	7,073	13,652	4,062	359	3,122
Vancouver Harbour	87	3,096	1,151	0	0	0	0	0	0	0
Vancouver International	1,039	3,718	914	2,648	1,901	4,903	6,096	1,469	364	1,920
Victoria International	3,223	1,044	203	398	1,105	1,115	635	21	31	0
Whitehorse International	1,067	279	228	82	44	248	260	0	0	10
Windsor	683	118	37	66	317	80	6	0	0	0
Winnipeg/James Armstrong Richardson International	508	457	3,160	479	836	1,720	2,459	380	575	75
Winnipeg/St. Andrews	2,881	805	193	7	2	0	0	0	0	0
Yellowknife	725	355	935	216	232	732	588	123	0	0
Total of NAV CANADA towers (42)	100,203	20,354	22,955	17,018	18,963	46,270	53,280	9,955	2,888	7,984

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	801	194	287	24	22	4	12	10	0	0
Campbell River	670	62	54	497	110	6	0	0	0	0
Castlegar	174	34	34	45	76	159	0	0	0	0
Charlottetown	418	162	39	41	209	426	107	3	0	0
Churchill	38	23	134	135	127	342	2	0	0	0
Cranbrook	414	70	61	300	90	117	0	0	0	0
Deer Lake	42	18	61	314	573	181	96	4	0	0
Fort Nelson	940	104	130	172	110	2	8	0	0	0
Fort St John	920	22	227	316	135	251	3	0	0	0
Grande Prairie	1,298	309	517	301	24	587	151	52	0	0
High Level	500	243	212	114	2	9	4	0	0	0
Îles-de-la-Madeleine	10	70	13	51	156	25	8	2	0	0
Inuvik/Mike Zubko	512	41	768	9	4	65	97	2	0	0
Iqaluit	13	8	478	86	234	426	281	26	0	55
Kamloops	611	176	176	397	125	412	103	0	0	0
Kenora	262	156	652	14	16	17	1	10	0	0
Kingston	1,193	67	119	307	156	15	0	5	0	0
Kuujuuaq	113	69	563	3	102	35	87	0	0	18
La Grande Rivière	36	38	98	10	67	323	26	0	0	0
La Ronge	109	232	611	100	208	313	0	0	0	0
Lethbridge	635	218	125	268	42	36	0	0	0	0
Lloydminster	438	95	110	93	10	0	0	0	0	0
Medicine Hat	445	27	214	272	4	2	0	0	0	0
Mont-Joli	77	36	109	92	125	10	0	0	0	0
Montréal/Mirabel International	914	206	74	108	28	159	34	5	265	125
Nanaimo	1,006	454	152	97	71	387	0	0	0	0
Norman Wells	363	197	238	0	4	47	128	2	0	0
North Bay	942	245	367	57	189	41	6	8	0	0
Ottawa/Gatineau	1,717	184	132	94	44	0	0	0	0	0
Peace River	189	64	335	14	14	2	0	0	0	0
Penticton	1,052	80	57	110	14	179	1	0	0	0
Port Hardy	93	193	316	79	135	6	2	0	0	0
Prince Albert	199	106	417	314	443	350	0	0	0	0
Prince Rupert	24	95	24	34	60	138	0	0	0	0
Rankin Inlet	91	1	375	201	204	177	148	4	0	0
Red Deer Regional	1,167	127	193	155	9	3	33	0	0	0
Rouyn-Noranda	573	28	398	18	170	213	53	0	0	0
Saint John	397	215	199	270	129	355	37	0	6	0
Sept-Îles	521	238	531	279	497	19	2	0	0	0
Stouffville	97	329	1,306	642	4	6	0	0	0	0
Smithers	148	41	68	205	60	111	0	0	0	0
St Catharines	2,150	107	21	8	4	5	0	0	0	0
Sudbury	628	617	1,688	97	298	352	10	2	0	0
Terrace	423	148	154	151	138	181	0	0	0	0
Thompson	185	567	1,551	18	168	541	12	56	0	0
Timmins	285	277	1,096	88	443	272	0	2	0	0
Val-d'Or	725	162	293	22	307	236	12	0	2	42
Victoria Harbour	43	2,032	1,153	2	12	0	0	0	0	0
Wabush	58	64	232	107	317	4	2	0	0	0
Whitecourt	727	11	87	22	28	0	90	0	0	0
Williams Lake	305	32	66	414	10	1	13	0	0	0
Total of all flight service stations (51)	25,691	9,294	17,315	7,567	6,527	7,548	1,569	193	273	240

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	5,050	519	2,405	965	942	91	128
Transborder	66	3	7	1	53	0	2
Other international	15	3	2	1	6	2	1
Total	5,131	525	2,414	967	1,001	93	131
Boundary Bay							
Domestic	5,600	6	1,349	2,993	1,233	16	3
Transborder	88	0	9	20	59	0	0
Other international	7	0	0	1	6	0	0
Total	5,695	6	1,358	3,014	1,298	16	3
Calgary International							
Domestic	15,580	13,234	678	515	869	171	113
Transborder	3,383	3,098	37	4	239	0	5
Other international	641	608	13	4	11	0	5
Total	19,604	16,940	728	523	1,119	171	123
Calgary/Springbank							
Domestic	4,226	44	485	2,481	1,195	18	3
Transborder	53	1	4	0	48	0	0
Other international	42	0	12	8	21	0	1
Total	4,321	45	501	2,489	1,264	18	4
Chicoutimi/St-Honoré							
Domestic	3,242	610	76	2,196	303	10	47
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	3,242	610	76	2,196	303	10	47
Edmonton City Centre							
Domestic	5,315	1,496	602	1,839	920	447	11
Transborder	30	15	0	0	15	0	0
Other international	73	3	18	11	39	1	1
Total	5,418	1,514	620	1,850	974	448	12
Edmonton International							
Domestic	9,092	8,226	284	110	391	45	36
Transborder	1,365	1,314	3	1	45	1	1
Other international	145	111	17	6	8	0	3
Total	10,602	9,651	304	117	444	46	40
Edmonton/Villeneuve							
Domestic	2,673	2	286	1,218	266	9	892
Transborder	1	0	0	0	1	0	0
Other international	16	0	1	4	10	0	1
Total	2,690	2	287	1,222	277	9	893
Fort McMurray							
Domestic	4,430	1,558	2,091	248	510	23	0
Transborder	3	0	1	0	2	0	0
Other international	447	13	387	2	43	1	1
Total	4,880	1,571	2,479	250	555	24	1
Fredericton International							
Domestic	5,350	855	4,055	20	161	115	144
Transborder	19	4	0	0	12	2	1
Other international	15	10	0	0	0	1	4
Total	5,384	869	4,055	20	173	118	149
Gander International							
Domestic	1,235	369	521	0	37	163	145
Transborder	221	73	0	5	78	0	65
Other international	260	99	0	5	84	0	72
Total	1,716	541	521	10	199	163	282

