

Catalogue no. 51-007-X

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



December 2009



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Statistics Canada
Transportation Division

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

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January 2010

Catalogue no. 51-007-X

ISSN 1911-6314

Frequency: Monthly

Ottawa

Cette publication est également disponible en français.

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- . not available for any reference period
- .. not available for a specific reference period
- ... not applicable
- 0 true zero or a value rounded to zero
- 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

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**, **Sylvie Savard** and **Jim Charinos** contributed to the preparation of this publication.

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Highlights

- Aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations increased by 7.5% in December compared with December 2008. These airports reported 357,545 movements in December 2009 compared with 332,693 movements in December 2008.
- Itinerant movements (flights from one airport to another) increased 5.1% (+13,250 movements) in December 2009 compared with the same month a year earlier.
- Local movements (flights that remain in the vicinity of the airport) increased by 16.0% (+11,602 movements) in December 2009 over the previous year.

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

	NAV CANADA towers		NAV CANADA Flight Service Stations		Total	
	number	Change from December 2009/December 2008 percent	number	Change from December 2009/December 2008 percent	number	Change from December 2009/December 2008 percent
Grand total	286,174	7.5	71,371	7.4	357,545	7.5
Itinerant movements						
Air carriers	181,581	2.8	44,195	0.8	225,776	2.4
Other commercial movements	17,175	26.4	2,155	4.5	19,330	23.5
Private movements	16,815	30.2	4,982	38.5	21,797	32.0
Government civil movements	3,281	-7.5	1,255	-8.3	4,536	-7.7
Government military movements	1,477	-29.2	592	-9.9	2,069	-24.6
Itinerant total	220,329	5.6	53,179	3.2	273,508	5.1
Local movements						
Civil local movements	65,112	14.7	17,994	21.1	83,106	16.1
Military local movements	733	0.8	198	98.0	931	12.6
Local total	65,845	14.6	18,192	21.6	84,037	16.0

Analysis

Aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations increased by 7.5% in December compared with December 2008. These airports reported 357,545 movements in December 2009 compared with 332,693 movements in December 2008.

Itinerant movements (flights from one airport to another) increased 5.1% (+13,250 movements) in December 2009 compared with the same month a year earlier.

Local movements (flights that remain in the vicinity of the airport) increased by 16.0% (+11,602 movements) in December 2009 over the previous year.

Airports with NAV CANADA air traffic control towers

The 41 Canadian airports with NAV CANADA air traffic control towers reported 286,174 aircraft take-offs and landings in December 2009 up 7.5% (+19,962 movements) compared with December 2008. Year-over-year increases in aircraft movements were reported by 27 of these airports in December 2009. The variations ranged from an increase of 113.5% at Pitt Meadows, British Columbia to a decline of 27.0% at Gander International, Newfoundland and Labrador.

Itinerant movements (flights from one airport to another) increased 5.6% (+11,588 movements) in December 2009 compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 165.3% increase (+1,941 movements) at Pitt Meadows, British Columbia to a decline of 20.6% (-298 movements) at Gander International, Newfoundland and Labrador.

Local movements (flights that remain in the vicinity of the airport) rose by 8,374 movements (+14.6%) in December 2009 compared with December 2008. Victoria International, British Columbia recorded the largest gain in local movements, increasing by 2,515 movements (+72.1%) while Moncton/Greater Moncton International, New Brunswick reported the largest decline with 1,888 fewer movements (-40.2%) compared with the previous year.

Airports with NAV CANADA flight service stations

The 52 Canadian airports with NAV CANADA flight service stations reported 71,371 aircraft take-offs and landings in December 2009 up 7.4% (+4,890 movements) compared with December 2008. Year-over-year increases in aircraft movements were reported by 32 of these airports in December 2009. The variations ranged from a 95.7% increase (+982 movements) at Nanaimo, British Columbia to a decline of 54.3% (-1,008 movements) at Whitecourt, Alberta.

Itinerant movements (flights from one airport to another) increased by 3.2% (+1,662 movements) in December 2009 compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 70.3% increase (+634 movements) at Nanaimo, British Columbia to a decline of 48.8% (-312 movements) at Whitecourt, Alberta.

Local movements (flights that remain in the vicinity of the airport) recorded in December 2009 increased by 21.6% (+3,228 movements) compared with the same month a year earlier. Fredericton International, New Brunswick recorded the largest gain in local movements, increasing by 1,009 movements (+43.5%) compared with December 2008. Whitecourt, Alberta recorded the largest decline in local movements, dropping 696 movements (-57.1%) compared with December 2008.

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

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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	13	7,577	19	3,539	6	4,038
Boundary Bay	9	9,457	13	4,219	2	5,238
Calgary International	3	18,030	3	17,978	37	52
Calgary/Springbank	19	6,691	30	2,545	5	4,146
Chicoutimi/St-Honoré	37	1,457	41	616	21	841
Edmonton City Centre	26	3,791	20	3,409	28	382
Edmonton International	8	10,033	5	9,951	36	82
Edmonton/Villeneuve	35	2,058	39	723	16	1,335
Fort McMurray	30	3,279	23	2,954	30	325
Gander International	39	1,319	36	1,146	35	173
Halifax/Robert L. Stanfield International	18	6,714	8	6,390	31	324
Hamilton	28	3,466	25	2,889	25	577
Kelowna	24	4,675	21	3,404	18	1,271
Kitchener/Waterloo	21	5,919	29	2,547	9	3,372
Langley	25	4,264	32	2,206	13	2,058
London	10	8,728	15	4,194	4	4,534
Moncton/Greater Moncton International	14	7,487	11	4,677	11	2,810
Montréal/Pierre Elliott Trudeau International	4	16,298	4	16,298	0	0
Montréal/St-Hubert	11	7,901	12	4,406	8	3,495
Oshawa	33	2,641	34	1,352	17	1,289
Ottawa/Macdonald-Cartier International	6	11,233	7	9,548	15	1,685
Pitt Meadows	15	7,097	22	3,115	7	3,982
Prince George	34	2,375	33	1,686	23	689
Québec/Jean Lesage International	12	7,640	10	5,759	14	1,881
Regina International	27	3,602	27	2,834	22	768
Saskatoon/John G. Diefenbaker International	23	5,043	16	4,169	20	874
Sault Ste. Marie	36	1,593	35	1,183	27	410
St. John's International	31	3,139	24	2,932	34	207
St-Jean	41	897	40	635	32	262
Thunder Bay	22	5,156	17	4,014	19	1,142
Toronto/Buttonville Municipal	16	7,076	18	3,795	10	3,281
Toronto/City Centre	20	6,326	14	4,200	12	2,126
Toronto/Lester B. Pearson International	1	32,420	1	32,420	0	0
Vancouver Harbour	32	2,667	28	2,667	0	0
Vancouver International	2	22,879	2	22,879	0	0
Victoria International	5	12,110	9	6,109	1	6,001
Whitehorse International	40	1,027	38	791	33	236
Windsor	38	1,440	37	1,102	29	338
Winnipeg/James Armstrong Richardson International	7	10,403	6	9,910	26	493
Winnipeg/St. Andrews	17	6,838	31	2,300	3	4,538
Yellowknife	29	3,428	26	2,838	24	590
Total of NAV CANADA towers (41)	.	286,174	.	220,329	.	65,845

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	28	919	45	467	14	452
Campbell River	15	1,708	19	1,024	9	684
Castlegar	46	517	49	391	20	126
Charlottetown	30	868	26	822	32	46
Churchill	35	769	31	739	36	30
Cranbrook	38	744	39	650	24	94
Deer Lake	25	1,095	17	1,095	0	0
Fort Nelson	31	856	28	804	30	52
Fort St John	17	1,528	13	1,300	17	228
Fredericton International	1	6,842	1	3,512	1	3,330
Grande Prairie	10	2,090	7	1,698	15	392
High Level	45	556	41	540	40	16
Îles-de-la-Madeleine	51	313	51	301	42	12
Inuvik/Mike Zubko	33	834	25	828	45	6
Iqaluit	26	1,081	18	1,043	33	38
Kamloops	6	2,418	10	1,510	6	908
Kenora	42	683	40	609	28	74
Kingston	3	2,798	12	1,322	4	1,476
Kuujuaq	34	829	29	803	38	26
La Grande Rivière	41	705	36	701	46	4
La Ronge	24	1,124	20	1,022	22	102
Lethbridge	23	1,223	23	885	16	338
Lloydminster	44	588	46	422	19	166
Medicine Hat	37	768	38	652	21	116
Mont-Joli	50	411	48	393	39	18
Montréal/Mirabel International	9	2,260	11	1,366	7	894
Nanaimo	11	2,008	9	1,536	13	472
Norman Wells	18	1,472	35	710	8	762
North Bay	2	3,377	16	1,215	2	2,162
Ottawa/Gatineau	5	2,484	21	974	3	1,510
Peace River	47	496	43	488	44	8
Penticton	14	1,895	27	807	5	1,088
Port Hardy	49	441	47	405	35	36
Prince Albert	22	1,285	14	1,285	0	0
Prince Rupert	52	266	52	236	37	30
Rankin Inlet	39	721	32	721	0	0
Red Deer Regional	19	1,378	30	796	11	582
Rouyn-Noranda	29	893	24	857	34	36
Saint John	20	1,338	15	1,246	25	92
Sept-Îles	16	1,643	8	1,549	23	94
Sioux Lookout	7	2,349	3	2,339	43	10
Smithers	48	481	44	481	0	0
St Catharines	21	1,333	37	653	10	680
Sudbury	8	2,320	4	2,124	18	196
Terrace	36	768	34	718	31	50
Thompson	4	2,785	2	2,771	41	14
Timmins	12	1,965	6	1,909	29	56
Val-d'Or	27	1,002	22	926	27	76
Victoria Harbour	13	1,964	5	1,964	0	0
Wabush	40	720	33	720	0	0
Whitecourt	32	850	50	328	12	522
Williams Lake	43	610	42	522	26	88
Total of all flight service stations (52)	.	71,371	.	53,179	.	18,192

