

Catalogue no. 51-007-X

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



December 2008



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Statistics Canada
Transportation Division

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

December 2008

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January 2009

Catalogue no. 51-007-X

ISSN 1911-6314

Frequency: Monthly

Ottawa

La version française de cette publication est disponible sur demande (n° 51-007-X au catalogue).

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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.

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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 Canadian airports with NAV CANADA air traffic control towers and flight service stations decreased (-10.3%) in December 2008 compared with December 2007. These 93 airports reported 332,453 movements in December 2008 compared with 370,678 movements at 95 airports in December 2007.
- Itinerant movements (flights from one airport to another) fell 5.1% (-14,067 movements) in December 2008 compared with the same month a year earlier.
- Local movements (flights that remain in the vicinity of the airport) dropped by 25.1% (-24,158 movements) in December 2008 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 2008/December 2007 percent	number	Change from December 2008/December 2007 percent	number	Change from December 2008/December 2007 percent
Grand total	265,988	-11.4	66,465	-5.8	332,453	-10.3
Itinerant movements						
Air carriers	173,582	-3.0	43,215	0.2	216,797	-2.4
Other commercial movements	16,418	-18.8	2,592	-17.7	19,010	-18.7
Private movements	13,052	-20.3	3,668	-34.1	16,720	-23.8
Government civil movements	3,547	9.8	1,368	11.9	4,915	10.4
Government military movements	2,142	8.8	674	52.8	2,816	16.8
Itinerant total	208,741	-5.5	51,517	-3.7	260,258	-5.1
Local movements						
Civil local movements	56,522	-27.9	14,848	-12.6	71,370	-25.2
Military local movements	725	-22.4	100	61.3	825	-17.2
Local total	57,247	-27.8	14,948	-12.3	72,195	-25.1

Analysis

Aircraft take-offs and landings at Canadian airports with NAV CANADA air traffic control towers and flight service stations decreased (-10.3%) in December 2008 compared with December 2007. These 93 airports reported 332,453 movements in December 2008 compared with 370,678 movements at 95 airports in December 2007.

Itinerant movements (flights from one airport to another) fell 5.1% (-14,067 movements) in December 2008 compared with the same month a year earlier.

Local movements (flights that remain in the vicinity of the airport) dropped by 25.1% (-24,158 movements) in December 2008 over the previous year.

Airports with NAV CANADA air traffic control towers

The 41 Canadian airports with NAV CANADA air traffic control towers reported 265,988 aircraft take-offs and landings in December down 11.4% (-34,136 movements) compared with December 2007. Year-over-year increases in aircraft movements were reported by only 9 of these airports in December 2008. The variations ranged from an increase of 117.1% at St-Jean, Quebec to a decline of 70.5% at Calgary/Springbank, Alberta.

Itinerant movements (flights from one airport to another) declined 5.5% in December compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 30.0% increase (+130 movements) at St-Jean, Quebec to a decline of 62.4% (-3,384 movements) at Calgary/Springbank, Alberta.

Local movements (flights that remain in the vicinity of the airport) dropped by 22,062 movements (-27.8%) in December compared with December 2007. Moncton/Greater Moncton International, New Brunswick recorded the largest gain in local movements, increasing by 1,681 movements (+55.7%) while Calgary/Springbank, Alberta reported the largest decline with 7,860 fewer movements (-74.7%) compared with the previous year.

The Air Traffic Control Tower at Sudbury, Ontario closed in June 2008 and re-opened as a Flight Service Station. Sudbury reported 2,253 movements in December 2007 compared with 2,066 movements reported for the Flight Service Station in December 2008.

The Flight Service Station at Fort McMurray, Alberta closed effective October 2008 and re-opened as an Air Traffic Control Tower. Fort McMurray reported 3,314 movements in December 2007 compared with 3,412 movements reported for the Air Traffic Control Tower in December 2008.

The Air Traffic Control Tower at Montréal/Mirabel International, Quebec closed in December 2008 and re-opened as a Flight Service Station. Montréal/Mirabel International reported 1,885 movements in December 2007 compared with 2,032 movements reported for the Flight Service Station in December 2008.

Airports with NAV CANADA flight service stations

The 52 Canadian airports with NAV CANADA flight service stations reported 66,465 aircraft take-offs and landings in December down 5.8% (-4,089 movements) compared with December 2007. Year-over-year increases in aircraft movements were reported by 20 of these airports in December 2008. The variations ranged from a 69.0% increase (+2,369 movements) at Fredericton International, New Brunswick to a decline of 52.4% (-1,300 movements) at Red Deer Regional, Alberta.

Itinerant movements (flights from one airport to another) decreased by 3.7% (-1,993 movements) in December 2008 compared with the same month a year earlier. Year-over-year variations in itinerant movements

ranged from a 56.3% increase (+1,254 movements) at Fredericton International, New Brunswick to a decline of 52.9% (-760 movements) at Red Deer Regional, Alberta.

Local movements (flights that remain in the vicinity of the airport) recorded in December 2008 decreased by 12.3% (-2,096 movements) compared with the same month a year earlier. Fredericton International, New Brunswick recorded the largest gain in local movements, increasing by 1,115 movements (+92.5%) compared with December 2007. Campbell River, British Columbia recorded the largest decline in local movements, dropping 1,078 movements (-73.1%) compared with December 2007.

Related products

Selected CANSIM tables from Statistics Canada

401-0005	Aircraft movements by class of operation, airports with NAV CANADA towers, preliminary, monthly
401-0006	Aircraft movements by class of operation, airports with NAV CANADA towers, preliminary, annual
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

Selected surveys from Statistics Canada

2715	Aircraft Movement Statistics
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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	14	5,945	23	2,610	6	3,335
Boundary Bay	9	9,096	17	3,294	1	5,802
Calgary International	3	19,007	3	18,877	36	130
Calgary/Springbank	20	4,710	29	2,042	7	2,668
Chicoutimi/St-Honoré	40	1,283	40	493	23	790
Edmonton City Centre	25	3,747	14	3,605	34	142
Edmonton International	6	10,586	5	10,498	37	88
Edmonton/Villeneuve	38	1,752	41	458	16	1,294
Fort McMurray	26	3,412	19	3,170	33	242
Gander International	36	1,806	32	1,444	31	362
Halifax/Robert L Stanfield International	13	6,567	8	6,135	30	432
Hamilton	32	2,761	28	2,279	29	482
Kelowna	23	4,198	20	3,165	18	1,033
Kitchener/Waterloo	24	3,983	30	1,913	12	2,070
Langley	28	3,295	35	1,197	11	2,098
London	11	7,342	15	3,471	3	3,871
Moncton/Greater Moncton International	8	9,985	10	5,287	2	4,698
Montréal/Pierre Elliott Trudeau International	4	16,247	4	16,247	0	0
Montréal/St-Hubert	15	5,886	16	3,328	8	2,558
Oshawa	30	3,038	37	1,154	14	1,884
Ottawa/Macdonald-Cartier International	7	10,366	7	8,707	15	1,659
Pitt Meadows	27	3,324	36	1,174	10	2,150
Prince George	34	2,110	31	1,580	27	530
Québec/Jean Lesage International	12	6,685	9	5,445	17	1,240
Regina International	29	3,154	24	2,576	26	578
Saskatoon/John G Diefenbaker International	17	5,228	12	4,346	21	882
Sault Ste. Marie	37	1,774	34	1,244	28	530
St. John's International	31	3,026	21	2,735	32	291
St-Jean	39	1,368	39	564	22	804
Thunder Bay	18	4,751	13	3,788	19	963
Toronto/Buttonville Municipal	21	4,658	26	2,344	9	2,314
Toronto/City Centre	19	4,720	22	2,726	13	1,994
Toronto/Lester B Pearson International	1	32,909	1	32,909	0	0
Vancouver Harbour	33	2,410	25	2,410	0	0
Vancouver International	2	22,834	2	22,834	0	0
Victoria International	10	8,385	11	4,899	4	3,486
Whitehorse International	41	880	38	746	35	134
Windsor	35	1,931	33	1,255	24	676
Winnipeg/James Armstrong Richardson International	5	10,863	6	10,197	25	666
Winnipeg/St. Andrews	16	5,755	27	2,316	5	3,439
Yellowknife	22	4,211	18	3,279	20	932
Total of NAV CANADA towers (41)	.	265,988	.	208,741	.	57,247