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	5,906	5,011	469	17	269	83	57
Transborder	894	783	6	3	79	0	23
Other international	362	307	5	7	26	0	17
Total	7,162	6,101	480	27	374	83	97
Hamilton							
Domestic	2,627	1,321	379	44	506	367	10
Transborder	604	468	11	2	118	4	1
Other international	28	18	2	1	7	0	0
Total	3,259	1,807	392	47	631	371	11
Kelowna							
Domestic	3,949	2,438	347	451	585	90	38
Transborder	264	192	11	1	58	0	2
Other international	3	2	0	0	1	0	0
Total	4,216	2,632	358	452	644	90	40
Kitchener/Waterloo							
Domestic	4,631	296	3,022	104	1,128	21	60
Transborder	172	38	35	3	95	1	0
Other international	2	0	0	1	1	0	0
Total	4,805	334	3,057	108	1,224	22	60
Langley							
Domestic	3,456	82	407	1,872	1,067	27	1
Transborder	4	0	0	0	4	0	0
Other international	10	0	2	1	1	6	0
Total	3,470	82	409	1,873	1,072	33	1
London							
Domestic	5,669	1,158	799	2,967	671	68	6
Transborder	479	384	1	7	84	2	1
Other international	15	1	4	1	8	1	0
Total	6,163	1,543	804	2,975	763	71	7
Moncton/Greater Moncton International							
Domestic	6,496	1,548	4,561	12	183	148	44
Transborder	82	62	0	0	18	2	0
Other international	14	13	0	0	1	0	0
Total	6,592	1,623	4,561	12	202	150	44
Montréal/Pierre Elliott Trudeau International							
Domestic	10,391	8,643	783	43	691	201	30
Transborder	6,094	5,529	139	4	419	1	2
Other international	1,912	1,776	29	5	88	2	12
Total	18,397	15,948	951	52	1,198	204	44
Montréal/St-Hubert							
Domestic	9,793	4,752	801	2,650	1,264	166	160
Transborder	188	39	2	2	141	4	0
Other international	49	5	4	11	29	0	0
Total	10,030	4,796	807	2,663	1,434	170	160
Oshawa							
Domestic	2,385	52	179	1,229	854	64	7
Transborder	55	19	2	5	29	0	0
Other international	9	1	0	0	8	0	0
Total	2,449	72	181	1,234	891	64	7
Ottawa/Macdonald-Cartier International							
Domestic	9,988	5,970	562	2,334	446	516	160
Transborder	2,015	1,786	28	20	125	30	26
Other international	154	140	3	1	2	1	7
Total	12,157	7,896	593	2,355	573	547	193

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	4,775	12	1,452	1,792	1,416	34	69
Transborder	18	0	0	0	18	0	0
Other international	6	0	0	0	4	2	0
Total	4,799	12	1,452	1,792	1,438	36	69
Prince George							
Domestic	3,149	1,235	930	88	548	119	229
Transborder	18	0	0	0	18	0	0
Other international	2	1	0	0	1	0	0
Total	3,169	1,236	930	88	567	119	229
Québec/Jean Lesage International							
Domestic	8,436	3,372	2,462	259	1,597	501	245
Transborder	560	468	11	1	78	1	1
Other international	57	47	3	0	6	0	1
Total	9,053	3,887	2,476	260	1,681	502	247
Regina International							
Domestic	3,363	1,923	661	36	358	182	203
Transborder	455	393	3	1	57	0	1
Other international	1	1	0	0	0	0	0
Total	3,819	2,317	664	37	415	182	204
Saskatoon/John G Diefenbaker International							
Domestic	4,943	2,719	844	417	501	369	93
Transborder	478	441	11	1	25	0	0
Other international	2	2	0	0	0	0	0
Total	5,423	3,162	855	418	526	369	93
Sault Ste. Marie							
Domestic	2,611	962	97	1,257	201	83	11
Transborder	25	3	0	2	19	1	0
Other international	10	0	0	3	1	6	0
Total	2,646	965	97	1,262	221	90	11
St. John's International							
Domestic	3,120	2,014	764	10	110	167	55
Transborder	215	71	0	8	45	0	91
Other international	278	92	16	16	51	1	102
Total	3,613	2,177	780	34	206	168	248
St-Jean							
Domestic	2,128	109	320	254	790	36	619
Transborder	5	0	1	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	2,133	109	321	254	794	36	619
Thunder Bay							
Domestic	5,028	3,134	641	827	184	182	60
Transborder	95	66	4	3	18	0	4
Other international	5	2	2	1	0	0	0
Total	5,128	3,202	647	831	202	182	64
Toronto/Billy Bishop Toronto City							
Domestic	8,785	2,596	1,892	3,599	665	24	9
Transborder	1,267	1,074	28	4	161	0	0
Other international	8	0	5	1	2	0	0
Total	10,060	3,670	1,925	3,604	828	24	9
Toronto/Buttonville Municipal							
Domestic	8,292	388	4,017	264	3,584	39	0
Transborder	132	26	13	1	92	0	0
Other international	10	0	5	0	5	0	0
Total	8,434	414	4,035	265	3,681	39	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	15,612	14,784	360	4	420	19	25
Transborder	15,078	14,145	199	3	728	0	3
Other international	4,471	4,392	38	2	35	0	4
Total	35,161	33,321	597	9	1,183	19	32
Vancouver Harbour							
Domestic	4,328	3,978	320	0	30	0	0
Transborder	4	1	0	0	3	0	0
Other international	2	2	0	0	0	0	0
Total	4,334	3,981	320	0	33	0	0
Vancouver International							
Domestic	18,930	16,326	1,754	42	493	300	15
Transborder	4,542	4,201	37	8	295	0	1
Other international	1,500	1,376	5	2	15	100	2
Total	24,972	21,903	1,796	52	803	400	18
Victoria International							
Domestic	7,031	2,828	2,426	374	1,203	44	156
Transborder	702	463	21	1	214	0	3
Other international	42	5	9	1	25	0	2
Total	7,775	3,296	2,456	376	1,442	44	161
Whitehorse International							
Domestic	2,092	950	588	85	414	48	7
Transborder	119	5	9	2	99	3	1
Other international	7	5	0	0	2	0	0
Total	2,218	960	597	87	515	51	8
Windsor							
Domestic	1,244	469	437	39	281	18	0
Transborder	62	20	15	0	27	0	0
Other international	1	0	0	0	1	0	0
Total	1,307	489	452	39	309	18	0
Winnipeg/James Armstrong Richardson International							
Domestic	9,483	8,060	438	82	305	246	352
Transborder	1,146	1,012	13	10	93	4	14
Other international	20	6	1	0	4	0	9
Total	10,649	9,078	452	92	402	250	375
Winnipeg/St. Andrews							
Domestic	3,885	632	2,048	948	250	0	7
Transborder	2	0	1	0	1	0	0
Other international	1	0	0	0	1	0	0
Total	3,888	632	2,049	948	252	0	7
Yellowknife							
Domestic	3,695	2,834	561	28	135	56	81
Transborder	0	0	0	0	0	0	0
Other international	211	116	74	3	11	1	6
Total	3,906	2,950	635	31	146	57	87
Total of NAV CANADA towers (42)							
Domestic	248,014	127,515	48,153	34,713	27,976	5,326	4,331
Transborder	41,003	36,197	662	123	3,717	56	248
Other international	10,853	9,157	657	99	564	125	251
Total	299,870	172,869	49,472	34,935	32,257	5,507	4,830