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	7,558	2,594	926	4,038	19	19	0
Boundary Bay	9,457	3,378	841	5,238	0	0	0
Calgary International	17,986	16,996	938	52	44	44	0
Calgary/Springbank	6,691	1,796	749	4,146	0	0	0
Chicoutimi/St-Honoré	1,440	554	53	833	17	9	8
Edmonton City Centre	3,771	2,679	710	382	20	20	0
Edmonton International	9,997	9,640	275	82	36	36	0
Edmonton/Villeneuve	2,058	596	127	1,335	0	0	0
Fort McMurray	3,279	2,703	251	325	0	0	0
Gander International	1,044	834	133	77	275	179	96
Halifax/Robert L Stanfield International	6,562	5,980	308	274	152	102	50
Hamilton	3,454	2,408	469	577	12	12	0
Kelowna	4,658	3,033	354	1,271	17	17	0
Kitchener/Waterloo	5,910	1,923	619	3,368	9	5	4
Langley	4,263	1,320	885	2,058	1	1	0
London	8,719	3,591	598	4,530	9	5	4
Moncton/Greater Moncton International	7,481	4,448	225	2,808	6	4	2
Montréal/Pierre Elliott Trudeau International	16,292	15,253	1,039	0	6	6	0
Montréal/St-Hubert	7,861	3,533	833	3,495	40	40	0
Oshawa	2,627	966	374	1,287	14	12	2
Ottawa/Macdonald-Cartier International	11,140	8,847	610	1,683	93	91	2
Pitt Meadows	7,095	2,151	962	3,982	2	2	0
Prince George	2,365	1,529	155	681	10	2	8
Québec/Jean Lesage International	7,567	4,925	765	1,877	73	69	4
Regina International	3,492	2,451	297	744	110	86	24
Saskatoon/John G Diefenbaker International	4,987	3,579	542	866	56	48	8
Sault Ste. Marie	1,587	1,114	63	410	6	6	0
St. John's International	2,988	2,656	127	205	151	149	2
St-Jean	889	438	189	262	8	8	0
Thunder Bay	5,110	3,817	159	1,134	46	38	8
Toronto/Buttonville Municipal	7,075	2,490	1,305	3,280	1	0	1
Toronto/City Centre	6,306	3,889	291	2,126	20	20	0
Toronto/Lester B Pearson International	32,413	31,388	1,025	0	7	7	0
Vancouver Harbour	2,664	2,636	28	0	3	3	0
Vancouver International	22,866	21,874	992	0	13	13	0
Victoria International	11,691	5,026	989	5,676	419	94	325
Whitehorse International	1,027	699	92	236	0	0	0
Windsor	1,434	888	208	338	6	6	0
Winnipeg/James Armstrong Richardson International	9,962	9,260	369	333	441	281	160
Winnipeg/St. Andrews	6,831	2,167	129	4,535	7	4	3
Yellowknife	3,367	2,707	92	568	61	39	22
Total of NAV CANADA towers (41)	283,964	198,756	20,096	65,112	2,210	1,477	733

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	769	246	121	402	150	100	50
Campbell River	1,704	824	196	684	4	4	0
Castlegar	505	350	31	124	12	10	2
Charlottetown	864	712	106	46	4	4	0
Churchill	769	725	14	30	0	0	0
Cranbrook	730	570	66	94	14	14	0
Deer Lake	1,093	1,076	17	0	2	2	0
Fort Nelson	849	742	55	52	7	7	0
Fort St John	1,526	1,177	121	228	2	2	0
Fredericton International	6,739	3,366	87	3,286	103	59	44
Grande Prairie	2,088	1,525	171	392	2	2	0
High Level	555	506	33	16	1	1	0
Îles-de-la-Madeleine	311	253	46	12	2	2	0
Inuvik/Mike Zubko	832	797	29	6	2	2	0
Iqaluit	1,061	950	73	38	20	20	0
Kamloops	2,406	1,200	308	898	12	2	10
Kenora	649	569	30	50	34	10	24
Kingston	2,792	1,037	279	1,476	6	6	0
Kuujuuaq	829	787	16	26	0	0	0
La Grande Rivière	705	675	26	4	0	0	0
La Ronge	1,123	955	66	102	1	1	0
Lethbridge	1,205	595	274	336	18	16	2
Lloydminster	580	291	123	166	8	8	0
Medicine Hat	749	540	93	116	19	19	0
Mont-Joli	411	372	21	18	0	0	0
Montréal/Mirabel International	2,224	1,042	308	874	36	16	20
Nanaimo	2,008	954	582	472	0	0	0
Norman Wells	1,472	690	20	762	0	0	0
North Bay	3,333	995	178	2,160	44	42	2
Ottawa/Gatineau	2,478	536	432	1,510	6	6	0
Peace River	496	465	23	8	0	0	0
Penticton	1,858	625	145	1,088	37	37	0
Port Hardy	390	338	52	0	51	15	36
Prince Albert	1,280	1,149	131	0	5	5	0
Prince Rupert	266	213	23	30	0	0	0
Rankin Inlet	719	709	10	0	2	2	0
Red Deer Regional	1,378	477	319	582	0	0	0
Rouyn-Noranda	893	723	134	36	0	0	0
Saint John	1,303	1,036	183	84	35	27	8
Sept-Îles	1,635	1,428	113	94	8	8	0
Sioux Lookout	2,347	2,304	33	10	2	2	0
Smithers	475	456	19	0	6	6	0
St Catharines	1,227	377	170	680	106	106	0
Sudbury	2,312	1,919	197	196	8	8	0
Terrace	768	695	23	50	0	0	0
Thompson	2,784	2,632	138	14	1	1	0
Timmins	1,961	1,808	97	56	4	4	0
Val-d'Or	1,002	789	137	76	0	0	0
Victoria Harbour	1,962	1,722	240	0	2	2	0
Wabush	716	688	28	0	4	4	0
Whitecourt	842	287	33	522	8	8	0
Williams Lake	608	453	67	88	2	2	0
Total of all flight service stations (52)	70,581	46,350	6,237	17,994	790	592	198

Table 3-1
Itinerant movements by type of operator — NAV CANADA towers

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
	number						
Abbotsford	3,539	515	1,687	392	781	145	19
Boundary Bay	4,219	19	987	2,372	813	28	0
Calgary International	17,978	15,803	816	377	828	110	44
Calgary/Springbank	2,545	19	281	1,496	739	10	0
Chicoutimi/St-Honoré	616	7	271	276	51	2	9
Edmonton City Centre	3,409	1,311	380	988	468	242	20
Edmonton International	9,951	9,028	420	192	261	14	36
Edmonton/Villeneuve	723	0	120	476	127	0	0
Fort McMurray	2,954	2,042	468	193	231	20	0
Gander International	1,146	457	352	25	118	15	179
Halifax/Robert L Stanfield International	6,390	5,595	374	11	268	40	102
Hamilton	2,889	2,025	317	66	380	89	12
Kelowna	3,404	2,465	416	152	295	59	17
Kitchener/Waterloo	2,547	293	1,557	73	611	8	5
Langley	2,206	79	254	987	871	14	1
London	4,194	1,221	713	1,657	543	55	5
Moncton/Greater Moncton International	4,677	1,579	2,867	2	100	125	4
Montréal/Pierre Elliott Trudeau International	16,298	14,407	675	171	897	142	6
Montréal/St-Hubert	4,406	2,024	559	950	769	64	40
Oshawa	1,352	29	95	842	317	57	12
Ottawa/Macdonald-Cartier International	9,548	7,004	449	1,394	253	357	91
Pitt Meadows	3,115	28	1,354	769	945	17	2
Prince George	1,686	1,238	285	6	117	38	2
Québec/Jean Lesage International	5,759	3,591	1,159	175	499	266	69
Regina International	2,834	2,107	303	41	162	135	86
Saskatoon/John G Diefenbaker International	4,169	2,973	443	163	213	329	48
Sault Ste. Marie	1,183	811	120	183	47	16	6
St. John's International	2,932	1,905	708	43	96	31	149
St-Jean	635	153	95	190	177	12	8
Thunder Bay	4,014	2,662	878	277	83	76	38
Toronto/Buttonville Municipal	3,795	374	2,009	107	1,274	31	0
Toronto/City Centre	4,200	2,384	814	691	282	9	20
Toronto/Lester B Pearson International	32,420	30,765	426	197	1,019	6	7
Vancouver Harbour	2,667	2,363	241	32	27	1	3
Vancouver International	22,879	20,355	1,337	182	634	358	13
Victoria International	6,109	2,949	1,665	412	932	57	94
Whitehorse International	791	611	67	21	76	16	0
Windsor	1,102	490	357	41	204	4	6
Winnipeg/James Armstrong Richardson International	9,910	8,686	528	46	151	218	281
Winnipeg/St. Andrews	2,300	510	1,154	503	129	0	4
Yellowknife	2,838	2,555	148	4	27	65	39
Total of NAV CANADA towers (41)	220,329	153,432	28,149	17,175	16,815	3,281	1,477

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	467	102	121	23	97	24	100
Campbell River	1,024	541	219	64	182	14	4
Castlegar	391	216	23	111	29	2	10
Charlottetown	822	607	79	26	83	23	4
Churchill	739	713	11	1	8	6	0
Cranbrook	650	535	27	8	62	4	14
Deer Lake	1,095	895	179	2	11	6	2
Fort Nelson	804	335	192	215	43	12	7
Fort St John	1,300	769	345	63	105	16	2
Fredericton International	3,512	736	2,629	1	45	42	59
Grande Prairie	1,698	1,138	285	102	137	34	2
High Level	540	157	349	0	15	18	1
Îles-de-la-Madeleine	301	229	24	0	0	46	2
Inuvik/Mike Zubko	828	744	19	34	6	23	2
Iqaluit	1,043	866	45	39	41	32	20
Kamloops	1,510	1,034	157	9	264	44	2
Kenora	609	330	239	0	17	13	10
Kingston	1,322	430	245	362	265	14	6
Kuujuaq	803	729	50	8	4	12	0
La Grande Rivière	701	573	100	2	16	10	0
La Ronge	1,022	912	38	5	10	56	1
Lethbridge	885	390	28	177	260	14	16
Lloydminster	422	139	146	6	111	12	8
Medicine Hat	652	452	79	9	91	2	19
Mont-Joli	393	352	12	8	7	14	0
Montréal/Mirabel International	1,366	728	262	52	308	0	16
Nanaimo	1,536	377	520	57	507	75	0
Norman Wells	710	534	156	0	10	10	0
North Bay	1,215	525	391	79	166	12	42
Ottawa/Gatineau	974	104	275	157	369	63	6
Peace River	488	335	123	7	15	8	0
Penticton	807	295	324	6	119	26	37
Port Hardy	405	308	16	14	20	32	15
Prince Albert	1,285	1,071	60	18	59	72	5
Prince Rupert	236	189	10	14	3	20	0
Rankin Inlet	721	685	2	22	6	4	2
Red Deer Regional	796	176	232	69	293	26	0
Rouyn-Noranda	857	585	132	6	106	28	0
Saint John	1,246	711	314	11	181	2	27
Sept-Îles	1,549	1,142	272	14	73	40	8
Sioux Lookout	2,339	1,667	634	3	25	8	2
Smithers	481	424	28	4	11	8	6
St Catharines	653	0	319	58	160	10	106
Sudbury	2,124	1,323	495	101	147	50	8
Terrace	718	533	153	9	11	12	0
Thompson	2,771	2,408	224	0	19	119	1
Timmins	1,909	1,366	409	33	70	27	4
Val-d'Or	926	713	36	40	111	26	0
Victoria Harbour	1,964	1,705	7	10	164	76	2
Wabush	720	629	45	14	24	4	4
Whitecourt	328	4	203	80	29	4	8
Williams Lake	522	408	43	2	67	0	2
Total of all flight service stations (52)	53,179	32,869	11,326	2,155	4,982	1,255	592