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	43	573	48	343	17	230
Campbell River	22	1,356	19	960	13	396
Castlegar	50	335	49	335	0	0
Charlottetown	27	1,041	21	897	18	144
Churchill	34	787	29	787	0	0
Cranbrook	39	635	37	629	45	6
Deer Lake	17	1,553	13	1,319	16	234
Fort Nelson	29	937	23	849	26	88
Fort St John	18	1,429	10	1,400	32	29
Fredericton International	1	5,804	1	3,483	1	2,321
Grande Prairie	4	2,366	4	1,962	12	404
High Level	41	610	41	570	29	40
Îles-de-la-Madeleine	52	311	51	299	42	12
Inuvik/Mike Zubko	30	913	22	891	35	22
Iqaluit	25	1,129	17	1,103	33	26
Kamloops	14	1,742	11	1,398	15	344
Kenora	42	605	40	603	48	2
Kingston	6	2,100	15	1,228	6	872
Kuujuuaq	32	849	25	819	31	30
La Grande Rivière	38	667	35	667	0	0
La Ronge	26	1,128	18	1,040	25	88
Lethbridge	23	1,324	26	808	10	516
Lloydminster	48	469	47	361	22	108
Medicine Hat	20	1,372	24	828	9	544
Mont-Joli	51	334	50	320	40	14
Montréal/Mirabel International	8	2,032	9	1,456	8	576
Nanaimo	28	1,026	20	902	21	124
Norman Wells	12	1,840	30	766	5	1,074
North Bay	2	2,846	16	1,154	2	1,692
Ottawa/Gatineau	9	2,029	39	617	3	1,412
Peace River	44	540	42	524	39	16
Penticton	16	1,580	27	804	7	776
Port Hardy	47	471	46	437	30	34
Prince Albert	21	1,366	12	1,354	41	12
Prince Rupert	49	382	52	280	24	102
Rankin Inlet	37	694	33	688	44	6
Red Deer Regional	24	1,182	34	676	11	506
Rouyn-Noranda	36	755	31	751	46	4
Saint John	19	1,405	14	1,279	20	126
Sept-Îles	15	1,583	8	1,523	27	60
Sioux Lookout	5	2,229	3	2,213	38	16
Smithers	45	536	43	518	37	18
St Catharines	33	839	44	487	14	352
Sudbury	7	2,066	5	1,924	19	142
Terrace	35	758	32	750	43	8
Thompson	3	2,428	2	2,410	36	18
Timmins	11	1,856	6	1,804	28	52
Val-d'Or	31	905	28	799	23	106
Victoria Harbour	13	1,762	7	1,762	0	0
Wabush	40	629	38	627	47	2
Whitecourt	10	1,858	36	640	4	1,218
Williams Lake	46	499	45	473	34	26
Total of all flight service stations (52)	.	66,465	.	51,517	.	14,948

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	5,914	2,086	493	3,335	31	31	0
Boundary Bay	9,087	2,784	501	5,802	9	9	0
Calgary International	18,922	17,646	1,146	130	85	85	0
Calgary/Springbank	4,704	1,433	603	2,668	6	6	0
Chicoutimi/St-Honoré	1,279	440	51	788	4	2	2
Edmonton City Centre	3,732	2,587	1,003	142	15	15	0
Edmonton International	10,542	10,164	290	88	44	44	0
Edmonton/Villeneuve	1,752	379	79	1,294	0	0	0
Fort McMurray	3,396	2,829	325	242	16	16	0
Gander International	1,443	956	235	252	363	253	110
Halifax/Robert L Stanfield International	6,286	5,618	286	382	281	231	50
Hamilton	2,754	1,938	338	478	7	3	4
Kelowna	4,185	2,865	292	1,028	13	8	5
Kitchener/Waterloo	3,967	1,534	363	2,070	16	16	0
Langley	3,294	859	337	2,098	1	1	0
London	7,329	2,991	469	3,869	13	11	2
Moncton/Greater Moncton International	9,963	5,031	234	4,698	22	22	0
Montréal/Pierre Elliott Trudeau International	16,227	15,122	1,105	0	20	20	0
Montréal/St-Hubert	5,795	2,582	655	2,558	91	91	0
Oshawa	3,034	983	167	1,884	4	4	0
Ottawa/Macdonald-Cartier International	10,125	7,878	604	1,643	241	225	16
Pitt Meadows	3,308	779	379	2,150	16	16	0
Prince George	2,108	1,433	145	530	2	2	0
Québec/Jean Lesage International	6,614	4,781	597	1,236	71	67	4
Regina International	3,031	2,096	361	574	123	119	4
Saskatoon/John G Diefenbaker International	5,103	3,662	591	850	125	93	32
Sault Ste. Marie	1,754	1,167	57	530	20	20	0
St. John's International	2,889	2,447	153	289	137	135	2
St-Jean	1,357	385	168	804	11	11	0
Thunder Bay	4,690	3,568	173	949	61	47	14
Toronto/Buttonville Municipal	4,656	1,580	762	2,314	2	2	0
Toronto/City Centre	4,712	2,496	222	1,994	8	8	0
Toronto/Lester B Pearson International	32,901	31,938	963	0	8	8	0
Vancouver Harbour	2,405	2,379	26	0	5	5	0
Vancouver International	22,796	21,828	968	0	38	38	0
Victoria International	8,131	4,274	541	3,316	254	84	170
Whitehorse International	876	687	55	134	4	4	0
Windsor	1,927	1,080	171	676	4	4	0
Winnipeg/James Armstrong Richardson International	10,266	9,363	501	402	597	333	264
Winnipeg/St. Andrews	5,743	2,196	108	3,439	12	12	0
Yellowknife	4,124	3,156	82	886	87	41	46
Total of NAV CANADA towers (41)	263,121	190,000	16,599	56,522	2,867	2,142	725

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	491	199	84	208	82	60	22
Campbell River	1,348	771	181	396	8	8	0
Castlegar	333	313	20	0	2	2	0
Charlottetown	1,021	771	106	144	20	20	0
Churchill	765	755	10	0	22	22	0
Cranbrook	625	589	30	6	10	10	0
Deer Lake	1,551	1,298	19	234	2	2	0
Fort Nelson	908	779	41	88	29	29	0
Fort St John	1,425	1,273	123	29	4	4	0
Fredericton International	5,748	3,300	127	2,321	56	56	0
Grande Prairie	2,366	1,713	249	404	0	0	0
High Level	608	535	33	40	2	2	0
Îles-de-la-Madeleine	309	255	42	12	2	2	0
Inuvik/Mike Zubko	911	862	27	22	2	2	0
Iqaluit	1,107	1,004	77	26	22	22	0
Kamloops	1,731	1,230	157	344	11	11	0
Kenora	585	557	26	2	20	20	0
Kingston	2,068	1,061	149	858	32	18	14
Kuujuuaq	841	777	34	30	8	8	0
La Grande Rivière	667	649	18	0	0	0	0
La Ronge	1,128	956	84	88	0	0	0
Lethbridge	1,294	642	146	506	30	20	10
Lloydminster	465	220	137	108	4	4	0
Medicine Hat	1,352	690	122	540	20	16	4
Mont-Joli	334	293	27	14	0	0	0
Montréal/Mirabel International	1,923	1,103	278	542	109	75	34
Nanaimo	1,026	628	274	124	0	0	0
Norman Wells	1,840	757	9	1,074	0	0	0
North Bay	2,814	967	157	1,690	32	30	2
Ottawa/Gatineau	2,025	316	297	1,412	4	4	0
Peace River	538	477	45	16	2	2	0
Penticton	1,572	664	132	776	8	8	0
Port Hardy	446	358	64	24	25	15	10
Prince Albert	1,358	1,202	146	10	8	6	2
Prince Rupert	378	242	34	102	4	4	0
Rankin Inlet	694	676	12	6	0	0	0
Red Deer Regional	1,169	456	207	506	13	13	0
Rouyn-Noranda	753	662	87	4	2	2	0
Saint John	1,393	1,072	195	126	12	12	0
Sept-Îles	1,575	1,435	80	60	8	8	0
Sioux Lookout	2,227	2,190	21	16	2	2	0
Smithers	518	464	36	18	18	18	0
St Catharines	744	279	113	352	95	95	0
Sudbury	2,048	1,746	160	142	18	18	0
Terrace	754	722	24	8	4	4	0
Thompson	2,428	2,282	128	18	0	0	0
Timmins	1,856	1,737	67	52	0	0	0
Val-d'Or	901	726	69	106	4	4	0
Victoria Harbour	1,756	1,543	213	0	6	6	0
Wabush	627	578	47	2	2	2	0
Whitecourt	1,856	614	24	1,218	2	2	0
Williams Lake	491	419	48	24	8	6	2
Total of all flight service stations (52)	65,691	45,807	5,036	14,848	774	674	100

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	343	98	90	11	53	31	60
Campbell River	960	472	125	174	155	26	8
Castlegar	335	235	28	50	14	6	2
Charlottetown	897	632	83	56	82	24	20
Churchill	787	727	20	8	8	2	22
Cranbrook	629	556	29	4	26	4	10
Deer Lake	1,319	1,089	171	38	7	12	2
Fort Nelson	849	330	259	190	35	6	29
Fort St John	1,400	761	453	59	103	20	4
Fredericton International	3,483	717	2,465	118	74	53	56
Grande Prairie	1,962	1,156	523	34	229	20	0
High Level	570	176	355	4	15	18	2
Îles-de-la-Madeleine	299	215	22	18	6	36	2
Inuvik/Mike Zubko	891	292	556	14	1	26	2
Iqaluit	1,103	851	91	62	42	35	22
Kamloops	1,398	1,087	108	35	115	42	11
Kenora	603	328	219	10	12	14	20
Kingston	1,228	372	432	257	127	22	18
Kujjuaq	819	754	16	7	10	24	8
La Grande Rivière	667	551	96	2	8	10	0
La Ronge	1,040	947	4	5	15	69	0
Lethbridge	808	382	12	248	133	13	20
Lloydminster	361	140	72	8	123	14	4
Medicine Hat	828	627	43	20	112	10	16
Mont-Joli	320	252	41	0	9	18	0
Montréal/Mirabel International	1,456	808	244	51	274	4	75
Nanaimo	902	348	226	54	230	44	0
Norman Wells	766	507	179	71	1	8	0
North Bay	1,154	428	343	196	152	5	30
Ottawa/Gatineau	617	79	72	165	244	53	4
Peace River	524	353	116	8	23	22	2
Penticton	804	405	214	45	110	22	8
Port Hardy	437	317	38	3	22	42	15
Prince Albert	1,354	1,128	58	16	48	98	6
Prince Rupert	280	192	44	6	4	30	4
Rankin Inlet	688	676	0	0	4	8	0
Red Deer Regional	676	155	252	49	199	8	13
Rouyn-Noranda	751	511	146	5	57	30	2
Saint John	1,279	675	307	90	183	12	12
Sept-Îles	1,523	1,147	264	24	32	48	8
Sioux Lookout	2,213	1,835	322	33	11	10	2
Smithers	518	417	33	14	18	18	18
St Catharines	487	7	237	35	105	8	95
Sudbury	1,924	1,315	419	12	108	52	18
Terrace	750	508	201	13	4	20	4
Thompson	2,410	2,096	184	2	5	123	0
Timmins	1,804	1,511	224	2	50	17	0
Val-d'Or	799	645	54	27	45	24	4
Victoria Harbour	1,762	1,534	9	0	128	85	6
Wabush	627	507	67	4	43	4	2
Whitecourt	640	37	342	235	18	6	2
Williams Lake	473	395	24	0	36	12	6
Total of all flight service stations (52)	51,517	32,283	10,932	2,592	3,668	1,368	674