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Brandon Municipal							
Domestic	1,340	162	281	35	387	19	456
Transborder	14	0	0	0	13	0	1
Other international	0	0	0	0	0	0	0
Total	1,354	162	281	35	400	19	457
Campbell River							
Domestic	1,361	586	272	158	305	26	14
Transborder	38	1	1	0	36	0	0
Other international	0	0	0	0	0	0	0
Total	1,399	587	273	158	341	26	14
Castlegar							
Domestic	505	278	121	32	62	6	6
Transborder	17	0	0	1	16	0	0
Other international	0	0	0	0	0	0	0
Total	522	278	121	33	78	6	6
Charlottetown							
Domestic	1,389	783	190	140	154	67	55
Transborder	15	4	0	0	11	0	0
Other international	1	1	0	0	0	0	0
Total	1,405	788	190	140	165	67	55
Churchill							
Domestic	800	702	33	4	38	23	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	801	702	33	4	39	23	0
Cranbrook							
Domestic	1,025	558	51	26	285	12	93
Transborder	27	0	0	0	27	0	0
Other international	0	0	0	0	0	0	0
Total	1,052	558	51	26	312	12	93
Deer Lake							
Domestic	1,288	1,025	163	4	21	61	14
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,289	1,025	163	4	22	61	14
Fort Nelson							
Domestic	1,465	340	866	21	210	4	24
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,466	340	866	21	211	4	24
Fort St John							
Domestic	1,872	734	677	25	360	30	46
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,874	734	677	25	362	30	46
Grande Prairie							
Domestic	3,235	1,280	1,089	205	451	40	170
Transborder	4	0	0	0	2	0	2
Other international	0	0	0	0	0	0	0
Total	3,239	1,280	1,089	205	453	40	172
High Level							
Domestic	1,084	380	621	6	59	16	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,084	380	621	6	59	16	2

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
	number						
Îles-de-la-Madeleine							
Domestic	325	218	32	4	6	51	14
Transborder	4	0	0	0	4	0	0
Other international	6	6	0	0	0	0	0
Total	335	224	32	4	10	51	14
Inuvik/Mike Zubko							
Domestic	1,495	1,125	335	0	3	23	9
Transborder	3	0	0	0	1	0	2
Other international	0	0	0	0	0	0	0
Total	1,498	1,125	335	0	4	23	11
Iqaluit							
Domestic	1,464	1,273	93	4	22	57	15
Transborder	53	14	12	2	22	0	3
Other international	90	31	5	7	39	0	8
Total	1,607	1,318	110	13	83	57	26
Kamloops							
Domestic	1,989	944	340	79	490	62	74
Transborder	11	0	0	0	11	0	0
Other international	0	0	0	0	0	0	0
Total	2,000	944	340	79	501	62	74
Kenora							
Domestic	1,094	445	363	88	81	67	50
Transborder	34	2	1	0	31	0	0
Other international	0	0	0	0	0	0	0
Total	1,128	447	364	88	112	67	50
Kingston							
Domestic	1,820	489	380	366	505	26	54
Transborder	42	2	2	0	38	0	0
Other international	0	0	0	0	0	0	0
Total	1,862	491	382	366	543	26	54
Kuujuuaq							
Domestic	982	755	161	2	36	28	0
Transborder	0	0	0	0	0	0	0
Other international	8	0	0	0	8	0	0
Total	990	755	161	2	44	28	0
La Grande Rivière							
Domestic	598	397	150	4	32	14	1
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	598	397	150	4	32	14	1
La Ronge							
Domestic	1,573	961	237	8	58	306	3
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,573	961	237	8	58	306	3
Lethbridge							
Domestic	1,222	340	28	497	318	22	17
Transborder	102	2	2	1	96	0	1
Other international	0	0	0	0	0	0	0
Total	1,324	342	30	498	414	22	18
Lloydminster							
Domestic	746	134	261	26	291	30	4
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	746	134	261	26	291	30	4