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

	Itinerant movements					Runway 88
	Total of IFR and VFR flights ¹	Instrument flight rules	Percentage instrument flight rules	Visual flight rules	Percentage visual flight rules	
	number		percent	number	percent	
Abbotsford	3,539	969	27.3	2,570	72.6	923
Boundary Bay	4,219	341	8.0	3,878	91.9	413
Calgary International	17,978	17,432	96.9	546	3.0	383
Calgary/Springbank	2,545	212	8.3	2,333	91.6	1,036
Chicoutimi/St-Honoré	616	114	18.5	502	81.4	6
Edmonton City Centre	3,409	2,066	60.6	1,343	39.3	614
Edmonton International	9,951	9,721	97.6	230	2.3	286
Edmonton/Villeneuve	723	28	3.8	695	96.1	45
Fort McMurray	2,954	1,937	65.5	1,017	34.4	68
Gander International	1,146	978	85.3	168	14.6	60
Halifax/Robert L Stanfield International	6,390	6,035	94.4	355	5.5	186
Hamilton	2,889	2,339	80.9	550	19.0	462
Kelowna	3,404	2,535	74.4	869	25.5	356
Kitchener/Waterloo	2,547	613	24.0	1,934	75.9	237
Langley	2,206	20	0.9	2,186	99.0	472
London	4,194	1,510	36.0	2,684	63.9	318
Moncton/Greater Moncton International	4,677	2,282	48.7	2,395	51.2	48
Montréal/Pierre Elliott Trudeau International	16,298	15,972	97.9	326	2.0	673
Montréal/St-Hubert	4,406	1,369	31.0	3,037	68.9	405
Oshawa	1,352	39	2.8	1,313	97.1	276
Ottawa/Macdonald-Cartier International	9,548	7,685	80.4	1,863	19.5	350
Pitt Meadows	3,115	34	1.0	3,081	98.9	1,085
Prince George	1,686	1,323	78.4	363	21.5	114
Québec/Jean Lesage International	5,759	4,211	73.1	1,548	26.8	526
Regina International	2,834	2,459	86.7	375	13.2	26
Saskatoon/John G Diefenbaker International	4,169	3,555	85.2	614	14.7	60
Sault Ste. Marie	1,183	978	82.6	205	17.3	24
St. John's International	2,932	2,795	95.3	137	4.6	7
St-Jean	635	248	39.0	387	60.9	162
Thunder Bay	4,014	3,422	85.2	592	14.7	114
Toronto/Buttonville Municipal	3,795	505	13.3	3,290	86.6	370
Toronto/City Centre	4,200	2,756	65.6	1,444	34.3	987
Toronto/Lester B Pearson International	32,420	32,386	99.8	34	0.1	192
Vancouver Harbour	2,667	66	2.4	2,601	97.5	1,032
Vancouver International	22,879	19,252	84.1	3,627	15.8	6,239
Victoria International	6,109	3,321	54.3	2,788	45.6	2,593
Whitehorse International	791	509	64.3	282	35.6	46
Windsor	1,102	634	57.5	468	42.4	36
Winnipeg/James Armstrong Richardson International	9,910	9,162	92.4	748	7.5	119
Winnipeg/St. Andrews	2,300	139	6.0	2,161	93.9	34
Yellowknife	2,838	2,026	71.3	812	28.6	39
Total of NAV CANADA towers (41)	220,329	163,978	74.4	56,351	25.6	21,422

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	467	178	38.1	289	61.8	4
Campbell River	1,024	524	51.1	500	48.8	152
Castlegar	391	223	57.0	168	42.9	51
Charlottetown	822	695	84.5	127	15.4	14
Churchill	739	709	95.9	30	4.0	42
Cranbrook	650	581	89.3	69	10.6	56
Deer Lake	1,095	1,076	98.2	19	1.7	16
Fort Nelson	804	409	50.8	395	49.1	39
Fort St John	1,300	829	63.7	471	36.2	36
Fredericton International	3,512	1,045	29.7	2,467	70.2	84
Grande Prairie	1,698	1,333	78.5	365	21.4	70
High Level	540	228	42.2	312	57.7	97
Îles-de-la-Madeleine	301	288	95.6	13	4.3	4
Inuvik/Mike Zubko	828	308	37.1	520	62.8	4
Iqaluit	1,043	949	90.9	94	9.0	0
Kamloops	1,510	1,126	74.5	384	25.4	144
Kenora	609	421	69.1	188	30.8	78
Kingston	1,322	511	38.6	811	61.3	71
Kuujuaq	803	403	50.1	400	49.8	1
La Grande Rivière	701	555	79.1	146	20.8	116
La Ronge	1,022	595	58.2	427	41.7	128
Lethbridge	885	475	53.6	410	46.3	31
Lloydminster	422	217	51.4	205	48.5	12
Medicine Hat	652	378	57.9	274	42.0	78
Mont-Joli	393	368	93.6	25	6.3	6
Montréal/Mirabel International	1,366	921	67.4	445	32.5	446
Nanaimo	1,536	543	35.3	993	64.6	435
Norman Wells	710	148	20.8	562	79.1	313
North Bay	1,215	670	55.1	545	44.8	201
Ottawa/Gatineau	974	160	16.4	814	83.5	36
Peace River	488	301	61.6	187	38.3	10
Penticton	807	242	29.9	565	70.0	43
Port Hardy	405	185	45.6	220	54.3	85
Prince Albert	1,285	1,162	90.4	123	9.5	19
Prince Rupert	236	199	84.3	37	15.6	9
Rankin Inlet	721	676	93.7	45	6.2	0
Red Deer Regional	796	294	36.9	502	63.0	174
Rouyn-Noranda	857	786	91.7	71	8.2	16
Saint John	1,246	916	73.5	330	26.4	20
Sept-Îles	1,549	1,267	81.7	282	18.2	173
Sioux Lookout	2,339	1,919	82.0	420	17.9	97
Smithers	481	414	86.0	67	13.9	136
St Catharines	653	48	7.3	605	92.6	156
Sudbury	2,124	1,755	82.6	369	17.3	21
Terrace	718	529	73.6	189	26.3	58
Thompson	2,771	1,792	64.6	979	35.3	13
Timmins	1,909	1,762	92.2	147	7.7	59
Val-d'Or	926	765	82.6	161	17.3	106
Victoria Harbour	1,964	80	4.0	1,884	95.9	381
Wabush	720	699	97.0	21	2.9	60
Whitecourt	328	38	11.5	290	88.4	59
Williams Lake	522	433	82.9	89	17.0	123
Total of all flight service stations (52)	53,179	33,128	62.3	20,051	37.7	4,583

1. Total excludes runway 88 flights.

Table 5-1
Itinerant movements by type of power plant — NAV CANADA towers

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Abbotsford	3,539	474	142	2,348	574	1
Boundary Bay	4,219	2	54	3,981	182	0
Calgary International	17,978	12,641	4,614	356	367	0
Calgary/Springbank	2,545	34	44	2,132	335	0
Chicoutimi/St-Honoré	616	10	64	420	122	0
Edmonton City Centre	3,409	412	1,532	1,056	409	0
Edmonton International	9,951	6,515	3,155	275	6	0
Edmonton/Villeneuve	723	12	25	577	109	0
Fort McMurray	2,954	1,031	1,152	420	351	0
Gander International	1,146	428	473	142	103	0
Halifax/Robert L Stanfield International	6,390	3,609	2,169	324	288	0
Hamilton	2,889	1,501	832	470	86	0
Kelowna	3,404	1,625	923	551	305	0
Kitchener/Waterloo	2,547	198	304	1,880	162	3
Langley	2,206	0	72	1,642	492	0
London	4,194	448	1,051	2,572	123	0
Moncton/Greater Moncton International	4,677	904	913	2,821	39	0
Montréal/Pierre Elliott Trudeau International	16,298	11,228	4,623	327	120	0
Montréal/St-Hubert	4,406	211	771	3,173	251	0
Oshawa	1,352	4	19	1,210	117	2
Ottawa/Macdonald-Cartier International	9,548	5,274	2,397	1,611	265	1
Pitt Meadows	3,115	0	41	2,826	247	1
Prince George	1,686	546	806	103	231	0
Québec/Jean Lesage International	5,759	1,309	2,670	1,386	394	0
Regina International	2,834	1,685	601	532	16	0
Saskatoon/John G Diefenbaker International	4,169	1,949	1,505	691	24	0
Sault Ste. Marie	1,183	20	953	197	13	0
St. John's International	2,932	1,149	1,472	22	289	0
St-Jean	635	5	48	542	32	8
Thunder Bay	4,014	778	2,661	373	202	0
Toronto/Buttonville Municipal	3,795	68	302	3,042	383	0
Toronto/City Centre	4,200	1	2,726	1,214	259	0
Toronto/Lester B Pearson International	32,420	27,204	5,152	58	6	0
Vancouver Harbour	2,667	0	1,198	896	573	0
Vancouver International	22,879	11,763	7,886	2,436	794	0
Victoria International	6,109	1,133	1,996	2,670	308	2
Whitehorse International	791	294	302	152	43	0
Windsor	1,102	110	552	426	14	0
Winnipeg/James Armstrong Richardson International	9,910	4,896	4,287	700	27	0
Winnipeg/St. Andrews	2,300	1	462	1,766	71	0
Yellowknife	2,838	808	1,655	256	119	0
Total of NAV CANADA towers (41)	220,329	100,280	62,604	48,576	8,851	18