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 number	
	Total of IFR and VFR flights ¹	Instrument flight rules	Percentage instrument flight rules	Visual flight rules		Percentage visual flight rules
	number		percent	number		percent
Abbotsford	2,610	941	36.0	1,669	63.9	390
Boundary Bay	3,294	256	7.7	3,038	92.2	133
Calgary International	18,877	18,223	96.5	654	3.4	437
Calgary/Springbank	2,042	174	8.5	1,868	91.4	838
Chicoutimi/St-Honoré	493	105	21.2	388	78.7	17
Edmonton City Centre	3,605	2,403	66.6	1,202	33.3	736
Edmonton International	10,498	10,273	97.8	225	2.1	332
Edmonton/Villeneuve	458	18	3.9	440	96.0	51
Fort McMurray	3,170	2,191	69.1	979	30.8	61
Gander International	1,444	1,150	79.6	294	20.3	39
Halifax/Robert L. Stanfield International	6,135	5,714	93.1	421	6.8	196
Hamilton	2,279	1,984	87.0	295	12.9	220
Kelowna	3,165	2,471	78.0	694	21.9	188
Kitchener/Waterloo	1,913	738	38.5	1,175	61.4	167
Langley	1,197	29	2.4	1,168	97.5	423
London	3,471	1,390	40.0	2,081	59.9	165
Moncton/Greater Moncton International	5,287	1,923	36.3	3,364	63.6	69
Montréal/Pierre Elliott Trudeau International	16,247	15,931	98.0	316	1.9	661
Montréal/St-Hubert	3,328	1,123	33.7	2,205	66.2	541
Oshawa	1,154	53	4.5	1,101	95.4	228
Ottawa/Macdonald-Cartier International	8,707	7,276	83.5	1,431	16.4	342
Pitt Meadows	1,174	12	1.0	1,162	98.9	879
Prince George	1,580	1,262	79.8	318	20.1	162
Québec/Jean Lesage International	5,445	4,164	76.4	1,281	23.5	411
Regina International	2,576	2,229	86.5	347	13.4	63
Saskatoon/John G. Diefenbaker International	4,346	3,624	83.3	722	16.6	43
Sault Ste. Marie	1,244	1,006	80.8	238	19.1	37
St. John's International	2,735	2,533	92.6	202	7.3	34
St-Jean	564	179	31.7	385	68.2	131
Thunder Bay	3,788	3,235	85.4	553	14.5	118
Toronto/Buttonville Municipal	2,344	440	18.7	1,904	81.2	240
Toronto/City Centre	2,726	1,681	61.6	1,045	38.3	534
Toronto/Lester B. Pearson International	32,909	32,872	99.8	37	0.1	23
Vancouver Harbour	2,410	85	3.5	2,325	96.4	722
Vancouver International	22,834	18,693	81.8	4,141	18.1	4,254
Victoria International	4,899	3,006	61.3	1,893	38.6	1,613
Whitehorse International	746	418	56.0	328	43.9	42
Windsor	1,255	694	55.2	561	44.7	28
Winnipeg/James Armstrong Richardson International	10,197	9,154	89.7	1,043	10.2	142
Winnipeg/St. Andrews	2,316	82	3.5	2,234	96.4	56
Yellowknife	3,279	2,175	66.3	1,104	33.6	99
Total of NAV CANADA towers (41)	208,741	161,910	77.6	46,831	22.4	15,865

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	343	140	40.8	203	59.1	3
Campbell River	960	464	48.3	496	51.6	136
Castlegar	335	238	71.0	97	28.9	44
Charlottetown	897	696	77.5	201	22.4	6
Churchill	787	708	89.9	79	10.0	1
Cranbrook	629	585	93.0	44	6.9	35
Deer Lake	1,319	1,257	95.2	62	4.7	14
Fort Nelson	849	389	45.8	460	54.1	50
Fort St John	1,400	841	60.0	559	39.9	41
Fredericton International	3,483	993	28.5	2,490	71.4	63
Grande Prairie	1,962	1,350	68.8	612	31.1	95
High Level	570	258	45.2	312	54.7	120
Îles-de-la-Madeleine	299	287	95.9	12	4.0	7
Inuvik/Mike Zubko	891	293	32.8	598	67.1	3
Iqaluit	1,103	985	89.3	118	10.6	0
Kamloops	1,398	1,161	83.0	237	16.9	96
Kenora	603	423	70.1	180	29.8	17
Kingston	1,228	512	41.6	716	58.3	51
Kuujuuaq	819	426	52.0	393	47.9	0
La Grande Rivière	667	532	79.7	135	20.2	98
La Ronge	1,040	666	64.0	374	35.9	86
Lethbridge	808	475	58.7	333	41.2	13
Lloydminster	361	199	55.1	162	44.8	14
Medicine Hat	828	411	49.6	417	50.3	169
Mont-Joli	320	305	95.3	15	4.6	4
Montréal/Mirabel International	1,456	1,081	74.2	375	25.7	178
Nanaimo	902	392	43.4	510	56.5	312
Norman Wells	766	161	21.0	605	78.9	298
North Bay	1,154	621	53.8	533	46.1	214
Ottawa/Gatineau	617	110	17.8	507	82.1	32
Peace River	524	328	62.5	196	37.4	4
Penticton	804	383	47.6	421	52.3	48
Port Hardy	437	212	48.5	225	51.4	117
Prince Albert	1,354	1,228	90.6	126	9.3	20
Prince Rupert	280	214	76.4	66	23.5	6
Rankin Inlet	688	663	96.3	25	3.6	1
Red Deer Regional	676	225	33.2	451	66.7	114
Rouyn-Noranda	751	715	95.2	36	4.7	2
Saint John	1,279	846	66.1	433	33.8	27
Sept-Îles	1,523	1,287	84.5	236	15.4	207
Sioux Lookout	2,213	1,814	81.9	399	18.0	103
Smithers	518	391	75.4	127	24.5	144
St Catharines	487	38	7.8	449	92.1	110
Sudbury	1,924	1,650	85.7	274	14.2	25
Terrace	750	509	67.8	241	32.1	38
Thompson	2,410	1,301	53.9	1,109	46.0	15
Timmins	1,804	1,629	90.2	175	9.7	94
Val-d'Or	799	710	88.8	89	11.1	127
Victoria Harbour	1,762	134	7.6	1,628	92.3	248
Wabush	627	574	91.5	53	8.4	13
Whitecourt	640	79	12.3	561	87.6	50
Williams Lake	473	401	84.7	72	15.2	65
Total of all flight service stations (52)	51,517	32,290	62.7	19,227	37.3	3,778

1. Total excludes runway 88 flights.

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Abbotsford	2,610	448	163	1,313	686	0
Boundary Bay	3,294	0	71	2,956	267	0
Calgary International	18,877	13,498	4,601	357	421	0
Calgary/Springbank	2,042	26	72	1,540	404	0
Chicoutimi/St-Honoré	493	4	60	322	105	2
Edmonton City Centre	3,605	365	1,868	901	471	0
Edmonton International	10,498	6,896	3,422	174	6	0
Edmonton/Villeneuve	458	3	15	333	107	0
Fort McMurray	3,170	900	1,420	477	373	0
Gander International	1,444	573	504	237	130	0
Halifax/Robert L Stanfield International	6,135	3,803	1,784	333	215	0
Hamilton	2,279	1,318	600	285	76	0
Kelowna	3,165	1,452	1,091	338	284	0
Kitchener/Waterloo	1,913	181	399	1,154	179	0
Langley	1,197	0	58	923	216	0
London	3,471	254	1,093	2,024	100	0
Moncton/Greater Moncton International	5,287	971	631	3,671	14	0
Montréal/Pierre Elliott Trudeau International	16,247	11,335	4,540	271	101	0
Montréal/St-Hubert	3,328	133	641	2,307	246	1
Oshawa	1,154	9	48	1,006	91	0
Ottawa/Macdonald-Cartier International	8,707	5,355	1,957	1,155	240	0
Pitt Meadows	1,174	0	2	1,030	142	0
Prince George	1,580	452	861	59	208	0
Québec/Jean Lesage International	5,445	1,356	2,568	985	533	3
Regina International	2,576	1,425	621	523	7	0
Saskatoon/John G Diefenbaker International	4,346	1,846	1,640	848	12	0
Sault Ste. Marie	1,244	32	950	250	12	0
St. John's International	2,735	1,107	1,239	21	368	0
St-Jean	564	2	46	508	6	2
Thunder Bay	3,788	753	2,485	248	302	0
Toronto/Buttonville Municipal	2,344	60	285	1,669	330	0
Toronto/City Centre	2,726	0	1,646	882	198	0
Toronto/Lester B Pearson International	32,909	27,355	5,514	33	7	0
Vancouver Harbour	2,410	0	1,176	730	504	0
Vancouver International	22,834	11,470	7,955	2,408	1,001	0
Victoria International	4,899	1,028	1,886	1,674	311	0
Whitehorse International	746	223	352	125	46	0
Windsor	1,255	73	588	574	20	0
Winnipeg/James Armstrong Richardson International	10,197	5,194	4,055	880	68	0
Winnipeg/St. Andrews	2,316	0	326	1,905	85	0
Yellowknife	3,279	710	2,101	212	256	0
Total of NAV CANADA towers (41)	208,741	100,610	61,334	37,641	9,148	8