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Medicine Hat							
Domestic	962	456	209	16	247	12	22
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	964	456	209	16	249	12	22
Mont-Joli							
Domestic	448	319	46	32	30	19	2
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	449	319	46	32	31	19	2
Montréal/Mirabel International							
Domestic	1,751	658	438	257	375	6	17
Transborder	159	146	0	0	13	0	0
Other international	8	7	0	0	1	0	0
Total	1,918	811	438	257	389	6	17
Nanaimo							
Domestic	2,116	512	596	111	669	131	97
Transborder	51	4	4	1	42	0	0
Other international	0	0	0	0	0	0	0
Total	2,167	516	600	112	711	131	97
Norman Wells							
Domestic	979	635	302	0	23	19	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	979	635	302	0	23	19	0
North Bay							
Domestic	1,823	593	516	101	452	129	32
Transborder	31	4	3	0	24	0	0
Other international	1	0	0	0	1	0	0
Total	1,855	597	519	101	477	129	32
Ottawa/Gatineau							
Domestic	2,170	140	662	398	829	128	13
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	2,171	140	662	398	830	128	13
Peace River							
Domestic	618	372	163	10	48	19	6
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	618	372	163	10	48	19	6
Penticton							
Domestic	1,466	288	730	22	330	15	81
Transborder	27	4	1	1	21	0	0
Other international	0	0	0	0	0	0	0
Total	1,493	292	731	23	351	15	81
Port Hardy							
Domestic	797	563	56	8	69	91	10
Transborder	27	0	0	0	27	0	0
Other international	0	0	0	0	0	0	0
Total	824	563	56	8	96	91	10
Prince Albert							
Domestic	1,826	1,249	131	22	120	301	3
Transborder	3	0	1	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,829	1,249	132	22	122	301	3

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	355	233	42	0	47	33	0
Transborder	19	0	0	0	19	0	0
Other international	1	0	0	0	1	0	0
Total	375	233	42	0	67	33	0
Rankin Inlet							
Domestic	1,200	1,081	90	11	4	10	4
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,201	1,082	90	11	4	10	4
Red Deer Regional							
Domestic	1,677	244	598	141	657	28	9
Transborder	10	2	1	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	1,687	246	599	141	664	28	9
Rouyn-Noranda							
Domestic	1,453	632	206	226	268	40	81
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,453	632	206	226	268	40	81
Saint John							
Domestic	1,505	748	285	40	317	13	102
Transborder	88	13	1	0	74	0	0
Other international	15	7	2	0	4	2	0
Total	1,608	768	288	40	395	15	102
Sept-Îles							
Domestic	2,084	1,250	603	31	114	84	2
Transborder	2	0	0	0	2	0	0
Other international	1	1	0	0	0	0	0
Total	2,087	1,251	603	31	116	84	2
Sioux Lookout							
Domestic	2,374	1,772	471	14	70	45	2
Transborder	10	0	0	0	10	0	0
Other international	0	0	0	0	0	0	0
Total	2,384	1,772	471	14	80	45	2
Smithers							
Domestic	630	418	94	4	101	9	4
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	633	418	94	4	104	9	4
St Catharines							
Domestic	2,250	8	758	53	1,414	11	6
Transborder	45	3	5	0	37	0	0
Other international	0	0	0	0	0	0	0
Total	2,295	11	763	53	1,451	11	6
Sudbury							
Domestic	3,660	1,698	1,026	116	358	445	17
Transborder	11	0	2	1	8	0	0
Other international	21	0	11	1	5	4	0
Total	3,692	1,698	1,039	118	371	449	17
Terrace							
Domestic	1,194	562	422	123	51	34	2
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,195	562	422	123	52	34	2

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Thompson							
Domestic	3,096	2,538	315	2	37	200	4
Transborder	2	2	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	3,098	2,540	315	2	37	200	4
Timmins							
Domestic	2,459	1,521	400	34	211	285	8
Transborder	4	0	0	1	3	0	0
Other international	0	0	0	0	0	0	0
Total	2,463	1,521	400	35	214	285	8
Val-d'Or							
Domestic	1,800	755	590	41	278	133	3
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,801	756	590	41	278	133	3
Victoria Harbour							
Domestic	2,901	2,756	13	0	43	83	6
Transborder	341	0	0	0	341	0	0
Other international	0	0	0	0	0	0	0
Total	3,242	2,756	13	0	384	83	6
Wabush							
Domestic	783	631	48	0	88	16	0
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	784	632	48	0	88	16	0
Whitecourt							
Domestic	965	26	664	140	113	22	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	965	26	664	140	113	22	0
Williams Lake							
Domestic	838	433	155	14	223	13	0
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	841	433	155	14	226	13	0
Total of all flight service stations (51)							
Domestic	74,852	37,000	17,373	3,701	11,760	3,364	1,654
Transborder	1,213	206	36	8	954	0	9
Other international	152	53	18	8	59	6	8
Total	76,217	37,259	17,427	3,717	12,773	3,370	1,671