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	467	20	205	215	27	0
Campbell River	1,024	17	559	251	197	0
Castlegar	391	2	237	103	49	0
Charlottetown	822	252	312	239	19	0
Churchill	739	9	714	7	9	0
Cranbrook	650	30	505	104	11	0
Deer Lake	1,095	314	759	5	17	0
Fort Nelson	804	55	362	51	336	0
Fort St John	1,300	257	607	144	292	0
Fredericton International	3,512	259	604	2,562	87	0
Grande Prairie	1,698	210	1,035	285	168	0
High Level	540	8	303	165	64	0
Îles-de-la-Madeleine	301	12	233	56	0	0
Inuvik/Mike Zubko	828	95	538	142	53	0
Iqaluit	1,043	293	716	16	18	0
Kamloops	1,510	177	933	277	123	0
Kenora	609	3	402	113	91	0
Kingston	1,322	12	495	770	45	0
Kuujuaq	803	119	645	13	26	0
La Grande Rivière	701	12	665	16	8	0
La Ronge	1,022	2	809	159	52	0
Lethbridge	885	44	434	377	30	0
Lloydminster	422	4	185	191	42	0
Medicine Hat	652	20	455	150	27	0
Mont-Joli	393	8	329	45	11	0
Montréal/Mirabel International	1,366	541	347	264	214	0
Nanaimo	1,536	42	442	1,010	41	1
Norman Wells	710	122	328	133	127	0
North Bay	1,215	24	670	114	407	0
Ottawa/Gatineau	974	1	121	700	151	1
Peace River	488	2	299	115	72	0
Penticton	807	3	304	200	300	0
Port Hardy	405	6	309	56	34	0
Prince Albert	1,285	4	1,153	121	7	0
Prince Rupert	236	12	200	0	24	0
Rankin Inlet	721	117	567	37	0	0
Red Deer Regional	796	49	276	457	14	0
Rouyn-Noranda	857	86	725	44	2	0
Saint John	1,246	281	483	440	42	0
Sept-Îles	1,549	48	1,080	253	168	0
Sioux Lookout	2,339	2	1,989	343	5	0
Smithers	481	20	432	10	19	0
St Catharines	653	6	11	510	126	0
Sudbury	2,124	34	1,709	182	199	0
Terrace	718	29	530	4	155	0
Thompson	2,771	20	2,346	283	122	0
Timmins	1,909	10	1,781	89	29	0
Val-d'Or	926	95	666	138	27	0
Victoria Harbour	1,964	0	1,186	166	612	0
Wabush	720	16	657	27	20	0
Whitecourt	328	9	14	60	245	0
Williams Lake	522	14	414	61	33	0
Total of all flight service stations (52)	53,179	3,827	32,080	12,273	4,997	2

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

	Gross take-off weight in kilograms									
	2 000 and under	2 001 to 4 000	4 001 to 5 670	5 671 to 9 000	9 001 to 18 000	18 001 to 35 000	35 001 to 70 000	70 001 to 90 000	90 001 to 136 000	136 001 and over
	number									
Abbotsford	2,345	517	165	37	12	9	446	3	0	5
Boundary Bay	3,725	428	64	0	2	0	0	0	0	0
Calgary International	417	402	1,261	1,791	1,032	3,692	7,557	775	280	771
Calgary/Springbank	2,208	260	46	22	9	0	0	0	0	0
Chicoutimi/St-Honoré	454	87	65	2	0	8	0	0	0	0
Edmonton City Centre	1,183	339	1,277	475	110	25	0	0	0	0
Edmonton International	153	204	503	912	389	2,307	4,782	370	169	162
Edmonton/Villeneuve	605	65	53	0	0	0	0	0	0	0
Fort McMurray	613	401	331	396	81	652	480	0	0	0
Gander International	91	10	58	394	209	207	28	74	13	62
Halifax/Robert L. Stanfield International	124	226	297	837	753	1,772	1,718	270	245	148
Hamilton	399	496	222	297	175	34	462	47	613	144
Kelowna	709	127	251	524	26	706	1,042	2	11	6
Kitchener/Waterloo	1,942	122	256	58	50	47	69	3	0	0
Langley	2,086	114	3	0	3	0	0	0	0	0
London	2,630	178	215	47	507	456	149	12	0	0
Moncton/Greater Moncton International	2,696	165	373	370	90	384	344	1	252	2
Montréal/Pierre Elliott Trudeau International	273	146	510	647	2,556	4,979	4,657	1,374	4	1,152
Montréal/St-Hubert	2,828	555	689	190	125	8	11	0	0	0
Oshawa	1,272	40	32	4	0	0	0	4	0	0
Ottawa/Macdonald-Cartier International	1,565	186	918	163	532	2,692	2,782	424	46	240
Pitt Meadows	2,919	141	47	4	4	0	0	0	0	0
Prince George	263	74	168	588	0	399	194	0	0	0
Québec/Jean Lesage International	1,303	463	747	239	991	1,265	675	2	2	72
Regina International	376	172	327	303	50	710	784	0	105	7
Saskatoon/John G. Diefenbaker International	535	224	676	483	179	1,174	812	2	76	8
Sault Ste. Marie	195	87	506	52	202	137	4	0	0	0
St. John's International	18	19	245	572	615	403	783	140	103	34
St-Jean	451	122	53	8	0	0	0	0	0	1
Thunder Bay	370	170	2,141	335	16	461	502	19	0	0
Toronto/Buttonville Municipal	3,222	274	198	63	32	4	2	0	0	0
Toronto/City Centre	1,191	105	501	37	3	2,357	0	6	0	0
Toronto/Lester B. Pearson International	26	153	278	1,850	3,138	7,084	12,660	3,623	539	3,069
Vancouver Harbour	50	1,830	724	2	61	0	0	0	0	0
Vancouver International	747	2,986	747	2,657	1,371	5,106	5,638	1,047	455	2,125
Victoria International	2,223	866	134	361	658	1,172	607	54	34	0
Whitehorse International	159	79	87	43	4	288	131	0	0	0
Windsor	400	160	55	70	312	81	18	0	6	0
Winnipeg/James Armstrong Richardson International	374	406	3,032	394	800	1,577	2,289	231	701	106
Winnipeg/St. Andrews	1,556	612	111	16	1	0	0	4	0	0
Yellowknife	145	258	745	112	179	697	612	90	0	0
Total of NAV CANADA towers (41)	44,841	14,269	19,111	15,355	15,277	40,893	50,238	8,577	3,654	8,114

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	213	21	188	19	10	2	0	14	0	0
Campbell River	374	44	43	464	96	3	0	0	0	0
Castlegar	118	34	34	38	29	138	0	0	0	0
Charlottetown	106	146	49	152	102	211	56	0	0	0
Churchill	12	4	132	100	196	291	4	0	0	0
Cranbrook	69	46	51	272	85	127	0	0	0	0
Deer Lake	14	5	32	325	410	228	81	0	0	0
Fort Nelson	321	55	121	169	114	6	18	0	0	0
Fort St John	414	29	233	274	116	234	0	0	0	0
Fredericton International	2,499	106	258	2	309	300	22	10	2	4
Grande Prairie	284	173	413	206	186	254	182	0	0	0
High Level	156	143	113	122	4	2	0	0	0	0
Îles-de-la-Madeleine	0	56	68	2	155	18	2	0	0	0
Inuvik/Mike Zubko	63	131	491	2	0	46	93	2	0	0
Iqaluit	6	10	224	47	175	321	194	18	0	48
Kamloops	318	68	72	305	137	484	126	0	0	0
Kenora	99	28	470	1	6	1	0	4	0	0
Kingston	756	68	80	273	117	28	0	0	0	0
Kuujuuaq	28	11	491	2	128	36	91	0	0	16
La Grande Rivière	12	12	173	4	139	353	8	0	0	0
La Ronge	81	133	410	108	176	114	0	0	0	0
Lethbridge	361	60	108	279	69	8	0	0	0	0
Lloydminster	190	47	87	93	5	0	0	0	0	0
Medicine Hat	170	17	198	267	0	0	0	0	0	0
Mont-Joli	9	47	89	99	125	24	0	0	0	0
Montréal/Mirabel International	358	224	33	99	25	174	28	3	294	128
Nanaimo	696	364	97	25	50	304	0	0	0	0
Norman Wells	133	138	273	8	0	36	122	0	0	0
North Bay	490	138	265	54	160	80	10	18	0	0
Ottawa/Gatineau	772	76	74	45	0	0	1	6	0	0
Peace River	85	108	258	34	3	0	0	0	0	0
Penticton	478	22	31	115	0	161	0	0	0	0
Port Hardy	14	80	103	81	112	13	2	0	0	0
Prince Albert	78	50	180	342	244	391	0	0	0	0
Prince Rupert	0	28	22	17	54	115	0	0	0	0
Rankin Inlet	22	15	234	96	134	103	117	0	0	0
Red Deer Regional	384	116	177	119	0	0	0	0	0	0
Rouyn-Noranda	42	4	342	4	209	192	64	0	0	0
Saint John	304	152	104	235	153	282	16	0	0	0
Sept-Îles	205	215	394	222	370	125	18	0	0	0
Sioux Lookout	128	259	1,320	630	2	0	0	0	0	0
Smithers	27	8	58	215	50	123	0	0	0	0
St Catharines	585	45	15	2	6	0	0	0	0	0
Sudbury	192	206	1,247	94	120	259	6	0	0	0
Terrace	136	27	92	154	94	215	0	0	0	0
Thompson	136	544	1,326	79	192	494	0	0	0	0
Timmins	77	166	1,021	80	429	136	0	0	0	0
Val-d'Or	126	41	276	12	284	125	20	0	0	42
Victoria Harbour	12	1,122	765	4	61	0	0	0	0	0
Wabush	16	27	201	169	303	4	0	0	0	0
Whitecourt	278	22	20	2	6	0	0	0	0	0
Williams Lake	84	12	14	394	14	0	4	0	0	0
Total of all flight service stations (52)	12,531	5,703	13,570	6,956	5,964	6,561	1,285	75	296	238