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	343	41	132	141	29	0
Campbell River	960	20	496	177	267	0
Castlegar	335	13	236	12	74	0
Charlottetown	897	288	299	290	20	0
Churchill	787	6	755	18	8	0
Cranbrook	629	38	512	63	16	0
Deer Lake	1,319	237	1,025	28	29	0
Fort Nelson	849	46	365	78	360	0
Fort St John	1,400	255	612	110	423	0
Fredericton International	3,483	272	530	2,611	70	0
Grande Prairie	1,962	454	770	360	378	0
High Level	570	2	322	153	93	0
Îles-de-la-Madeleine	299	12	211	74	2	0
Inuvik/Mike Zubko	891	99	657	80	55	0
Iqaluit	1,103	339	721	3	40	0
Kamloops	1,398	69	1,072	145	112	0
Kenora	603	4	368	126	105	0
Kingston	1,228	21	477	449	281	0
Kuujuuaq	819	145	642	8	24	0
La Grande Rivière	667	14	649	2	2	0
La Ronge	1,040	4	864	168	4	0
Lethbridge	808	33	434	326	15	0
Lloydminster	361	8	165	174	14	0
Medicine Hat	828	24	500	244	60	0
Mont-Joli	320	14	277	24	5	0
Montréal/Mirabel International	1,456	714	376	160	206	0
Nanaimo	902	8	352	494	48	0
Norman Wells	766	122	288	159	197	0
North Bay	1,154	34	643	144	333	0
Ottawa/Gatineau	617	3	107	356	150	1
Peace River	524	12	293	108	111	0
Penticton	804	10	443	232	119	0
Port Hardy	437	2	313	41	81	0
Prince Albert	1,354	10	1,230	110	4	0
Prince Rupert	280	23	195	4	58	0
Rankin Inlet	688	114	570	4	0	0
Red Deer Regional	676	47	194	356	79	0
Rouyn-Noranda	751	78	652	15	6	0
Saint John	1,279	276	465	514	24	0
Sept-Îles	1,523	22	1,174	202	125	0
Sioux Lookout	2,213	0	1,903	284	26	0
Smithers	518	2	462	15	39	0
St Catharines	487	13	10	362	102	0
Sudbury	1,924	34	1,615	117	158	0
Terrace	750	10	528	2	210	0
Thompson	2,410	24	2,093	208	85	0
Timmins	1,804	2	1,698	62	42	0
Val-d'Or	799	117	615	34	33	0
Victoria Harbour	1,762	0	1,021	156	585	0
Wabush	627	6	558	28	35	0
Whitecourt	640	10	77	62	491	0
Williams Lake	473	10	413	34	16	0
Total of all flight service stations (52)	51,517	4,161	31,379	10,127	5,849	1

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	1,749	219	145	35	15	13	416	18	0	0
Boundary Bay	3,005	140	148	0	0	1	0	0	0	0
Calgary International	427	409	1,427	1,880	1,089	3,758	7,944	838	446	659
Calgary/Springbank	1,796	152	73	21	0	0	0	0	0	0
Chicoutimi/St-Honoré	346	81	60	2	2	2	0	0	0	0
Edmonton City Centre	962	418	1,532	497	177	19	0	0	0	0
Edmonton International	85	190	567	969	565	2,560	4,792	375	221	174
Edmonton/Villeneuve	376	42	40	0	0	0	0	0	0	0
Fort McMurray	595	474	415	401	229	581	471	4	0	0
Gander International	194	8	150	246	318	280	36	108	20	84
Halifax/Robert L Stanfield International	167	208	329	809	787	1,622	1,704	142	275	92
Hamilton	249	301	174	296	118	25	444	4	518	150
Kelowna	581	42	201	593	54	668	1,014	0	12	0
Kitchener/Waterloo	1,222	137	210	58	185	20	75	6	0	0
Langley	1,109	87	1	0	0	0	0	0	0	0
London	1,991	162	217	53	725	148	158	17	0	0
Moncton/Greater Moncton International	3,520	207	187	282	137	500	204	0	250	0
Montréal/Pierre Elliott Trudeau International	229	128	501	719	2,562	4,881	4,510	1,196	66	1,455
Montréal/St-Hubert	2,058	413	627	133	64	4	17	0	12	0
Oshawa	1,046	40	59	6	2	0	0	0	0	1
Ottawa/Macdonald-Cartier International	1,179	76	837	266	546	2,519	2,368	564	174	178
Pitt Meadows	1,138	14	22	0	0	0	0	0	0	0
Prince George	181	71	178	623	4	343	180	0	0	0
Québec/Jean Lesage International	1,184	298	644	238	1,186	1,145	638	8	6	98
Regina International	311	239	298	328	40	472	765	2	121	0
Saskatoon/John G Diefenbaker International	501	417	692	586	223	841	995	0	91	0
Sault Ste. Marie	240	103	496	52	189	145	13	6	0	0
St. John's International	42	28	246	460	802	123	761	139	109	25
St-Jean	408	106	44	6	0	0	0	0	0	0
Thunder Bay	334	148	2,088	325	134	297	458	2	2	0
Toronto/Buttonville Municipal	1,854	144	227	28	69	17	4	0	0	1
Toronto/City Centre	816	143	498	4	16	1,247	0	2	0	0
Toronto/Lester B Pearson International	10	313	208	1,985	3,115	6,800	13,000	3,727	523	3,228
Vancouver Harbour	56	1,577	699	0	78	0	0	0	0	0
Vancouver International	647	3,209	928	2,702	1,872	3,999	5,557	1,269	574	2,077
Victoria International	1,437	641	187	439	707	868	531	51	36	2
Whitehorse International	132	92	153	38	12	109	208	0	2	0
Windsor	513	185	49	94	287	105	18	2	2	0
Winnipeg/James Armstrong Richardson International	579	417	2,896	432	703	1,403	2,677	263	732	95
Winnipeg/St. Andrews	1,705	507	99	0	1	0	0	4	0	0
Yellowknife	266	450	690	121	280	814	523	135	0	0
Total of NAV CANADA towers (41)	35,240	13,036	19,242	15,727	17,293	36,329	50,481	8,882	4,192	8,319

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	138	10	148	33	8	2	0	4	0	0
Campbell River	413	18	33	356	137	3	0	0	0	0
Castlegar	84	0	14	68	20	149	0	0	0	0
Charlottetown	162	182	23	157	82	241	50	0	0	0
Churchill	14	14	176	118	123	338	0	4	0	0
Cranbrook	41	36	46	238	149	117	2	0	0	0
Deer Lake	33	24	113	157	761	117	106	6	2	0
Fort Nelson	382	94	114	149	98	12	0	0	0	0
Fort St John	486	73	260	240	117	224	0	0	0	0
Fredericton International	2,509	134	179	60	204	376	9	12	0	0
Grande Prairie	457	234	481	142	28	439	181	0	0	0
High Level	140	116	168	144	2	0	0	0	0	0
Îles-de-la-Madeleine	0	74	30	38	142	15	0	0	0	0
Inuvik/Mike Zubko	74	69	539	68	2	38	99	2	0	0
Iqaluit	5	4	209	52	209	341	160	21	99	3
Kamloops	171	67	81	425	201	419	34	0	0	0
Kenora	80	54	452	4	6	1	0	6	0	0
Kingston	676	37	105	301	47	60	0	2	0	0
Kuujuuaq	16	8	482	15	130	46	56	0	66	0
La Grande Rivière	4	0	152	12	134	363	2	0	0	0
La Ronge	25	155	353	131	196	180	0	0	0	0
Lethbridge	313	31	103	273	81	7	0	0	0	0
Lloydminster	165	27	77	87	5	0	0	0	0	0
Medicine Hat	277	23	282	230	14	2	0	0	0	0
Mont-Joli	6	23	124	24	116	27	0	0	0	0
Montréal/Mirabel International	200	142	104	136	68	200	105	13	295	193
Nanaimo	358	218	37	58	47	184	0	0	0	0
Norman Wells	233	89	265	10	6	35	128	0	0	0
North Bay	447	132	204	80	167	113	6	3	2	0
Ottawa/Gatineau	475	29	42	71	0	0	0	0	0	0
Peace River	124	103	263	26	8	0	0	0	0	0
Penticton	345	12	39	229	28	151	0	0	0	0
Port Hardy	39	75	108	77	129	9	0	0	0	0
Prince Albert	40	74	193	319	332	392	0	4	0	0
Prince Rupert	8	40	23	29	73	105	2	0	0	0
Rankin Inlet	4	0	177	103	202	88	114	0	0	0
Red Deer Regional	356	66	138	102	14	0	0	0	0	0
Rouyn-Noranda	15	9	277	0	191	211	48	0	0	0
Saint John	371	162	78	267	66	313	22	0	0	0
Sept-Îles	141	182	416	138	541	105	0	0	0	0
Sioux Lookout	141	189	1,365	518	0	0	0	0	0	0
Smithers	48	6	92	201	58	113	0	0	0	0
St Catharines	406	54	14	2	6	5	0	0	0	0
Sudbury	137	222	1,078	107	71	282	15	12	0	0
Terrace	188	18	51	195	129	169	0	0	0	0
Thompson	87	496	1,182	44	276	325	0	0	0	0
Timmins	85	170	927	63	416	143	0	0	0	0
Val-d'Or	55	41	221	10	293	98	13	0	68	0
Victoria Harbour	23	970	658	0	111	0	0	0	0	0
Wabush	25	34	108	55	400	5	0	0	0	0
Whitecourt	517	64	43	10	4	2	0	0	0	0
Williams Lake	40	8	62	320	37	2	0	4	0	0
Total of all flight service stations (52)	11,579	5,112	12,909	6,692	6,685	6,567	1,152	93	532	196