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	16	11,038	12	15	95	12	659
Boundary Bay	11	12,421	4	16	106	6	693
Calgary International	5	19,759	11	15	69	19	784
Calgary/Springbank	14	11,329	10	11	112	12	797
Chicoutimi/St-Honoré	22	7,926	24	17	144	4	682
Edmonton City Centre	30	6,398	2	11	55	6	343
Edmonton International	18	10,850	12	14	50	5	445
Edmonton/Villeneuve	27	6,746	1	11	116	1	581
Fort McMurray	29	6,401	29	18	49	27	315
Fredericton International	21	9,872	18	10	77	18	662
Gander International	41	2,599	3	17	39	19	209
Halifax/Robert L. Stanfield International	23	7,571	7	10	40	7	303
Hamilton	37	4,252	1	10	70	1	313
Kelowna	28	6,490	19	14	65	19	451
Kitchener/Waterloo	20	9,908	10	17	78	19	705
Langley	24	7,544	24	15	65	13	410
London	9	13,864	26	22	99	26	872
Moncton/Greater Moncton International	17	11,024	24	22	73	21	681
Montréal/Pierre Elliott Trudeau International	6	18,397	20	18	65	28	687
Montréal/St-Hubert	4	22,116	22	10	144	13	1,492
Oshawa	35	4,454	21	10	63	19	292
Ottawa/Macdonald-Cartier International	7	14,643	26	9	71	13	675
Pitt Meadows	15	11,262	8	13	120	8	778
Prince George	34	5,360	10	10	68	5	326
Québec/Jean Lesage International	10	12,914	5	11	73	5	647
Regina International	33	5,407	16	10	46	12	380
Saskatoon/John G. Diefenbaker International	25	7,442	11	16	64	11	417
Sault Ste. Marie	32	5,665	4	17	69	10	377
St. John's International	38	3,781	30	16	26	26	188
St-Jean	39	3,731	1	12	71	1	320
Thunder Bay	26	7,276	7	10	70	7	406
Toronto/Billy Bishop Toronto City	8	14,073	31	16	115	15	754
Toronto/Buttonville Municipal	3	24,326	13	10	187	17	1,525
Toronto/Lester B. Pearson International	1	35,161	25	17	96	28	1,260
Vancouver Harbour	36	4,334	11	16	27	21	198
Vancouver International	2	24,972	4	16	76	21	936
Victoria International	13	11,609	4	16	91	13	605
Whitehorse International	40	3,161	4	14	31	20	198
Windsor	42	1,859	10	18	30	16	148
Winnipeg/James Armstrong Richardson International	12	11,612	27	14	43	19	495
Winnipeg/St. Andrews	19	10,383	19	17	103	27	668
Yellowknife	31	5,749	15	16	68	13	257

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	18	2,136	14	15	52	16	167
Campbell River	24	1,845	8	12	46	8	184
Castlegar	48	600	12	8	21	18	50
Charlottetown	25	1,822	5	18	37	5	123
Churchill	44	823	30	8	11	30	45
Cranbrook	34	1,420	22	10	33	19	103
Deer Lake	35	1,415	29	19	21	30	91
Fort Nelson	28	1,758	7	18	39	7	123
Fort St John	14	2,572	23	16	41	20	170
Grande Prairie	2	4,472	5	15	61	14	278
High Level	38	1,164	15	11	24	13	66
Îles-de-la-Madeleine	51	335	7	14	4	11	16
Inuvik/Mike Zubko	32	1,578	3	17	19	21	80
Iqaluit	30	1,661	12	23	16	12	96
Kamloops	7	3,644	24	12	60	24	305
Kenora	36	1,370	12	15	26	4	91
Kingston	13	3,010	29	9	69	7	177
Kuujuuaq	40	1,068	4	10	11	28	66
La Grande Rivière	47	614	21	22	12	26	48
La Ronge	22	2,027	14	14	31	12	129
Lethbridge	21	2,032	1	10	43	11	154
Lloydminster	39	1,132	7	9	31	11	91
Medicine Hat	33	1,450	5	12	34	12	178
Mont-Joli	50	449	11	7	8	11	29
Montréal/Mirabel International	5	3,812	4	10	65	13	258
Nanaimo	6	3,785	22	9	52	15	298
Norman Wells	27	1,765	6	14	22	21	103
North Bay	3	4,385	3	11	53	30	246
Ottawa/Gatineau	1	5,163	25	18	67	7	408
Peace River	46	648	29	18	12	27	34
Penticton	12	3,167	31	14	60	25	218
Port Hardy	41	1,002	21	11	17	21	70
Prince Albert	23	1,920	17	17	21	17	139
Prince Rupert	49	468	6	15	33	6	72
Rankin Inlet	37	1,201	17	12	11	3	59
Red Deer Regional	8	3,401	19	10	47	14	224
Rouyn-Noranda	29	1,724	24	9	29	24	177
Saint John	20	2,037	2	10	25	13	132
Sept-Îles	17	2,377	12	14	29	13	129
Sioux Lookout	15	2,556	4	17	25	6	156
Smithers	45	661	7	11	10	31	39
St Catharines	9	3,371	23	11	57	16	349
Sudbury	4	4,136	7	9	35	28	209
Terrace	31	1,603	9	15	34	3	119
Thompson	11	3,213	11	19	27	13	152
Timmins	16	2,531	9	12	34	21	143
Val-d'Or	19	2,081	28	19	35	27	154
Victoria Harbour	10	3,242	14	17	20	14	151
Wabush	43	856	17	17	20	17	77
Whitecourt	26	1,809	24	14	43	14	157
Williams Lake	42	915	6	21	22	6	63

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	20	5,131	12	13	39	13	294
Boundary Bay	16	5,695	11	15	44	13	305
Calgary International	3	19,604	13	18	67	19	772
Calgary/Springbank	26	4,321	12	11	35	12	291
Chicoutimi/St-Honoré	34	3,242	5	16	31	14	200
Edmonton City Centre	18	5,418	13	8	32	14	297
Edmonton International	7	10,602	25	7	43	5	423
Edmonton/Villeneuve	36	2,690	1	11	44	8	260
Fort McMurray	22	4,880	19	9	26	19	234
Fredericton International	19	5,384	12	12	24	18	298
Gander International	41	1,716	19	10	15	19	143
Halifax/Robert L. Stanfield International	13	7,162	12	15	24	14	274
Hamilton	33	3,259	2	14	27	4	164
Kelowna	27	4,216	14	16	27	13	199
Kitchener/Waterloo	23	4,805	10	12	34	19	329
Langley	32	3,470	11	17	28	11	208
London	15	6,163	10	11	38	10	358
Moncton/Greater Moncton International	14	6,592	17	19	28	14	365
Montréal/Pierre Elliott Trudeau International	4	18,397	20	18	65	28	687
Montréal/St-Hubert	9	10,030	29	11	76	13	553
Oshawa	38	2,449	29	11	30	29	195
Ottawa/Macdonald-Cartier International	5	12,157	12	10	48	12	506
Pitt Meadows	24	4,799	13	13	45	8	302
Prince George	35	3,169	16	9	27	9	155
Québec/Jean Lesage International	10	9,053	5	11	47	18	420
Regina International	30	3,819	3	13	21	12	188
Saskatoon/John G. Diefenbaker International	17	5,423	12	10	24	13	260
Sault Ste. Marie	37	2,646	3	14	16	17	135
St. John's International	31	3,613	30	16	26	26	184
St-Jean	40	2,133	1	12	35	1	240
Thunder Bay	21	5,128	6	15	25	17	250
Toronto/Billy Bishop Toronto City	8	10,060	31	16	65	17	469
Toronto/Buttonville Municipal	11	8,434	4	9	50	19	444
Toronto/Lester B. Pearson International	1	35,161	25	17	96	28	1,260
Vancouver Harbour	25	4,334	11	16	27	21	198
Vancouver International	2	24,972	4	16	76	21	936
Victoria International	12	7,775	7	11	38	7	354
Whitehorse International	39	2,218	31	14	20	26	145
Windsor	42	1,307	16	12	12	29	73
Winnipeg/James Armstrong Richardson International	6	10,649	19	14	38	20	445
Winnipeg/St. Andrews	29	3,888	14	10	34	14	219
Yellowknife	28	3,906	12	10	21	4	161