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Abbotsford							
Domestic	3,496	501	1,681	392	762	141	19
Transborder	28	3	5	0	19	1	0
Other international	15	11	1	0	0	3	0
Total	3,539	515	1,687	392	781	145	19
Boundary Bay							
Domestic	4,192	19	985	2,370	790	28	0
Transborder	26	0	2	2	22	0	0
Other international	1	0	0	0	1	0	0
Total	4,219	19	987	2,372	813	28	0
Calgary International							
Domestic	14,115	12,315	691	350	611	107	41
Transborder	3,222	2,880	116	12	209	3	2
Other international	641	608	9	15	8	0	1
Total	17,978	15,803	816	377	828	110	44
Calgary/Springbank							
Domestic	2,504	18	280	1,490	706	10	0
Transborder	30	1	1	0	28	0	0
Other international	11	0	0	6	5	0	0
Total	2,545	19	281	1,496	739	10	0
Chicoutimi/St-Honoré							
Domestic	615	7	270	276	51	2	9
Transborder	1	0	1	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	616	7	271	276	51	2	9
Edmonton City Centre							
Domestic	3,339	1,292	364	980	444	239	20
Transborder	46	18	9	0	16	3	0
Other international	24	1	7	8	8	0	0
Total	3,409	1,311	380	988	468	242	20
Edmonton International							
Domestic	8,197	7,391	393	164	200	14	35
Transborder	1,480	1,409	19	2	49	0	1
Other international	274	228	8	26	12	0	0
Total	9,951	9,028	420	192	261	14	36
Edmonton/Villeneuve							
Domestic	712	0	120	470	122	0	0
Transborder	1	0	0	0	1	0	0
Other international	10	0	0	6	4	0	0
Total	723	0	120	476	127	0	0
Fort McMurray							
Domestic	2,828	1,987	412	187	223	19	0
Transborder	6	4	1	0	1	0	0
Other international	120	51	55	6	7	1	0
Total	2,954	2,042	468	193	231	20	0
Gander International							
Domestic	779	339	347	1	7	13	72
Transborder	163	46	1	8	52	1	55
Other international	204	72	4	16	59	1	52
Total	1,146	457	352	25	118	15	179
Halifax/Robert L Stanfield International							
Domestic	5,465	4,772	373	8	195	38	79
Transborder	725	656	1	1	54	2	11
Other international	200	167	0	2	19	0	12
Total	6,390	5,595	374	11	268	40	102

Table 7-1 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Hamilton							
Domestic	2,197	1,468	298	58	273	89	11
Transborder	651	524	19	6	101	0	1
Other international	41	33	0	2	6	0	0
Total	2,889	2,025	317	66	380	89	12
Kelowna							
Domestic	3,134	2,244	412	151	252	59	16
Transborder	232	185	4	0	42	0	1
Other international	38	36	0	1	1	0	0
Total	3,404	2,465	416	152	295	59	17
Kitchener/Waterloo							
Domestic	2,380	250	1,523	69	525	8	5
Transborder	155	40	34	1	80	0	0
Other international	12	3	0	3	6	0	0
Total	2,547	293	1,557	73	611	8	5
Langley							
Domestic	2,203	79	254	987	868	14	1
Transborder	2	0	0	0	2	0	0
Other international	1	0	0	0	1	0	0
Total	2,206	79	254	987	871	14	1
London							
Domestic	3,789	898	704	1,647	482	53	5
Transborder	387	313	6	5	61	2	0
Other international	18	10	3	5	0	0	0
Total	4,194	1,221	713	1,657	543	55	5
Moncton/Greater Moncton International							
Domestic	4,566	1,480	2,867	2	88	125	4
Transborder	110	99	0	0	11	0	0
Other international	1	0	0	0	1	0	0
Total	4,677	1,579	2,867	2	100	125	4
Montréal/Pierre Elliott Trudeau International							
Domestic	8,685	7,412	540	84	504	141	4
Transborder	5,674	5,121	125	58	368	1	1
Other international	1,939	1,874	10	29	25	0	1
Total	16,298	14,407	675	171	897	142	6
Montréal/St-Hubert							
Domestic	4,259	1,991	558	948	661	64	37
Transborder	131	31	1	0	99	0	0
Other international	16	2	0	2	9	0	3
Total	4,406	2,024	559	950	769	64	40
Oshawa							
Domestic	1,332	27	95	838	303	57	12
Transborder	14	2	0	4	8	0	0
Other international	6	0	0	0	6	0	0
Total	1,352	29	95	842	317	57	12
Ottawa/Macdonald-Cartier International							
Domestic	7,427	5,011	423	1,386	183	353	71
Transborder	1,794	1,690	22	3	65	4	10
Other international	327	303	4	5	5	0	10
Total	9,548	7,004	449	1,394	253	357	91
Pitt Meadows							
Domestic	3,111	28	1,354	769	941	17	2
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	3,115	28	1,354	769	945	17	2

Table 7-1 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Prince George							
Domestic	1,675	1,231	284	6	114	38	2
Transborder	4	1	0	0	3	0	0
Other international	7	6	1	0	0	0	0
Total	1,686	1,238	285	6	117	38	2
Québec/Jean Lesage International							
Domestic	5,154	3,038	1,153	165	468	263	67
Transborder	411	368	4	6	30	3	0
Other international	194	185	2	4	1	0	2
Total	5,759	3,591	1,159	175	499	266	69
Regina International							
Domestic	2,441	1,765	297	30	128	135	86
Transborder	310	268	6	2	34	0	0
Other international	83	74	0	9	0	0	0
Total	2,834	2,107	303	41	162	135	86
Saskatoon/John G Diefenbaker International							
Domestic	3,739	2,581	434	163	186	329	46
Transborder	369	333	9	0	27	0	0
Other international	61	59	0	0	0	0	2
Total	4,169	2,973	443	163	213	329	48
Sault Ste. Marie							
Domestic	1,173	809	120	183	39	16	6
Transborder	9	1	0	0	8	0	0
Other international	1	1	0	0	0	0	0
Total	1,183	811	120	183	47	16	6
St. John's International							
Domestic	2,650	1,798	704	35	50	31	32
Transborder	144	65	1	2	21	0	55
Other international	138	42	3	6	25	0	62
Total	2,932	1,905	708	43	96	31	149
St-Jean							
Domestic	631	153	95	189	175	12	7
Transborder	4	0	0	1	2	0	1
Other international	0	0	0	0	0	0	0
Total	635	153	95	190	177	12	8
Thunder Bay							
Domestic	3,913	2,581	872	276	70	76	38
Transborder	83	66	3	1	13	0	0
Other international	18	15	3	0	0	0	0
Total	4,014	2,662	878	277	83	76	38
Toronto/Buttonville Municipal							
Domestic	3,637	343	2,001	102	1,164	27	0
Transborder	152	31	7	5	105	4	0
Other international	6	0	1	0	5	0	0
Total	3,795	374	2,009	107	1,274	31	0
Toronto/City Centre							
Domestic	3,369	1,646	799	690	205	9	20
Transborder	824	738	12	0	74	0	0
Other international	7	0	3	1	3	0	0
Total	4,200	2,384	814	691	282	9	20
Toronto/Lester B Pearson International							
Domestic	13,850	13,187	243	72	336	6	6
Transborder	13,965	13,113	153	46	652	0	1
Other international	4,605	4,465	30	79	31	0	0
Total	32,420	30,765	426	197	1,019	6	7

Table 7-1 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Vancouver Harbour							
Domestic	2,662	2,361	239	32	26	1	3
Transborder	1	0	0	0	1	0	0
Other international	4	2	2	0	0	0	0
Total	2,667	2,363	241	32	27	1	3
Vancouver International							
Domestic	17,204	15,034	1,318	146	346	349	11
Transborder	4,301	3,986	14	28	270	1	2
Other international	1,374	1,335	5	8	18	8	0
Total	22,879	20,355	1,337	182	634	358	13
Victoria International							
Domestic	5,495	2,456	1,648	405	839	55	92
Transborder	573	473	15	0	84	0	1
Other international	41	20	2	7	9	2	1
Total	6,109	2,949	1,665	412	932	57	94
Whitehorse International							
Domestic	781	608	67	20	70	16	0
Transborder	9	3	0	1	5	0	0
Other international	1	0	0	0	1	0	0
Total	791	611	67	21	76	16	0
Windsor							
Domestic	989	424	339	40	178	4	4
Transborder	102	59	17	1	23	0	2
Other international	11	7	1	0	3	0	0
Total	1,102	490	357	41	204	4	6
Winnipeg/James Armstrong Richardson International							
Domestic	8,718	7,578	514	37	99	218	272
Transborder	1,058	979	11	9	51	0	8
Other international	134	129	3	0	1	0	1
Total	9,910	8,686	528	46	151	218	281
Winnipeg/St. Andrews							
Domestic	2,293	507	1,151	503	128	0	4
Transborder	2	1	1	0	0	0	0
Other international	5	2	2	0	1	0	0
Total	2,300	510	1,154	503	129	0	4
Yellowknife							
Domestic	2,742	2,495	117	4	24	65	37
Transborder	3	1	0	0	2	0	0
Other international	93	59	31	0	1	0	2
Total	2,838	2,555	148	4	27	65	39
Total of NAV CANADA towers (41)							
Domestic	172,441	110,124	27,339	16,725	13,836	3,241	1,176
Transborder	37,206	33,508	620	204	2,697	25	152
Other international	10,682	9,800	190	246	282	15	149
Total	220,329	153,432	28,149	17,175	16,815	3,281	1,477

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	457	102	120	22	89	24	100
Transborder	10	0	1	1	8	0	0
Other international	0	0	0	0	0	0	0
Total	467	102	121	23	97	24	100
Campbell River							
Domestic	1,012	541	218	64	172	13	4
Transborder	12	0	1	0	10	1	0
Other international	0	0	0	0	0	0	0
Total	1,024	541	219	64	182	14	4
Castlegar							
Domestic	383	216	23	111	21	2	10
Transborder	8	0	0	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	391	216	23	111	29	2	10
Charlottetown							
Domestic	816	605	79	26	79	23	4
Transborder	6	2	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	822	607	79	26	83	23	4
Churchill							
Domestic	739	713	11	1	8	6	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	739	713	11	1	8	6	0
Cranbrook							
Domestic	633	521	27	8	59	4	14
Transborder	17	14	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	650	535	27	8	62	4	14
Deer Lake							
Domestic	1,095	895	179	2	11	6	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,095	895	179	2	11	6	2
Fort Nelson							
Domestic	804	335	192	215	43	12	7
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	804	335	192	215	43	12	7
Fort St John							
Domestic	1,300	769	345	63	105	16	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,300	769	345	63	105	16	2
Fredericton International							
Domestic	3,498	733	2,626	1	41	40	57
Transborder	10	3	0	0	3	2	2
Other international	4	0	3	0	1	0	0
Total	3,512	736	2,629	1	45	42	59
Grande Prairie							
Domestic	1,696	1,137	285	102	136	34	2
Transborder	1	0	0	0	1	0	0
Other international	1	1	0	0	0	0	0
Total	1,698	1,138	285	102	137	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							
High Level							
Domestic	540	157	349	0	15	18	1
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	540	157	349	0	15	18	1
Îles-de-la-Madeleine							
Domestic	301	229	24	0	0	46	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	301	229	24	0	0	46	2
Inuvik/Mike Zubko							
Domestic	827	744	19	34	5	23	2
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	828	744	19	34	6	23	2
Iqaluit							
Domestic	987	854	41	27	18	32	15
Transborder	16	4	4	4	3	0	1
Other international	40	8	0	8	20	0	4
Total	1,043	866	45	39	41	32	20
Kamloops							
Domestic	1,494	1,033	156	9	250	44	2
Transborder	15	0	1	0	14	0	0
Other international	1	1	0	0	0	0	0
Total	1,510	1,034	157	9	264	44	2
Kenora							
Domestic	608	329	239	0	17	13	10
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	609	330	239	0	17	13	10
Kingston							
Domestic	1,307	430	245	360	252	14	6
Transborder	15	0	0	2	13	0	0
Other international	0	0	0	0	0	0	0
Total	1,322	430	245	362	265	14	6
Kuujuuaq							
Domestic	803	729	50	8	4	12	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	803	729	50	8	4	12	0
La Grande Rivière							
Domestic	701	573	100	2	16	10	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	701	573	100	2	16	10	0
La Ronge							
Domestic	1,022	912	38	5	10	56	1
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,022	912	38	5	10	56	1
Lethbridge							
Domestic	834	389	27	177	212	13	16
Transborder	51	1	1	0	48	1	0
Other international	0	0	0	0	0	0	0
Total	885	390	28	177	260	14	16