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Abbotsford							
Domestic	2,571	428	1,089	556	316	155	27
Transborder	34	5	1	2	22	0	4
Other international	5	5	0	0	0	0	0
Total	2,610	438	1,090	558	338	155	31
Boundary Bay							
Domestic	3,283	3	722	2,056	462	31	9
Transborder	11	0	0	3	8	0	0
Other international	0	0	0	0	0	0	0
Total	3,294	3	722	2,059	470	31	9
Calgary International							
Domestic	14,855	12,804	644	407	794	126	80
Transborder	3,400	3,080	76	24	217	2	1
Other international	622	601	10	0	7	0	4
Total	18,877	16,485	730	431	1,018	128	85
Calgary/Springbank							
Domestic	2,013	1	360	1,069	569	8	6
Transborder	29	0	0	3	26	0	0
Other international	0	0	0	0	0	0	0
Total	2,042	1	360	1,072	595	8	6
Chicoutimi/St-Honoré							
Domestic	493	0	193	247	45	6	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	493	0	193	247	45	6	2
Edmonton City Centre							
Domestic	3,563	1,414	477	684	665	308	15
Transborder	40	4	6	0	30	0	0
Other international	2	0	1	1	0	0	0
Total	3,605	1,418	484	685	695	308	15
Edmonton International							
Domestic	8,609	7,924	282	116	238	6	43
Transborder	1,565	1,513	12	2	37	0	1
Other international	324	315	0	0	9	0	0
Total	10,498	9,752	294	118	284	6	44
Edmonton/Villeneuve							
Domestic	458	0	142	237	75	4	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	458	0	142	237	75	4	0
Fort McMurray							
Domestic	3,168	2,182	456	191	283	40	16
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	3,170	2,182	456	191	285	40	16
Gander International							
Domestic	937	362	431	11	21	18	94
Transborder	227	50	0	8	93	2	74
Other international	280	74	5	15	99	2	85
Total	1,444	486	436	34	213	22	253
Halifax/Robert L Stanfield International							
Domestic	4,960	4,258	215	87	152	45	203
Transborder	834	746	1	2	67	0	18
Other international	341	208	86	15	21	1	10
Total	6,135	5,212	302	104	240	46	231

Table 7-1 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Hamilton							
Domestic	1,862	1,191	326	95	142	105	3
Transborder	382	245	48	3	86	0	0
Other international	35	29	1	0	5	0	0
Total	2,279	1,465	375	98	233	105	3
Kelowna							
Domestic	2,917	2,095	268	309	195	42	8
Transborder	226	159	6	6	55	0	0
Other international	22	22	0	0	0	0	0
Total	3,165	2,276	274	315	250	42	8
Kitchener/Waterloo							
Domestic	1,607	219	939	168	250	15	16
Transborder	294	164	30	5	95	0	0
Other international	12	8	1	0	3	0	0
Total	1,913	391	970	173	348	15	16
Langley							
Domestic	1,190	58	58	741	306	26	1
Transborder	6	0	0	2	4	0	0
Other international	1	0	0	0	1	0	0
Total	1,197	58	58	743	311	26	1
London							
Domestic	3,141	850	578	1,296	345	61	11
Transborder	312	244	5	0	61	2	0
Other international	18	18	0	0	0	0	0
Total	3,471	1,112	583	1,296	406	63	11
Moncton/Greater Moncton International							
Domestic	5,198	1,486	3,362	109	120	99	22
Transborder	79	64	0	0	15	0	0
Other international	10	10	0	0	0	0	0
Total	5,287	1,560	3,362	109	135	99	22
Montréal/Pierre Elliott Trudeau International							
Domestic	8,884	7,501	299	369	555	146	14
Transborder	5,427	4,902	102	60	360	0	3
Other international	1,936	1,854	23	12	41	3	3
Total	16,247	14,257	424	441	956	149	20
Montréal/St-Hubert							
Domestic	3,230	1,446	241	864	545	43	91
Transborder	86	24	2	1	57	2	0
Other international	12	4	0	0	7	1	0
Total	3,328	1,474	243	865	609	46	91
Oshawa							
Domestic	1,136	103	34	841	150	4	4
Transborder	18	4	0	1	13	0	0
Other international	0	0	0	0	0	0	0
Total	1,154	107	34	842	163	4	4
Ottawa/Macdonald-Cartier International							
Domestic	6,571	4,542	272	1,001	210	329	217
Transborder	1,865	1,782	12	7	54	4	6
Other international	271	260	1	1	7	0	2
Total	8,707	6,584	285	1,009	271	333	225
Pitt Meadows							
Domestic	1,172	9	316	453	362	16	16
Transborder	2	0	1	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,174	9	317	453	363	16	16

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	1,573	1,182	199	47	76	67	2
Transborder	4	1	0	1	2	0	0
Other international	3	3	0	0	0	0	0
Total	1,580	1,186	199	48	78	67	2
Québec/Jean Lesage International							
Domestic	4,829	3,028	794	383	342	225	57
Transborder	414	375	5	5	16	4	9
Other international	202	184	6	1	10	0	1
Total	5,445	3,587	805	389	368	229	67
Regina International							
Domestic	2,331	1,630	234	24	142	186	115
Transborder	183	144	2	0	31	2	4
Other international	62	62	0	0	0	0	0
Total	2,576	1,836	236	24	173	188	119
Saskatoon/John G Diefenbaker International							
Domestic	4,014	2,664	541	162	217	339	91
Transborder	282	241	2	2	35	0	2
Other international	50	49	0	1	0	0	0
Total	4,346	2,954	543	165	252	339	93
Sault Ste. Marie							
Domestic	1,221	803	150	202	26	20	20
Transborder	20	3	5	1	11	0	0
Other international	3	3	0	0	0	0	0
Total	1,244	809	155	203	37	20	20
St. John's International							
Domestic	2,441	1,555	703	45	65	35	38
Transborder	157	79	0	4	27	0	47
Other international	137	45	7	9	25	1	50
Total	2,735	1,679	710	58	117	36	135
St-Jean							
Domestic	564	155	65	165	160	8	11
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	564	155	65	165	160	8	11
Thunder Bay							
Domestic	3,631	2,559	691	178	65	93	45
Transborder	153	125	11	0	15	0	2
Other international	4	4	0	0	0	0	0
Total	3,788	2,688	702	178	80	93	47
Toronto/Buttonville Municipal							
Domestic	2,196	162	357	1,000	633	42	2
Transborder	146	34	20	7	85	0	0
Other international	2	0	0	0	2	0	0
Total	2,344	196	377	1,007	720	42	2
Toronto/City Centre							
Domestic	2,238	977	508	589	152	4	8
Transborder	488	406	15	1	66	0	0
Other international	0	0	0	0	0	0	0
Total	2,726	1,383	523	590	218	4	8
Toronto/Lester B Pearson International							
Domestic	14,129	13,374	320	96	316	15	8
Transborder	14,322	13,602	91	44	585	0	0
Other international	4,458	4,384	11	16	47	0	0
Total	32,909	31,360	422	156	948	15	8

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	2,368	2,144	181	14	20	4	5
Transborder	42	39	1	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	2,410	2,183	182	14	22	4	5
Vancouver International							
Domestic	17,109	14,983	1,191	196	337	368	34
Transborder	4,209	3,952	15	9	227	3	3
Other international	1,516	1,464	12	6	17	16	1
Total	22,834	20,399	1,218	211	581	387	38
Victoria International							
Domestic	4,419	2,276	1,154	450	409	47	83
Transborder	464	362	8	9	84	0	1
Other international	16	10	3	2	0	1	0
Total	4,899	2,648	1,165	461	493	48	84
Whitehorse International							
Domestic	721	586	85	2	33	12	3
Transborder	22	9	2	0	10	0	1
Other international	3	3	0	0	0	0	0
Total	746	598	87	2	43	12	4
Windsor							
Domestic	1,196	492	516	38	130	18	2
Transborder	48	12	9	4	21	0	2
Other international	11	8	1	0	2	0	0
Total	1,255	512	526	42	153	18	4
Winnipeg/James Armstrong Richardson International							
Domestic	8,967	7,516	596	69	145	311	330
Transborder	1,125	1,039	14	24	41	4	3
Other international	105	103	0	2	0	0	0
Total	10,197	8,658	610	95	186	315	333
Winnipeg/St. Andrews							
Domestic	2,315	546	1,213	437	103	4	12
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	2,316	546	1,213	437	104	4	12
Yellowknife							
Domestic	3,277	2,806	256	93	15	66	41
Transborder	2	1	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	3,279	2,807	256	93	16	66	41
Total of NAV CANADA towers (41)							
Domestic	161,357	108,314	21,458	16,097	10,186	3,497	1,805
Transborder	36,921	33,410	502	240	2,563	25	181
Other international	10,463	9,730	168	81	303	25	156
Total	208,741	151,454	22,128	16,418	13,052	3,547	2,142