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	28	1,354	14	15	34	16	149
Campbell River	27	1,399	8	14	12	15	82
Castlegar	48	522	11	9	7	13	31
Charlottetown	26	1,405	5	18	9	5	69
Churchill	42	801	11	10	7	5	37
Cranbrook	35	1,052	22	10	19	22	78
Deer Lake	30	1,289	18	20	9	28	61
Fort Nelson	24	1,466	12	10	14	6	94
Fort St John	13	1,874	18	9	13	26	92
Grande Prairie	3	3,239	14	8	25	14	202
High Level	34	1,084	25	7	9	12	58
Îles-de-la-Madeleine	51	335	7	14	4	11	16
Inuvik/Mike Zubko	22	1,498	21	21	11	21	80
Iqaluit	20	1,607	3	13	11	12	82
Kamloops	11	2,000	14	16	25	14	95
Kenora	33	1,128	18	12	14	21	75
Kingston	14	1,862	28	9	34	28	106
Kuujuuaq	36	990	23	14	9	28	62
La Grande Rivière	47	598	26	12	7	26	48
La Ronge	21	1,573	28	8	15	17	105
Lethbridge	29	1,324	17	11	22	11	102
Lloydminster	44	746	19	14	10	7	46
Medicine Hat	39	964	12	19	16	12	88
Mont-Joli	49	449	11	7	8	11	29
Montréal/Mirabel International	12	1,918	21	11	18	11	98
Nanaimo	9	2,167	30	10	17	7	121
Norman Wells	37	979	21	11	11	21	55
North Bay	15	1,855	11	15	15	25	90
Ottawa/Gatineau	8	2,171	15	15	21	7	112
Peace River	46	618	5	17	8	27	34
Penticton	23	1,493	15	10	21	15	91
Port Hardy	41	824	5	12	9	5	46
Prince Albert	16	1,829	17	17	21	17	137
Prince Rupert	50	375	26	9	7	28	28
Rankin Inlet	31	1,201	17	12	11	3	59
Red Deer Regional	18	1,687	2	14	26	17	105
Rouyn-Noranda	25	1,453	24	9	19	24	127
Saint John	19	1,608	13	17	16	13	93
Sept-Îles	10	2,087	7	8	16	5	106
Sioux Lookout	6	2,384	18	8	16	21	115
Smithers	45	633	19	13	8	31	39
St Catharines	7	2,295	15	11	41	16	287
Sudbury	1	3,692	28	18	23	28	209
Terrace	32	1,195	13	15	12	13	84
Thompson	4	3,098	16	15	18	13	138
Timmins	5	2,463	21	10	18	21	143
Val-d'Or	17	1,801	20	19	14	27	120
Victoria Harbour	2	3,242	14	17	20	14	151
Wabush	43	784	4	11	10	4	45
Whitecourt	38	965	16	14	13	18	93
Williams Lake	40	841	5	17	7	13	43

Table 10-1
Local movements, peak hour and peak day — NAV CANADA towers

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	8	5,907	12	15	74	12	373
Boundary Bay	5	6,726	4	16	92	4	482
Calgary International	38	155	11	15	32	1	51
Calgary/Springbank	4	7,008	10	11	84	10	522
Chicoutimi/St-Honoré	10	4,684	24	17	126	4	542
Edmonton City Centre	30	980	2	11	30	6	98
Edmonton International	36	248	19	11	16	12	28
Edmonton/Villeneuve	14	4,056	14	13	80	1	329
Fort McMurray	28	1,521	29	18	38	29	160
Fredericton International	11	4,488	18	10	58	18	364
Gander International	33	883	3	17	34	8	120
Halifax/Robert L. Stanfield International	35	409	7	10	24	7	49
Hamilton	29	993	1	10	44	1	156
Kelowna	20	2,274	19	14	48	19	268
Kitchener/Waterloo	9	5,103	25	14	62	25	396
Langley	13	4,074	5	8	50	5	250
London	3	7,701	26	22	84	26	574
Moncton/Greater Moncton International	12	4,432	24	22	54	21	341
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	2	12,086	2	12	110	13	939
Oshawa	24	2,005	21	10	46	19	162
Ottawa/Macdonald-Cartier International	19	2,486	17	9	34	17	186
Pitt Meadows	7	6,463	8	13	80	8	476
Prince George	21	2,191	5	11	62	5	197
Québec/Jean Lesage International	16	3,861	17	14	44	5	259
Regina International	27	1,588	16	11	34	12	192
Saskatoon/John G. Diefenbaker International	23	2,019	11	16	42	11	182
Sault Ste. Marie	18	3,019	4	17	54	10	246
St. John's International	37	168	22	18	14	22	40
St-Jean	26	1,598	7	13	40	7	158
Thunder Bay	22	2,148	7	10	48	7	184
Toronto/Billy Bishop Toronto City	15	4,013	31	16	50	15	295
Toronto/Buttonville Municipal	1	15,892	13	10	141	17	1,105
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	17	3,834	4	16	70	13	265
Whitehorse International	32	943	20	19	20	20	103
Windsor	34	552	10	18	24	16	84
Winnipeg/James Armstrong Richardson International	31	963	14	21	18	27	70
Winnipeg/St. Andrews	6	6,495	13	10	82	27	450
Yellowknife	25	1,843	15	16	58	15	174