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						
Lloydminster							
Domestic	421	139	146	6	110	12	8
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	422	139	146	6	111	12	8
Medicine Hat							
Domestic	647	451	79	9	87	2	19
Transborder	4	0	0	0	4	0	0
Other international	1	1	0	0	0	0	0
Total	652	452	79	9	91	2	19
Mont-Joli							
Domestic	393	352	12	8	7	14	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	393	352	12	8	7	14	0
Montréal/Mirabel International							
Domestic	1,191	565	262	51	297	0	16
Transborder	168	160	0	0	8	0	0
Other international	7	3	0	1	3	0	0
Total	1,366	728	262	52	308	0	16
Nanaimo							
Domestic	1,518	373	518	57	495	75	0
Transborder	18	4	2	0	12	0	0
Other international	0	0	0	0	0	0	0
Total	1,536	377	520	57	507	75	0
Norman Wells							
Domestic	710	534	156	0	10	10	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	710	534	156	0	10	10	0
North Bay							
Domestic	1,200	521	386	79	160	12	42
Transborder	14	3	5	0	6	0	0
Other international	1	1	0	0	0	0	0
Total	1,215	525	391	79	166	12	42
Ottawa/Gatineau							
Domestic	970	104	275	157	365	63	6
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	974	104	275	157	369	63	6
Peace River							
Domestic	488	335	123	7	15	8	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	488	335	123	7	15	8	0
Penticton							
Domestic	806	295	324	6	118	26	37
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	807	295	324	6	119	26	37
Port Hardy							
Domestic	403	308	16	14	18	32	15
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	405	308	16	14	20	32	15

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 Albert								
Domestic	1,285	1,071	60	18	59	72	5	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,285	1,071	60	18	59	72	5	
Prince Rupert								
Domestic	235	188	10	14	3	20	0	
Transborder	0	0	0	0	0	0	0	
Other international	1	1	0	0	0	0	0	
Total	236	189	10	14	3	20	0	
Rankin Inlet								
Domestic	721	685	2	22	6	4	2	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	721	685	2	22	6	4	2	
Red Deer Regional								
Domestic	789	175	230	69	289	26	0	
Transborder	7	1	2	0	4	0	0	
Other international	0	0	0	0	0	0	0	
Total	796	176	232	69	293	26	0	
Rouyn-Noranda								
Domestic	857	585	132	6	106	28	0	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	857	585	132	6	106	28	0	
Saint John								
Domestic	1,173	703	314	11	116	2	27	
Transborder	70	5	0	0	65	0	0	
Other international	3	3	0	0	0	0	0	
Total	1,246	711	314	11	181	2	27	
Sept-Îles								
Domestic	1,541	1,142	272	14	65	40	8	
Transborder	7	0	0	0	7	0	0	
Other international	1	0	0	0	1	0	0	
Total	1,549	1,142	272	14	73	40	8	
Sioux Lookout								
Domestic	2,337	1,667	633	3	24	8	2	
Transborder	2	0	1	0	1	0	0	
Other international	0	0	0	0	0	0	0	
Total	2,339	1,667	634	3	25	8	2	
Smithers								
Domestic	481	424	28	4	11	8	6	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	481	424	28	4	11	8	6	
St Catharines								
Domestic	631	0	318	56	141	10	106	
Transborder	22	0	1	2	19	0	0	
Other international	0	0	0	0	0	0	0	
Total	653	0	319	58	160	10	106	
Sudbury								
Domestic	2,099	1,320	488	101	141	41	8	
Transborder	11	3	2	0	6	0	0	
Other international	14	0	5	0	0	9	0	
Total	2,124	1,323	495	101	147	50	8	

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Terrace							
Domestic	717	533	153	9	10	12	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	718	533	153	9	11	12	0
Thompson							
Domestic	2,771	2,408	224	0	19	119	1
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	2,771	2,408	224	0	19	119	1
Timmins							
Domestic	1,907	1,366	408	33	69	27	4
Transborder	2	0	1	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,909	1,366	409	33	70	27	4
Val-d'Or							
Domestic	926	713	36	40	111	26	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	926	713	36	40	111	26	0
Victoria Harbour							
Domestic	1,808	1,705	7	10	8	76	2
Transborder	156	0	0	0	156	0	0
Other international	0	0	0	0	0	0	0
Total	1,964	1,705	7	10	164	76	2
Wabush							
Domestic	720	629	45	14	24	4	4
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	720	629	45	14	24	4	4
Whitecourt							
Domestic	328	4	203	80	29	4	8
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	328	4	203	80	29	4	8
Williams Lake							
Domestic	522	408	43	2	67	0	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	522	408	43	2	67	0	2
Total of all flight service stations (52)							
Domestic	52,452	32,649	11,296	2,137	4,543	1,242	585
Transborder	653	201	22	9	414	4	3
Other international	74	19	8	9	25	9	4
Total	53,179	32,869	11,326	2,155	4,982	1,255	592

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	13	7,577	3	15	125	3	722
Boundary Bay	9	9,457	5	15	95	1	725
Calgary International	3	18,030	3	17	55	17	752
Calgary/Springbank	19	6,691	2	11	103	2	676
Chicoutimi/St-Honoré	37	1,457	1	9	81	1	295
Edmonton City Centre	26	3,791	18	11	49	17	316
Edmonton International	8	10,033	23	15	38	17	424
Edmonton/Villeneuve	35	2,058	2	13	72	2	260
Fort McMurray	30	3,279	3	9	37	3	231
Gander International	39	1,319	14	10	31	14	119
Halifax/Robert L Stanfield International	18	6,714	7	16	58	7	324
Hamilton	28	3,466	5	14	44	17	219
Kelowna	24	4,675	11	13	53	1	281
Kitchener/Waterloo	21	5,919	12	12	81	5	535
Langley	25	4,264	3	13	72	3	361
London	10	8,728	2	9	91	5	697
Moncton/Greater Moncton International	14	7,487	7	16	59	8	699
Montréal/Pierre Elliott Trudeau International	4	16,298	17	18	57	4	648
Montréal/St-Hubert	11	7,901	5	12	117	5	862
Oshawa	33	2,641	5	15	52	17	322
Ottawa/Macdonald-Cartier International	6	11,233	8	11	73	8	595
Pitt Meadows	15	7,097	3	15	114	2	844
Prince George	34	2,375	13	9	46	13	226
Québec/Jean Lesage International	12	7,640	2	15	75	14	480
Regina International	27	3,602	4	16	39	16	219
Saskatoon/John G Diefenbaker International	23	5,043	16	16	47	16	308
Sault Ste. Marie	36	1,593	1	19	45	1	152
St. John's International	31	3,139	8	15	29	8	180
St-Jean	41	897	5	11	33	6	109
Thunder Bay	22	5,156	2	18	73	7	462
Toronto/Buttonville Municipal	16	7,076	2	15	111	2	691
Toronto/City Centre	20	6,326	5	18	69	17	437
Toronto/Lester B Pearson International	1	32,420	16	18	95	18	1,221
Vancouver Harbour	32	2,667	10	8	26	10	145
Vancouver International	2	22,879	8	8	74	18	863
Victoria International	5	12,110	19	13	105	8	759
Whitehorse International	40	1,027	11	15	23	15	61
Windsor	38	1,440	2	13	35	12	119
Winnipeg/James Armstrong Richardson International	7	10,403	7	17	54	17	474
Winnipeg/St. Andrews	17	6,838	21	10	83	21	662
Yellowknife	29	3,428	9	11	69	10	238

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	28	919	17	18	25	16	110
Campbell River	15	1,708	7	14	38	22	176
Castlegar	46	517	2	13	30	2	60
Charlottetown	30	868	31	12	13	13	60
Churchill	35	769	10	12	15	10	58
Cranbrook	38	744	19	11	32	19	75
Deer Lake	25	1,095	9	19	8	14	49
Fort Nelson	31	856	1	17	28	1	110
Fort St John	17	1,528	10	11	27	10	137
Fredericton International	1	6,842	4	16	65	19	617
Grande Prairie	10	2,090	10	17	45	10	193
High Level	45	556	17	14	11	7	38
Îles-de-la-Madeleine	51	313	7	14	9	7	28
Inuvik/Mike Zubko	33	834	4	9	9	4	55
Iqaluit	26	1,081	8	15	20	8	66
Kamloops	6	2,418	19	11	77	19	225
Kenora	42	683	11	14	28	23	52
Kingston	3	2,798	17	14	52	18	216
Kuujuuaq	34	829	25	11	10	2	40
La Grande Rivière	41	705	8	13	9	3	41
La Ronge	24	1,124	30	8	17	7	67
Lethbridge	23	1,223	19	11	25	26	79
Lloydminster	44	588	11	9	19	2	67
Medicine Hat	37	768	19	13	27	19	81
Mont-Joli	50	411	8	13	8	8	40
Montréal/Mirabel International	9	2,260	20	15	49	5	175
Nanaimo	11	2,008	2	13	42	2	168
Norman Wells	18	1,472	12	5	25	12	100
North Bay	2	3,377	16	14	63	11	285
Ottawa/Gatineau	5	2,484	8	10	68	8	240
Peace River	47	496	10	10	6	2	36
Penticton	14	1,895	10	10	70	2	198
Port Hardy	49	441	14	11	18	21	38
Prince Albert	22	1,285	8	13	12	8	75
Prince Rupert	52	266	8	15	13	8	31
Rankin Inlet	39	721	3	12	9	3	47
Red Deer Regional	19	1,378	16	11	40	17	186
Rouyn-Noranda	29	893	1	16	13	1	68
Saint John	20	1,338	8	23	28	8	122
Sept-Îles	16	1,643	9	11	23	1	100
Sioux Lookout	7	2,349	11	13	16	14	127
Smithers	48	481	7	13	5	7	28
St Catharines	21	1,333	23	11	52	23	143
Sudbury	8	2,320	15	10	37	15	134
Terrace	36	768	9	10	25	9	67
Thompson	4	2,785	14	9	17	18	140
Timmins	12	1,965	30	14	23	8	104
Val-d'Or	27	1,002	5	14	22	5	65
Victoria Harbour	13	1,964	4	15	16	8	115
Wabush	40	720	2	11	10	18	41
Whitecourt	32	850	8	15	38	3	121
Williams Lake	43	610	27	14	28	27	71