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	338	98	90	11	48	31	60
Transborder	4	0	0	0	4	0	0
Other international	1	0	0	0	1	0	0
Total	343	98	90	11	53	31	60
Campbell River							
Domestic	951	472	125	174	146	26	8
Transborder	9	0	0	0	9	0	0
Other international	0	0	0	0	0	0	0
Total	960	472	125	174	155	26	8
Castlegar							
Domestic	330	235	28	50	10	5	2
Transborder	5	0	0	0	4	1	0
Other international	0	0	0	0	0	0	0
Total	335	235	28	50	14	6	2
Charlottetown							
Domestic	896	631	83	56	82	24	20
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	897	632	83	56	82	24	20
Churchill							
Domestic	786	727	20	8	7	2	22
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	787	727	20	8	8	2	22
Cranbrook							
Domestic	612	540	29	4	25	4	10
Transborder	17	16	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	629	556	29	4	26	4	10
Deer Lake							
Domestic	1,319	1,089	171	38	7	12	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,319	1,089	171	38	7	12	2
Fort Nelson							
Domestic	848	330	259	190	34	6	29
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	849	330	259	190	35	6	29
Fort St John							
Domestic	1,399	760	453	59	103	20	4
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,400	761	453	59	103	20	4
Fredericton International							
Domestic	3,468	717	2,465	116	61	53	56
Transborder	15	0	0	2	13	0	0
Other international	0	0	0	0	0	0	0
Total	3,483	717	2,465	118	74	53	56
Grande Prairie							
Domestic	1,962	1,156	523	34	229	20	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,962	1,156	523	34	229	20	0

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
High Level							
Domestic	570	176	355	4	15	18	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	570	176	355	4	15	18	2
Îles-de-la-Madeleine							
Domestic	299	215	22	18	6	36	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	299	215	22	18	6	36	2
Inuvik/Mike Zubko							
Domestic	891	292	556	14	1	26	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	891	292	556	14	1	26	2
Iqaluit							
Domestic	1,040	835	87	51	12	35	20
Transborder	20	7	4	0	9	0	0
Other international	43	9	0	11	21	0	2
Total	1,103	851	91	62	42	35	22
Kamloops							
Domestic	1,388	1,087	108	35	105	42	11
Transborder	10	0	0	0	10	0	0
Other international	0	0	0	0	0	0	0
Total	1,398	1,087	108	35	115	42	11
Kenora							
Domestic	601	328	218	10	11	14	20
Transborder	2	0	1	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	603	328	219	10	12	14	20
Kingston							
Domestic	1,221	372	432	257	120	22	18
Transborder	7	0	0	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	1,228	372	432	257	127	22	18
Kuujuuaq							
Domestic	819	754	16	7	10	24	8
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	819	754	16	7	10	24	8
La Grande Rivière							
Domestic	667	551	96	2	8	10	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	667	551	96	2	8	10	0
La Ronge							
Domestic	1,040	947	4	5	15	69	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,040	947	4	5	15	69	0
Lethbridge							
Domestic	768	381	10	247	97	13	20
Transborder	39	1	2	1	35	0	0
Other international	1	0	0	0	1	0	0
Total	808	382	12	248	133	13	20
Lloydminster							
Domestic	360	140	72	8	122	14	4
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	361	140	72	8	123	14	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	823	627	42	20	108	10	16
Transborder	5	0	1	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	828	627	43	20	112	10	16
Mont-Joli							
Domestic	320	252	41	0	9	18	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	320	252	41	0	9	18	0
Montréal/Mirabel International							
Domestic	1,234	597	243	49	269	4	72
Transborder	208	202	1	1	4	0	0
Other international	14	9	0	1	1	0	3
Total	1,456	808	244	51	274	4	75
Nanaimo							
Domestic	890	347	226	54	219	44	0
Transborder	12	1	0	0	11	0	0
Other international	0	0	0	0	0	0	0
Total	902	348	226	54	230	44	0
Norman Wells							
Domestic	766	507	179	71	1	8	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	766	507	179	71	1	8	0
North Bay							
Domestic	1,143	425	343	196	144	5	30
Transborder	11	3	0	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	1,154	428	343	196	152	5	30
Ottawa/Gatineau							
Domestic	615	79	72	164	243	53	4
Transborder	2	0	0	1	1	0	0
Other international	0	0	0	0	0	0	0
Total	617	79	72	165	244	53	4
Peace River							
Domestic	524	353	116	8	23	22	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	524	353	116	8	23	22	2
Penticton							
Domestic	795	405	214	45	101	22	8
Transborder	9	0	0	0	9	0	0
Other international	0	0	0	0	0	0	0
Total	804	405	214	45	110	22	8
Port Hardy							
Domestic	436	317	38	3	21	42	15
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	437	317	38	3	22	42	15
Prince Albert							
Domestic	1,354	1,128	58	16	48	98	6
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,354	1,128	58	16	48	98	6
Prince Rupert							
Domestic	276	192	43	6	3	30	2
Transborder	4	0	1	0	1	0	2
Other international	0	0	0	0	0	0	0

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Total	280	192	44	6	4	30	4
Rankin Inlet							
Domestic	688	676	0	0	4	8	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	688	676	0	0	4	8	0
Red Deer Regional							
Domestic	665	152	250	49	193	8	13
Transborder	11	3	2	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	676	155	252	49	199	8	13
Rouyn-Noranda							
Domestic	749	511	146	5	55	30	2
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	751	511	146	5	57	30	2
Saint John							
Domestic	1,224	674	307	88	132	12	11
Transborder	53	1	0	2	50	0	0
Other international	2	0	0	0	1	0	1
Total	1,279	675	307	90	183	12	12
Sept-Îles							
Domestic	1,519	1,147	264	24	28	48	8
Transborder	3	0	0	0	3	0	0
Other international	1	0	0	0	1	0	0
Total	1,523	1,147	264	24	32	48	8
Sioux Lookout							
Domestic	2,212	1,834	322	33	11	10	2
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	2,213	1,835	322	33	11	10	2
Smithers							
Domestic	517	417	33	14	17	18	18
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	518	417	33	14	18	18	18
St Catharines							
Domestic	475	3	237	35	97	8	95
Transborder	12	4	0	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	487	7	237	35	105	8	95
Sudbury							
Domestic	1,915	1,315	418	12	100	52	18
Transborder	9	0	1	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	1,924	1,315	419	12	108	52	18
Terrace							
Domestic	749	507	201	13	4	20	4
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	750	508	201	13	4	20	4
Thompson							
Domestic	2,410	2,096	184	2	5	123	0
Transborder	0	0	0	0	0	0	0

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Other international	0	0	0	0	0	0	0
Total	2,410	2,096	184	2	5	123	0
Timmins							
Domestic	1,801	1,511	224	2	47	17	0
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	1,804	1,511	224	2	50	17	0
Val-d'Or							
Domestic	799	645	54	27	45	24	4
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	799	645	54	27	45	24	4
Victoria Harbour							
Domestic	1,641	1,534	9	0	7	85	6
Transborder	121	0	0	0	121	0	0
Other international	0	0	0	0	0	0	0
Total	1,762	1,534	9	0	128	85	6
Wabush							
Domestic	627	507	67	4	43	4	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	627	507	67	4	43	4	2
Whitecourt							
Domestic	640	37	342	235	18	6	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	640	37	342	235	18	6	2
Williams Lake							
Domestic	470	395	24	0	33	12	6
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	473	395	24	0	36	12	6
Total of all flight service stations (52)							
Domestic	50,850	32,023	10,919	2,573	3,302	1,367	666
Transborder	605	242	13	7	340	1	2
Other international	62	18	0	12	26	0	6
Total	51,517	32,283	10,932	2,592	3,668	1,368	674

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	14	5,945	3	14	123	4	735
Boundary Bay	9	9,096	5	13	107	16	776
Calgary International	3	19,007	14	14	70	11	762
Calgary/Springbank	20	4,710	4	14	98	11	632
Chicoutimi/St-Honoré	40	1,283	1	14	53	2	384
Edmonton City Centre	25	3,747	3	19	63	3	358
Edmonton International	6	10,586	10	8	42	4	452
Edmonton/Villeneuve	38	1,752	3	15	73	3	271
Fort McMurray	26	3,412	18	13	45	11	212
Gander International	36	1,806	17	14	28	4	177
Halifax/Robert L Stanfield International	13	6,567	3	21	35	3	322
Hamilton	32	2,761	2	10	34	5	176
Kelowna	23	4,198	2	11	57	2	270
Kitchener/Waterloo	24	3,983	29	13	70	16	388
Langley	28	3,295	2	15	71	3	382
London	11	7,342	11	15	104	11	806
Moncton/Greater Moncton International	8	9,985	9	13	79	3	802
Montréal/Pierre Elliott Trudeau International	4	16,247	18	18	60	18	662
Montréal/St-Hubert	15	5,886	18	14	105	18	867
Oshawa	30	3,038	3	18	62	16	391
Ottawa/Macdonald-Cartier International	7	10,366	8	15	70	16	586
Pitt Meadows	27	3,324	11	13	122	11	529
Prince George	34	2,110	8	15	58	8	262
Québec/Jean Lesage International	12	6,685	5	11	70	5	506
Regina International	29	3,154	6	12	27	1	197
Saskatoon/John G Diefenbaker International	17	5,228	10	17	52	4	325
Sault Ste. Marie	37	1,774	9	19	75	9	215
St. John's International	31	3,026	6	15	41	3	166
St-Jean	39	1,368	8	10	171	6	219
Thunder Bay	18	4,751	3	18	72	3	463
Toronto/Buttonville Municipal	21	4,658	16	10	83	16	691
Toronto/City Centre	19	4,720	13	11	71	20	343
Toronto/Lester B Pearson International	1	32,909	2	18	89	18	1,249
Vancouver Harbour	33	2,410	3	8	25	11	149
Vancouver International	2	22,834	11	7	87	11	986
Victoria International	10	8,385	3	15	124	3	651
Whitehorse International	41	880	15	12	26	1	62
Windsor	35	1,931	16	11	40	11	167
Winnipeg/James Armstrong Richardson International	5	10,863	16	15	45	11	522
Winnipeg/St. Andrews	16	5,755	18	13	78	17	453
Yellowknife	22	4,211	13	10	57	2	273