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	13	782	30	16	28	30	120
Campbell River	18	446	8	12	38	8	110
Castlegar	39	78	12	8	18	18	28
Charlottetown	21	417	5	18	28	14	56
Churchill	46	22	30	8	10	30	16
Cranbrook	24	368	13	13	16	19	62
Deer Lake	32	126	29	19	18	30	48
Fort Nelson	25	292	7	18	34	7	64
Fort St John	15	698	23	16	32	20	92
Grande Prairie	8	1,233	5	15	48	5	108
High Level	37	80	15	11	20	15	32
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	36	80	3	17	14	3	14
Iqaluit	43	54	12	23	14	12	14
Kamloops	6	1,644	24	12	52	23	230
Kenora	29	242	12	16	22	4	54
Kingston	9	1,148	29	9	64	29	104
Kuujuuaq	38	78	3	19	6	3	12
La Grande Rivière	47	16	21	22	10	21	10
La Ronge	17	454	14	14	26	10	50
Lethbridge	14	708	1	10	36	13	78
Lloydminster	23	386	11	21	26	11	50
Medicine Hat	16	486	5	12	32	12	90
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	3	1,894	4	10	60	13	164
Nanaimo	7	1,618	22	9	50	15	202
Norman Wells	12	786	6	14	16	21	48
North Bay	2	2,530	6	11	52	30	172
Ottawa/Gatineau	1	2,992	25	18	60	7	296
Peace River	44	30	29	18	10	29	10
Penticton	5	1,674	31	14	50	31	164
Port Hardy	30	178	24	10	14	24	32
Prince Albert	35	91	2	15	14	2	18
Prince Rupert	34	93	6	15	30	6	50
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	4	1,714	19	10	40	10	162
Rouyn-Noranda	28	271	15	11	16	24	50
Saint John	20	429	2	10	18	13	39
Sept-Îles	26	290	12	14	20	13	48
Sioux Lookout	31	172	6	20	18	6	56
Smithers	45	28	7	11	8	7	10
St Catharines	10	1,076	10	9	28	25	100
Sudbury	19	444	7	9	22	7	98
Terrace	22	408	9	15	24	3	70
Thompson	33	115	11	19	18	11	25
Timmins	42	68	9	12	30	9	30
Val-d'Or	27	280	11	14	24	2	40
Victoria Harbour	0	0	0	0	0	0	0
Wabush	41	72	28	9	18	17	44
Whitecourt	11	844	21	17	40	14	106
Williams Lake	40	74	6	21	22	6	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	8	5,903	12	15	74	12	373
Boundary Bay	5	6,725	4	16	92	4	481
Calgary International	38	155	11	15	32	1	51
Calgary/Springbank	4	7,006	10	11	84	10	522
Chicoutimi/St-Honoré	10	4,684	24	17	126	4	542
Edmonton City Centre	30	972	2	11	30	6	94
Edmonton International	36	248	19	11	16	12	28
Edmonton/Villeneuve	14	4,055	14	13	80	1	329
Fort McMurray	28	1,519	29	18	38	29	160
Fredericton International	11	4,467	18	10	58	18	364
Gander International	33	689	3	17	34	8	118
Halifax/Robert L. Stanfield International	35	409	7	10	24	7	49
Hamilton	29	993	1	10	44	1	156
Kelowna	20	2,274	19	14	48	19	268
Kitchener/Waterloo	9	5,088	25	14	62	25	396
Langley	13	4,074	5	8	50	5	250
London	3	7,690	26	22	84	26	574
Moncton/Greater Moncton International	12	4,432	24	22	54	21	341
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	2	12,076	2	12	110	13	939
Oshawa	23	2,001	21	10	46	19	162
Ottawa/Macdonald-Cartier International	19	2,461	17	9	34	17	186
Pitt Meadows	7	6,463	8	13	80	8	476
Prince George	21	2,191	5	11	62	5	197
Québec/Jean Lesage International	16	3,861	17	14	44	5	259
Regina International	27	1,532	16	11	34	12	190
Saskatoon/John G. Diefenbaker International	24	1,913	11	16	42	11	180
Sault Ste. Marie	18	3,011	4	17	54	10	246
St. John's International	37	166	22	18	14	22	40
St-Jean	26	1,598	7	13	40	7	158
Thunder Bay	22	2,148	7	10	48	7	184
Toronto/Billy Bishop Toronto City	15	4,013	31	16	50	15	295
Toronto/Buttonville Municipal	1	15,892	13	10	141	17	1,105
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	17	3,644	4	16	70	13	251
Whitehorse International	32	943	20	19	20	20	103
Windsor	34	552	10	18	24	16	84
Winnipeg/James Armstrong Richardson International	31	963	14	21	18	27	70
Winnipeg/St. Andrews	6	6,495	13	10	82	27	450
Yellowknife	25	1,639	15	16	58	15	174

Table 11-2
Local movements - civil, peak hour and peak day — NAV CANADA flight service stations