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	19	3,539	4	14	33	2	263
Boundary Bay	13	4,219	2	15	52	1	334
Calgary International	3	17,978	3	17	55	17	744
Calgary/Springbank	30	2,545	1	13	33	2	251
Chicoutimi/St-Honoré	41	616	1	10	18	8	103
Edmonton City Centre	20	3,409	17	15	28	17	262
Edmonton International	5	9,951	15	8	37	17	410
Edmonton/Villeneuve	39	723	3	13	23	2	86
Fort McMurray	23	2,954	9	15	25	3	185
Gander International	36	1,146	10	8	9	14	67
Halifax/Robert L Stanfield International	8	6,390	8	15	31	17	248
Hamilton	25	2,889	5	14	22	17	175
Kelowna	21	3,404	11	13	23	11	154
Kitchener/Waterloo	29	2,547	12	12	41	5	259
Langley	32	2,206	5	15	36	5	170
London	15	4,194	2	12	38	2	287
Moncton/Greater Moncton International	11	4,677	7	11	32	8	401
Montréal/Pierre Elliott Trudeau International	4	16,298	17	18	57	4	648
Montréal/St-Hubert	12	4,406	20	14	58	5	342
Oshawa	34	1,352	5	15	24	5	139
Ottawa/Macdonald-Cartier International	7	9,548	4	11	40	4	449
Pitt Meadows	22	3,115	1	15	45	2	272
Prince George	33	1,686	14	9	14	15	103
Québec/Jean Lesage International	10	5,759	2	15	33	16	304
Regina International	27	2,834	10	16	18	16	139
Saskatoon/John G Diefenbaker International	16	4,169	16	16	23	10	220
Sault Ste. Marie	35	1,183	12	14	11	4	75
St. John's International	24	2,932	4	16	12	15	129
St-Jean	40	635	5	11	21	5	84
Thunder Bay	17	4,014	7	11	30	7	214
Toronto/Buttonville Municipal	18	3,795	5	12	46	2	354
Toronto/City Centre	14	4,200	19	12	30	17	273
Toronto/Lester B Pearson International	1	32,420	16	18	95	18	1,221
Vancouver Harbour	28	2,667	10	8	26	10	145
Vancouver International	2	22,879	8	8	74	18	863
Victoria International	9	6,109	5	12	41	3	308
Whitehorse International	38	791	15	11	8	30	44
Windsor	37	1,102	20	13	14	20	68
Winnipeg/James Armstrong Richardson International	6	9,910	17	13	42	16	437
Winnipeg/St. Andrews	31	2,300	21	13	25	21	192
Yellowknife	26	2,838	16	10	21	16	141

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	45	467	7	18	10	7	49
Campbell River	19	1,024	5	12	11	9	79
Castlegar	49	391	2	11	7	2	36
Charlottetown	26	822	2	15	10	13	60
Churchill	31	739	1	10	7	15	44
Cranbrook	39	650	2	11	7	23	32
Deer Lake	17	1,095	9	19	8	14	49
Fort Nelson	28	804	15	14	12	1	64
Fort St John	13	1,300	10	14	15	10	93
Fredericton International	1	3,512	2	11	30	2	329
Grande Prairie	7	1,698	17	11	15	10	91
High Level	41	540	2	10	9	7	38
Îles-de-la-Madeleine	51	301	8	10	4	21	19
Inuvik/Mike Zubko	25	828	4	9	9	4	55
Iqaluit	18	1,043	4	14	10	7	52
Kamloops	10	1,510	1	10	18	1	93
Kenora	40	609	9	8	8	10	40
Kingston	12	1,322	5	13	18	5	105
Kuujuuaq	29	803	2	12	6	2	38
La Grande Rivière	36	701	8	13	9	3	41
La Ronge	20	1,022	8	10	10	8	56
Lethbridge	23	885	17	15	9	17	50
Lloydminster	46	422	10	15	7	3	29
Medicine Hat	38	652	19	11	9	17	47
Mont-Joli	48	393	3	11	7	4	25
Montréal/Mirabel International	11	1,366	4	12	12	4	93
Nanaimo	9	1,536	2	12	19	2	124
Norman Wells	35	710	7	12	9	9	42
North Bay	16	1,215	8	13	14	11	85
Ottawa/Gatineau	21	974	12	14	18	12	83
Peace River	43	488	10	10	6	2	36
Penticton	27	807	3	9	11	1	75
Port Hardy	47	405	16	12	7	7	26
Prince Albert	14	1,285	8	13	12	8	75
Prince Rupert	52	236	3	10	6	23	18
Rankin Inlet	32	721	3	12	9	3	47
Red Deer Regional	30	796	2	14	16	17	82
Rouyn-Noranda	24	857	1	16	9	1	56
Saint John	15	1,246	8	23	18	8	96
Sept-Îles	8	1,549	11	14	13	11	87
Sioux Lookout	3	2,339	11	13	16	14	123
Smithers	44	481	7	13	5	7	28
St Catharines	37	653	30	15	17	6	57
Sudbury	4	2,124	15	12	15	8	103
Terrace	34	718	10	10	9	4	43
Thompson	2	2,771	14	9	17	18	140
Timmins	6	1,909	18	14	13	8	100
Val-d'Or	22	926	5	14	8	15	46
Victoria Harbour	5	1,964	4	15	16	8	115
Wabush	33	720	2	11	10	18	41
Whitecourt	50	328	15	13	9	1	34
Williams Lake	42	522	8	9	7	18	32

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	6	4,038	3	15	94	3	470
Boundary Bay	2	5,238	27	15	58	1	391
Calgary International	37	52	17	9	8	6	8
Calgary/Springbank	5	4,146	2	13	74	2	425
Chicoutimi/St-Honoré	21	841	1	9	70	1	205
Edmonton City Centre	28	382	17	9	26	17	54
Edmonton International	36	82	1	10	6	17	14
Edmonton/Villeneuve	16	1,335	2	13	52	2	174
Fort McMurray	30	325	6	10	22	20	55
Gander International	35	173	14	10	22	14	52
Halifax/Robert L Stanfield International	31	324	7	16	40	7	98
Hamilton	25	577	18	12	24	5	70
Kelowna	18	1,271	11	13	30	1	136
Kitchener/Waterloo	9	3,372	8	14	64	8	342
Langley	13	2,058	3	11	54	3	210
London	4	4,534	8	14	64	8	428
Moncton/Greater Moncton International	11	2,810	19	19	36	2	329
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	8	3,495	5	12	76	5	520
Oshawa	17	1,289	8	17	38	17	188
Ottawa/Macdonald-Cartier International	15	1,685	19	15	44	8	157
Pitt Meadows	7	3,982	12	12	80	2	572
Prince George	23	689	13	9	34	13	154
Québec/Jean Lesage International	14	1,881	16	15	48	14	196
Regina International	22	768	5	9	32	5	110
Saskatoon/John G Diefenbaker International	20	874	20	18	30	20	140
Sault Ste. Marie	27	410	1	19	40	1	84
St. John's International	34	207	8	15	20	8	52
St-Jean	32	262	6	12	24	6	50
Thunder Bay	19	1,142	2	18	64	7	248
Toronto/Butterville Municipal	10	3,281	2	15	67	2	337
Toronto/City Centre	12	2,126	5	18	60	19	184
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	1	6,001	17	15	78	8	474
Whitehorse International	33	236	11	15	20	15	28
Windsor	29	338	2	13	24	5	62
Winnipeg/James Armstrong Richardson International	26	493	7	17	26	7	62
Winnipeg/St. Andrews	3	4,538	4	18	64	21	470
Yellowknife	24	590	9	11	52	10	122

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	14	452	22	14	24	21	76
Campbell River	9	684	7	14	28	22	128
Castlegar	20	126	2	13	24	5	30
Charlottetown	32	46	31	12	10	31	22
Churchill	36	30	10	12	14	10	26
Cranbrook	24	94	19	11	26	19	50
Deer Lake	0	0	0	0	0	0	0
Fort Nelson	30	52	1	17	26	1	46
Fort St John	17	228	3	13	14	10	44
Fredericton International	1	3,330	4	16	46	31	378
Grande Prairie	15	392	10	17	34	10	102
High Level	40	16	17	14	10	17	10
Îles-de-la-Madeleine	42	12	7	14	6	7	10
Inuvik/Mike Zubko	45	6	31	14	4	31	4
Iqaluit	33	38	8	15	12	8	24
Kamloops	6	908	19	11	66	19	166
Kenora	28	74	11	14	24	23	26
Kingston	4	1,476	17	14	44	21	148
Kuujuaq	38	26	25	11	8	25	8
La Grande Rivière	46	4	9	12	2	9	4
La Ronge	22	102	4	16	12	4	18
Lethbridge	16	338	3	12	18	2	34
Lloydminster	19	166	10	9	16	2	40
Medicine Hat	21	116	19	13	22	19	46
Mont-Joli	39	18	8	13	8	8	18
Montréal/Mirabel International	7	894	20	15	40	20	102
Nanaimo	13	472	2	13	34	1	56
Norman Wells	8	762	12	5	24	12	72
North Bay	2	2,162	16	14	60	16	208
Ottawa/Gatineau	3	1,510	8	10	60	8	176
Peace River	44	8	8	13	2	8	4
Penticton	5	1,088	10	10	68	2	142
Port Hardy	35	36	14	11	16	21	20
Prince Albert	0	0	0	0	0	0	0
Prince Rupert	37	30	8	15	12	8	22
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	11	582	16	11	32	17	104
Rouyn-Noranda	34	36	1	11	6	1	12
Saint John	25	92	8	23	10	8	26
Sept-Îles	23	94	9	11	18	1	22
Sioux Lookout	43	10	14	14	4	14	4
Smithers	0	0	0	0	0	0	0
St Catharines	10	680	23	11	42	23	108
Sudbury	18	196	15	10	30	15	40
Terrace	31	50	9	10	20	9	28
Thompson	41	14	29	20	6	29	6
Timmins	29	56	30	14	16	30	26
Val-d'Or	27	76	5	14	14	5	26
Victoria Harbour	0	0	0	0	0	0	0
Wabush	0	0	0	0	0	0	0
Whitecourt	12	522	8	15	34	3	96
Williams Lake	26	88	27	14	26	27	48