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	43	573	8	16	42	8	120
Campbell River	22	1,356	2	13	40	3	219
Castlegar	50	335	3	11	8	3	30
Charlottetown	27	1,041	17	9	18	6	83
Churchill	34	787	18	11	8	11	45
Cranbrook	39	635	24	13	8	19	36
Deer Lake	17	1,553	4	14	30	5	106
Fort Nelson	29	937	16	9	38	16	76
Fort St John	18	1,429	3	9	21	3	86
Fredericton International	1	5,804	6	8	57	3	480
Grande Prairie	4	2,366	18	11	47	2	189
High Level	41	610	8	12	13	10	47
Îles-de-la-Madeleine	52	311	3	10	7	3	21
Inuvik/Mike Zubko	30	913	10	13	18	10	69
Iqaluit	25	1,129	12	15	13	8	63
Kamloops	14	1,742	26	13	29	9	124
Kenora	42	605	12	12	7	12	35
Kingston	6	2,100	2	15	57	16	192
Kuujuuaq	32	849	15	12	11	4	43
La Grande Rivière	38	667	8	10	7	23	48
La Ronge	26	1,128	17	11	21	3	81
Lethbridge	23	1,324	4	9	36	11	162
Lloydminster	48	469	7	14	22	4	70
Medicine Hat	20	1,372	11	14	37	2	150
Mont-Joli	51	334	2	14	8	2	36
Montréal/Mirabel International	8	2,032	11	12	38	11	210
Nanaimo	28	1,026	11	12	32	11	130
Norman Wells	12	1,840	11	16	26	3	138
North Bay	2	2,846	8	13	80	8	439
Ottawa/Gatineau	9	2,029	10	15	63	16	224
Peace River	44	540	16	14	10	3	39
Penticton	16	1,580	2	11	50	2	315
Port Hardy	47	471	1	12	16	2	40
Prince Albert	21	1,366	15	8	12	2	86
Prince Rupert	49	382	2	14	25	2	53
Rankin Inlet	37	694	22	13	10	1	41
Red Deer Regional	24	1,182	10	10	44	11	166
Rouyn-Noranda	36	755	5	15	8	16	43
Saint John	19	1,405	26	15	19	5	112
Sept-Îles	15	1,583	17	9	21	17	98
Sioux Lookout	5	2,229	3	17	15	19	109
Smithers	45	536	3	10	16	15	44
St Catharines	33	839	13	12	44	13	144
Sudbury	7	2,066	31	12	27	5	120
Terrace	35	758	15	15	12	2	48
Thompson	3	2,428	15	15	14	12	113
Timmins	11	1,856	18	16	19	18	124
Val-d'Or	31	905	2	10	32	2	88
Victoria Harbour	13	1,762	12	9	19	11	114
Wabush	40	629	3	13	7	5	41
Whitecourt	10	1,858	16	15	66	16	279
Williams Lake	46	499	24	13	13	8	40

Table 9-1
Itinerant aircraft movements, peak hour and peak day — NAV CANADA towers

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	23	2,610	3	15	47	4	311
Boundary Bay	17	3,294	11	15	56	16	338
Calgary International	3	18,877	16	18	61	11	762
Calgary/Springbank	29	2,042	11	14	37	11	268
Chicoutimi/St-Honoré	40	493	9	10	16	3	69
Edmonton City Centre	14	3,605	3	16	26	3	276
Edmonton International	5	10,498	10	8	42	4	444
Edmonton/Villeneuve	41	458	3	15	13	3	65
Fort McMurray	19	3,170	18	16	23	4	198
Gander International	32	1,444	4	14	18	4	99
Halifax/Robert L Stanfield International	8	6,135	18	12	27	23	284
Hamilton	28	2,279	11	12	16	18	134
Kelowna	20	3,165	2	11	17	2	160
Kitchener/Waterloo	30	1,913	10	14	26	16	170
Langley	35	1,197	3	14	30	3	146
London	15	3,471	11	15	36	11	266
Moncton/Greater Moncton International	10	5,287	3	11	33	3	398
Montréal/Pierre Elliott Trudeau International	4	16,247	18	18	60	18	662
Montréal/St-Hubert	16	3,328	18	12	51	18	393
Oshawa	37	1,154	5	15	21	16	139
Ottawa/Macdonald-Cartier International	7	8,707	8	15	40	16	442
Pitt Meadows	36	1,174	4	13	43	11	195
Prince George	31	1,580	10	15	24	10	100
Québec/Jean Lesage International	9	5,445	11	15	33	5	324
Regina International	24	2,576	18	16	15	16	124
Saskatoon/John G Diefenbaker International	12	4,346	11	17	26	4	225
Sault Ste. Marie	34	1,244	12	12	14	12	93
St. John's International	21	2,735	3	9	12	17	138
St-Jean	39	564	29	14	15	5	60
Thunder Bay	13	3,788	1	15	22	3	201
Toronto/Buttonville Municipal	26	2,344	16	16	38	16	291
Toronto/City Centre	22	2,726	20	14	24	5	166
Toronto/Lester B Pearson International	1	32,909	2	18	89	18	1,249
Vancouver Harbour	25	2,410	3	8	25	11	149
Vancouver International	2	22,834	11	7	87	11	986
Victoria International	11	4,899	4	11	35	4	333
Whitehorse International	38	746	22	13	10	1	48
Windsor	33	1,255	11	15	13	11	83
Winnipeg/James Armstrong Richardson International	6	10,197	1	9	37	17	445
Winnipeg/St. Andrews	27	2,316	6	12	35	8	162
Yellowknife	18	3,279	1	10	21	17	164

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	48	343	11	11	10	11	44
Campbell River	19	960	2	13	14	3	95
Castlegar	49	335	3	11	8	3	30
Charlottetown	21	897	6	14	10	6	77
Churchill	29	787	18	11	8	11	45
Cranbrook	37	629	24	13	8	19	36
Deer Lake	13	1,319	5	8	11	3	61
Fort Nelson	23	849	11	14	11	30	62
Fort St John	10	1,400	3	9	21	3	86
Fredericton International	1	3,483	3	10	25	3	260
Grande Prairie	4	1,962	18	9	15	11	113
High Level	41	570	24	12	11	2	39
Îles-de-la-Madeleine	51	299	4	13	4	23	18
Inuvik/Mike Zubko	22	891	11	12	9	19	58
Iqaluit	17	1,103	12	15	9	8	63
Kamloops	11	1,398	3	14	11	19	70
Kenora	40	603	12	12	7	12	35
Kingston	15	1,228	18	14	16	16	96
Kuujuuaq	25	819	12	11	7	19	42
La Grande Rivière	35	667	8	10	7	23	48
La Ronge	18	1,040	4	10	14	4	69
Lethbridge	26	808	11	14	11	11	84
Lloydminster	47	361	5	13	9	5	29
Medicine Hat	24	828	3	14	16	3	81
Mont-Joli	50	320	16	18	6	4	26
Montréal/Mirabel International	9	1,456	13	15	16	18	108
Nanaimo	20	902	11	12	18	11	104
Norman Wells	30	766	17	12	12	12	45
North Bay	16	1,154	18	14	18	10	108
Ottawa/Gatineau	39	617	18	14	13	20	57
Peace River	42	524	16	14	10	3	39
Penticton	27	804	3	11	13	3	74
Port Hardy	46	437	3	13	6	10	35
Prince Albert	12	1,354	15	8	12	2	86
Prince Rupert	52	280	2	13	6	2	25
Rankin Inlet	33	688	22	13	10	1	41
Red Deer Regional	34	676	11	12	15	11	70
Rouyn-Noranda	31	751	4	17	7	16	43
Saint John	14	1,279	26	15	15	3	96
Sept-Îles	8	1,523	9	10	15	11	88
Sioux Lookout	3	2,213	3	17	15	19	109
Smithers	43	518	15	11	11	15	44
St Catharines	44	487	13	12	16	13	66
Sudbury	5	1,924	5	18	14	5	112
Terrace	32	750	3	15	11	2	48
Thompson	2	2,410	15	15	14	12	113
Timmins	6	1,804	10	15	14	10	110
Val-d'Or	28	799	16	11	10	16	52
Victoria Harbour	7	1,762	12	9	19	11	114
Wabush	38	627	3	13	7	5	41
Whitecourt	36	640	3	14	15	3	61
Williams Lake	45	473	2	9	7	8	28