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	12	730	30	16	28	30	120
Campbell River	18	446	8	12	38	8	110
Castlegar	39	78	12	8	18	18	28
Charlottetown	22	405	5	18	28	14	56
Churchill	46	22	30	8	10	30	16
Cranbrook	24	368	13	13	16	19	62
Deer Lake	32	126	29	19	18	30	48
Fort Nelson	25	292	7	18	34	7	64
Fort St John	15	698	23	16	32	20	92
Grande Prairie	8	1,125	5	15	48	5	108
High Level	37	80	15	11	20	15	32
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	36	80	3	17	14	3	14
Iqaluit	43	54	12	23	14	12	14
Kamloops	6	1,632	24	12	52	23	230
Kenora	31	164	12	16	22	12	40
Kingston	7	1,148	29	9	64	29	104
Kuujuuaq	38	78	3	19	6	3	12
La Grande Rivière	47	16	21	22	10	21	10
La Ronge	17	454	14	14	26	10	50
Lethbridge	14	708	1	10	36	13	78
Lloydminster	23	386	11	21	26	11	50
Medicine Hat	16	486	5	12	32	12	90
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	3	1,890	4	10	60	13	164
Nanaimo	13	708	22	9	30	24	102
Norman Wells	11	786	6	14	16	21	48
North Bay	2	2,530	6	11	52	30	172
Ottawa/Gatineau	1	2,992	25	18	60	7	296
Peace River	44	30	29	18	10	29	10
Penticton	5	1,674	31	14	50	31	164
Port Hardy	30	170	24	10	14	21	28
Prince Albert	35	91	2	15	14	2	18
Prince Rupert	34	93	6	15	30	6	50
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	4	1,714	19	10	40	10	162
Rouyn-Noranda	28	271	15	11	16	24	50
Saint John	20	429	2	10	18	13	39
Sept-Îles	26	290	12	14	20	13	48
Sioux Lookout	29	172	6	20	18	6	56
Smithers	45	28	7	11	8	7	10
St Catharines	9	1,076	10	9	28	25	100
Sudbury	19	444	7	9	22	7	98
Terrace	21	408	9	15	24	3	70
Thompson	33	115	11	19	18	11	25
Timmins	42	68	9	12	30	9	30
Val-d'Or	27	280	11	14	24	2	40
Victoria Harbour	0	0	0	0	0	0	0
Wabush	41	72	28	9	18	17	44
Whitecourt	10	844	21	17	40	14	106
Williams Lake	40	74	6	21	22	6	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	13	4	9	14	2	9	2
Boundary Bay	19	1	4	21	1	4	1
Calgary International	0	0	0	0	0	0	0
Calgary/Springbank	17	2	17	20	2	17	2
Chicoutimi/St-Honoré	0	0	0	0	0	0	0
Edmonton City Centre	11	8	6	10	2	6	4
Edmonton International	0	0	0	0	0	0	0
Edmonton/Villeneuve	18	1	5	15	1	5	1
Fort McMurray	15	2	5	19	1	5	1
Fredericton International	7	21	4	16	6	4	10
Gander International	2	194	6	21	10	6	32
Halifax/Robert L. Stanfield International	0	0	0	0	0	0	0
Hamilton	0	0	0	0	0	0	0
Kelowna	0	0	0	0	0	0	0
Kitchener/Waterloo	8	15	10	10	8	10	9
Langley	0	0	0	0	0	0	0
London	9	11	15	17	3	15	3
Moncton/Greater Moncton International	0	0	0	0	0	0	0
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	10	10	10	20	4	10	4
Oshawa	14	4	6	9	4	6	4
Ottawa/Macdonald-Cartier International	6	25	12	14	8	12	8
Pitt Meadows	0	0	0	0	0	0	0
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	0	0	0	0	0	0	0
Regina International	5	56	9	14	8	14	12
Saskatoon/John G. Diefenbaker International	4	106	14	22	28	15	42
Sault Ste. Marie	12	8	23	17	6	23	8
St. John's International	16	2	19	12	2	19	2
St-Jean	0	0	0	0	0	0	0
Thunder Bay	0	0	0	0	0	0	0
Toronto/Billy Bishop Toronto City	0	0	0	0	0	0	0
Toronto/Buttonville Municipal	0	0	0	0	0	0	0
Toronto/Lester B. Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	0	0	0	0	0	0	0
Vancouver International	0	0	0	0	0	0	0
Victoria International	3	190	4	13	16	19	40
Whitehorse International	0	0	0	0	0	0	0
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	0	0	0	0	0	0	0
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	1	204	7	15	14	26	40

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	4	52	7	10	10	17	16
Campbell River	0	0	0	0	0	0	0
Castlegar	0	0	0	0	0	0	0
Charlottetown	5	12	13	8	8	13	8
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	2	108	14	15	20	15	44
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	6	12	20	13	12	20	12
Kenora	3	78	4	12	20	4	34
Kingston	0	0	0	0	0	0	0
Kuujuuaq	0	0	0	0	0	0	0
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	0	0	0	0	0	0	0
Lethbridge	0	0	0	0	0	0	0
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	0	0	0	0	0	0	0
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	8	4	28	17	4	28	4
Nanaimo	1	910	1	14	30	1	156
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	0	0	0	0	0	0	0
Port Hardy	7	8	15	11	4	15	4
Prince Albert	0	0	0	0	0	0	0
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	0	0	0	0	0	0	0
Rouyn-Noranda	0	0	0	0	0	0	0
Saint John	0	0	0	0	0	0	0
Sept-Îles	0	0	0	0	0	0	0
Sioux Lookout	0	0	0	0	0	0	0
Smithers	0	0	0	0	0	0	0
St Catharines	0	0	0	0	0	0	0
Sudbury	0	0	0	0	0	0	0
Terrace	0	0	0	0	0	0	0
Thompson	0	0	0	0	0	0	0
Timmins	0	0	0	0	0	0	0
Val-d'Or	0	0	0	0	0	0	0
Victoria Harbour	0	0	0	0	0	0	0
Wabush	0	0	0	0	0	0	0
Whitecourt	0	0	0	0	0	0	0
Williams Lake	0	0	0	0	0	0	0

Methodology

Survey universe

Coverage

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

Methodology survey

The Itinerant movement record is designed to capture:

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

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

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

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

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

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

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

The spread of dense volcanic ash from Iceland resulted in the cancellation of numerous flights in April and May 2010.

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.

In June 2009, Air Canada added daily non-stop service between Calgary and Portland, Oregon as well as between Calgary and London, United Kingdom. Year-round daily non-stop service between Montreal and Geneva commenced on June 1, 2009.

Effective May 4, 2009, Air France added another daily flight out of Montreal/Trudeau to Paris/CDG.

On May 15, 2009, Air Canada launched a new daily non-stop service between Calgary and San Diego, CA.

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.