Table 11-1
Local movements - civil, peak hour and peak day — NAV CANADA towers

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	6	4,038	3	15	94	3	470
Boundary Bay	2	5,238	27	15	58	1	391
Calgary International	37	52	17	9	8	6	8
Calgary/Springbank	5	4,146	2	13	74	2	425
Chicoutimi/St-Honoré	21	833	1	9	70	1	205
Edmonton City Centre	27	382	17	9	26	17	54
Edmonton International	35	82	1	10	6	17	14
Edmonton/Villeneuve	16	1,335	2	13	52	2	174
Fort McMurray	30	325	6	10	22	20	55
Gander International	36	77	14	10	16	14	36
Halifax/Robert L Stanfield International	31	274	7	16	40	7	98
Hamilton	24	577	18	12	24	5	70
Kelowna	18	1,271	11	13	30	1	136
Kitchener/Waterloo	9	3,368	8	14	64	8	342
Langley	13	2,058	3	11	54	3	210
London	4	4,530	8	14	64	8	428
Moncton/Greater Moncton International	11	2,808	19	19	36	2	327
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	8	3,495	5	12	76	5	520
Oshawa	17	1,287	8	17	38	17	188
Ottawa/Macdonald-Cartier International	15	1,683	19	15	44	8	157
Pitt Meadows	7	3,982	12	12	80	2	572
Prince George	23	681	13	9	34	13	154
Québec/Jean Lesage International	14	1,877	16	15	48	14	196
Regina International	22	744	5	9	32	5	110
Saskatoon/John G Diefenbaker International	20	866	20	18	30	20	140
Sault Ste. Marie	26	410	1	19	40	1	84
St. John's International	34	205	8	15	20	8	52
St-Jean	32	262	6	12	24	6	50
Thunder Bay	19	1,134	2	18	64	7	248
Toronto/Butterville Municipal	10	3,280	2	15	67	2	337
Toronto/City Centre	12	2,126	5	18	60	19	184
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	1	5,676	11	14	76	8	402
Whitehorse International	33	236	11	15	20	15	28
Windsor	28	338	2	13	24	5	62
Winnipeg/James Armstrong Richardson International	29	333	7	17	26	7	60
Winnipeg/St. Andrews	3	4,535	4	18	64	21	470
Yellowknife	25	568	9	11	52	10	108

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	14	402	22	14	24	21	76
Campbell River	9	684	7	14	28	22	128
Castlegar	20	124	2	13	24	5	30
Charlottetown	32	46	31	12	10	31	22
Churchill	35	30	10	12	14	10	26
Cranbrook	23	94	19	11	26	19	50
Deer Lake	0	0	0	0	0	0	0
Fort Nelson	29	52	1	17	26	1	46
Fort St John	17	228	3	13	14	10	44
Fredericton International	1	3,286	4	16	46	31	378
Grande Prairie	15	392	10	17	34	10	102
High Level	39	16	17	14	10	17	10
Îles-de-la-Madeleine	41	12	7	14	6	7	10
Inuvik/Mike Zubko	44	6	31	14	4	31	4
Iqaluit	33	38	8	15	12	8	24
Kamloops	6	898	19	11	66	19	166
Kenora	30	50	23	14	8	23	26
Kingston	4	1,476	17	14	44	21	148
Kuujuaq	37	26	25	11	8	25	8
La Grande Rivière	45	4	9	12	2	9	4
La Ronge	22	102	4	16	12	4	18
Lethbridge	16	336	3	12	18	2	34
Lloydminster	19	166	10	9	16	2	40
Medicine Hat	21	116	19	13	22	19	46
Mont-Joli	38	18	8	13	8	8	18
Montréal/Mirabel International	7	874	20	15	40	20	102
Nanaimo	13	472	2	13	34	1	56
Norman Wells	8	762	12	5	24	12	72
North Bay	2	2,160	16	14	60	16	208
Ottawa/Gatineau	3	1,510	8	10	60	8	176
Peace River	43	8	8	13	2	8	4
Penticton	5	1,088	10	10	68	2	142
Port Hardy	0	0	0	0	0	0	0
Prince Albert	0	0	0	0	0	0	0
Prince Rupert	36	30	8	15	12	8	22
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	11	582	16	11	32	17	104
Rouyn-Noranda	34	36	1	11	6	1	12
Saint John	26	84	8	23	10	8	26
Sept-Îles	24	94	9	11	18	1	22
Sioux Lookout	42	10	14	14	4	14	4
Smithers	0	0	0	0	0	0	0
St Catharines	10	680	23	11	42	23	108
Sudbury	18	196	15	10	30	15	40
Terrace	31	50	9	10	20	9	28
Thompson	40	14	29	20	6	29	6
Timmins	28	56	30	14	16	30	26
Val-d'Or	27	76	5	14	14	5	26
Victoria Harbour	0	0	0	0	0	0	0
Wabush	0	0	0	0	0	0	0
Whitecourt	12	522	8	15	34	3	96
Williams Lake	25	88	27	14	26	27	48

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	0	0	0	0	0	0	0
Boundary Bay	0	0	0	0	0	0	0
Calgary International	0	0	0	0	0	0	0
Calgary/Springbank	0	0	0	0	0	0	0
Chicoutimi/St-Honoré	10	8	19	14	8	19	8
Edmonton City Centre	0	0	0	0	0	0	0
Edmonton International	0	0	0	0	0	0	0
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	0	0	0	0	0	0	0
Gander International	3	96	24	10	8	14	16
Halifax/Robert L Stanfield International	4	50	1	14	10	9	16
Hamilton	0	0	0	0	0	0	0
Kelowna	0	0	0	0	0	0	0
Kitchener/Waterloo	13	4	23	12	2	23	2
Langley	0	0	0	0	0	0	0
London	11	4	4	10	2	4	2
Moncton/Greater Moncton International	16	2	2	14	2	2	2
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	0	0	0	0	0	0	0
Oshawa	18	2	23	14	2	23	2
Ottawa/Macdonald-Cartier International	15	2	23	15	1	23	1
Pitt Meadows	0	0	0	0	0	0	0
Prince George	8	8	12	12	8	12	8
Québec/Jean Lesage International	12	4	31	9	4	31	4
Regina International	5	24	9	18	20	9	20
Saskatoon/John G Diefenbaker International	7	8	10	19	4	10	4
Sault Ste. Marie	0	0	0	0	0	0	0
St. John's International	17	2	31	13	2	31	2
St-Jean	0	0	0	0	0	0	0
Thunder Bay	9	8	10	16	8	10	8
Toronto/Buttonville Municipal	19	1	5	17	1	5	1
Toronto/City Centre	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	1	325	2	13	22	8	72
Whitehorse International	0	0	0	0	0	0	0
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	2	160	8	9	16	10	28
Winnipeg/St. Andrews	14	3	14	14	2	14	2
Yellowknife	6	22	10	15	10	10	14

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	1	50	7	18	14	7	22
Campbell River	0	0	0	0	0	0	0
Castlegar	8	2	14	13	2	14	2
Charlottetown	0	0	0	0	0	0	0
Churchill	0	0	0	0	0	0	0
Cranbrook	0	0	0	0	0	0	0
Deer Lake	0	0	0	0	0	0	0
Fort Nelson	0	0	0	0	0	0	0
Fort St John	0	0	0	0	0	0	0
Fredericton International	2	44	11	15	12	14	24
Grande Prairie	0	0	0	0	0	0	0
High Level	0	0	0	0	0	0	0
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	0	0	0	0	0	0	0
Iqaluit	0	0	0	0	0	0	0
Kamloops	6	10	22	11	10	22	10
Kenora	4	24	11	14	24	11	24
Kingston	0	0	0	0	0	0	0
Kujjuuaq	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	10	2	14	16	2	14	2
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	5	20	8	13	14	8	14
Nanaimo	0	0	0	0	0	0	0
Norman Wells	0	0	0	0	0	0	0
North Bay	9	2	11	9	2	11	2
Ottawa/Gatineau	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	0
Penticton	0	0	0	0	0	0	0
Port Hardy	3	36	14	11	16	21	20
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	7	8	2	12	6	2	6
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

Emergency measures put in place in response to the attempted terror attack on December 25, 2009 resulted in numerous flight delays and cancellations.

A major winter storm in the eastern United States and Atlantic Canada resulted in the cancellation of flights between Canadian airports and cities on the American eastern seaboard.

Beginning in early November 2009, WestJet has initiated seasonal flights to new sunny destinations as well as increased the frequency to others from cities throughout the country.

From mid-October 2009 until the end of April 2010, WestJet will fly five times weekly between Toronto and Miami and four times weekly between Toronto and Atlantic City.

Porter Airlines introduced St. John's, Newfoundland and Labrador as its newest destination in Atlantic Canada on October 5, 2009. As part of its expanded service to the region, the airline added four daily non-stop round trip flights between St. John's and Halifax, with ongoing direct flights also connecting Ottawa and Toronto.

Effective September 14, 2009, Porter Airlines added three daily roundtrip flights between Boston Logan International and Toronto City/Centre.

Porter Airlines has added three daily round trip flights on weekdays and two daily round trip flights on weekends between Toronto City Centre Airport and Thunder Bay International Airport effective June 26, 2009.

In June 2009, Air Canada has 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.

Porter Airlines has added five daily round trip flights between Toronto City Centre Airport and Montreal's Pierre Elliott Trudeau International Airport as well as four daily roundtrip flights between Toronto City Centre Airport and Ottawa's MacDonald-Cartier International Airport effective April 15, 2009.

Air India increased the scheduled number of flights between Toronto and Amritsar (via London) from three weekly flights to seven flights per week effective March 29, 2009.

Effective March 2009 Unaalik Aviation, on behalf of First Air, operates five scheduled flights between Rankin Inlet and Baker Lake.

AeroMexico began new daily service between Toronto and Mexico City on March 2, 2009.

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 each of the two calendar years immediately preceding the report year, realized annual gross revenues of \$1,000,000 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 each of the two calendar years immediately preceding the report year, realized annual gross revenues of less than \$1,000,000 for the air services for which the air carrier held a licence. Since 2000, levels IV and VI are no longer 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.