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	3,335	3	14	88	4	424
Boundary Bay	1	5,802	15	19	90	15	576
Calgary International	36	130	17	11	20	14	22
Calgary/Springbank	7	2,668	4	14	68	11	364
Chicoutimi/St-Honoré	23	790	2	20	52	2	320
Edmonton City Centre	34	142	3	19	54	3	82
Edmonton International	37	88	17	16	16	17	22
Edmonton/Villeneuve	16	1,294	3	15	60	3	206
Fort McMurray	33	242	18	13	24	11	39
Gander International	31	362	17	14	20	4	78
Halifax/Robert L Stanfield International	30	432	9	9	18	9	74
Hamilton	29	482	2	10	24	5	60
Kelowna	18	1,033	2	11	40	1	130
Kitchener/Waterloo	12	2,070	29	13	46	8	220
Langley	11	2,098	2	15	60	3	236
London	3	3,871	11	15	68	11	540
Moncton/Greater Moncton International	2	4,698	5	13	52	3	404
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	8	2,558	18	17	66	18	474
Oshawa	14	1,884	16	18	54	16	252
Ottawa/Macdonald-Cartier International	15	1,659	8	13	36	8	192
Pitt Meadows	10	2,150	11	13	84	11	334
Prince George	27	530	8	15	50	8	164
Québec/Jean Lesage International	17	1,240	5	11	44	5	182
Regina International	26	578	6	12	22	1	74
Saskatoon/John G Diefenbaker International	21	882	1	18	38	12	132
Sault Ste. Marie	28	530	9	19	70	9	154
St. John's International	32	291	6	15	38	6	69
St-Jean	22	804	8	10	164	8	190
Thunder Bay	19	963	1	18	60	3	262
Toronto/Buttonville Municipal	9	2,314	3	19	58	16	400
Toronto/City Centre	13	1,994	6	10	56	20	222
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	4	3,486	3	15	96	3	364
Whitehorse International	35	134	15	12	20	4	24
Windsor	24	676	16	11	30	11	84
Winnipeg/James Armstrong Richardson International	25	666	19	14	20	11	84
Winnipeg/St. Andrews	5	3,439	1	14	52	17	314
Yellowknife	20	932	13	10	50	13	148

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	17	230	8	16	40	8	94
Campbell River	13	396	10	13	34	3	124
Castlegar	0	0	0	0	0	0	0
Charlottetown	18	144	17	9	14	30	28
Churchill	0	0	0	0	0	0	0
Cranbrook	45	6	11	14	6	11	6
Deer Lake	16	234	5	13	26	5	46
Fort Nelson	26	88	16	9	28	16	28
Fort St John	32	29	2	16	12	9	14
Fredericton International	1	2,321	6	8	42	3	220
Grande Prairie	12	404	2	17	36	2	86
High Level	29	40	6	15	10	8	14
Îles-de-la-Madeleine	42	12	3	9	4	3	8
Inuvik/Mike Zubko	35	22	10	13	12	10	12
Iqaluit	33	26	18	13	6	18	6
Kamloops	15	344	3	16	22	9	62
Kenora	48	2	16	9	2	16	2
Kingston	6	872	2	15	48	11	106
Kuujuuaq	31	30	15	12	6	4	8
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	25	88	17	11	12	17	16
Lethbridge	10	516	4	9	32	11	78
Lloydminster	22	108	4	14	20	4	46
Medicine Hat	9	544	11	14	30	2	110
Mont-Joli	40	14	2	14	8	2	14
Montréal/Mirabel International	8	576	11	12	36	11	106
Nanaimo	21	124	11	12	14	11	26
Norman Wells	5	1,074	9	8	24	3	96
North Bay	2	1,692	8	13	68	8	332
Ottawa/Gatineau	3	1,412	10	15	60	16	174
Peace River	39	16	10	12	6	10	6
Penticton	7	776	2	11	42	2	248
Port Hardy	30	34	1	12	12	1	12
Prince Albert	41	12	26	14	6	26	6
Prince Rupert	24	102	2	14	20	1	28
Rankin Inlet	44	6	13	7	6	13	6
Red Deer Regional	11	506	10	10	36	11	96
Rouyn-Noranda	46	4	5	15	4	5	4
Saint John	20	126	5	10	12	30	34
Sept-Îles	27	60	17	9	12	17	12
Sioux Lookout	38	16	24	10	10	24	10
Smithers	37	18	3	10	14	3	14
St Catharines	14	352	13	12	28	13	78
Sudbury	19	142	31	12	22	7	40
Terrace	43	8	15	14	4	15	8
Thompson	36	18	4	11	4	4	4
Timmins	28	52	18	12	10	18	24
Val-d'Or	23	106	2	10	30	2	54
Victoria Harbour	0	0	0	0	0	0	0
Wabush	47	2	29	23	2	29	2
Whitecourt	4	1,218	16	15	58	16	238
Williams Lake	34	26	24	13	10	8	12

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	5	3,335	3	14	88	4	424
Boundary Bay	1	5,802	15	19	90	15	576
Calgary International	36	130	17	11	20	14	22
Calgary/Springbank	7	2,668	4	14	68	11	364
Chicoutimi/St-Honoré	23	788	2	20	52	2	320
Edmonton City Centre	34	142	3	19	54	3	82
Edmonton International	37	88	17	16	16	17	22
Edmonton/Villeneuve	16	1,294	3	15	60	3	206
Fort McMurray	33	242	18	13	24	11	39
Gander International	32	252	4	11	18	4	72
Halifax/Robert L Stanfield International	30	382	9	9	18	9	64
Hamilton	28	478	2	10	24	5	60
Kelowna	18	1,028	2	11	40	1	128
Kitchener/Waterloo	12	2,070	29	13	46	8	220
Langley	11	2,098	2	15	60	3	236
London	3	3,869	11	15	68	11	540
Moncton/Greater Moncton International	2	4,698	5	13	52	3	404
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	8	2,558	18	17	66	18	474
Oshawa	14	1,884	16	18	54	16	252
Ottawa/Macdonald-Cartier International	15	1,643	8	13	36	8	192
Pitt Meadows	10	2,150	11	13	84	11	334
Prince George	27	530	8	15	50	8	164
Québec/Jean Lesage International	17	1,236	5	11	44	5	182
Regina International	25	574	6	12	22	1	74
Saskatoon/John G Diefenbaker International	21	850	1	18	36	12	132
Sault Ste. Marie	26	530	9	19	70	9	154
St. John's International	31	289	6	15	38	6	69
St-Jean	22	804	8	10	164	8	190
Thunder Bay	19	949	1	18	60	3	262
Toronto/Buttonville Municipal	9	2,314	3	19	58	16	400
Toronto/City Centre	13	1,994	6	10	56	20	222
Toronto/Lester B Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	0	0	0	0	0	0	0
Vancouver International	0	0	0	0	0	0	0
Victoria International	6	3,316	3	15	88	3	344
Whitehorse International	35	134	15	12	20	4	24
Windsor	24	676	16	11	30	11	84
Winnipeg/James Armstrong Richardson International	29	402	19	14	20	22	48
Winnipeg/St. Andrews	4	3,439	1	14	52	17	314
Yellowknife	20	886	13	10	50	13	148

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	17	208	8	16	40	8	94
Campbell River	13	396	10	13	34	3	124
Castlegar	0	0	0	0	0	0	0
Charlottetown	18	144	17	9	14	30	28
Churchill	0	0	0	0	0	0	0
Cranbrook	44	6	11	14	6	11	6
Deer Lake	16	234	5	13	26	5	46
Fort Nelson	25	88	16	9	28	16	28
Fort St John	31	29	2	16	12	9	14
Fredericton International	1	2,321	6	8	42	3	220
Grande Prairie	12	404	2	17	36	2	86
High Level	29	40	6	15	10	8	14
Îles-de-la-Madeleine	41	12	3	9	4	3	8
Inuvik/Mike Zubko	35	22	10	13	12	10	12
Iqaluit	32	26	18	13	6	18	6
Kamloops	15	344	3	16	22	9	62
Kenora	47	2	16	9	2	16	2
Kingston	6	858	2	15	48	29	106
Kuujuuaq	30	30	15	12	6	4	8
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	26	88	17	11	12	17	16
Lethbridge	10	506	4	9	32	11	78
Lloydminster	22	108	4	14	20	4	46
Medicine Hat	9	540	11	14	30	2	110
Mont-Joli	40	14	2	14	8	2	14
Montréal/Mirabel International	8	542	11	12	36	11	106
Nanaimo	21	124	11	12	14	11	26
Norman Wells	5	1,074	9	8	24	3	96
North Bay	2	1,690	8	13	68	8	332
Ottawa/Gatineau	3	1,412	10	15	60	16	174
Peace River	38	16	10	12	6	10	6
Penticton	7	776	2	11	42	2	248
Port Hardy	33	24	1	12	12	1	12
Prince Albert	42	10	26	14	6	26	6
Prince Rupert	24	102	2	14	20	1	28
Rankin Inlet	45	6	13	7	6	13	6
Red Deer Regional	11	506	10	10	36	11	96
Rouyn-Noranda	46	4	5	15	4	5	4
Saint John	20	126	5	10	12	30	34
Sept-Îles	27	60	17	9	12	17	12
Sioux Lookout	39	16	24	10	10	24	10
Smithers	36	18	3	10	14	3	14
St Catharines	14	352	13	12	28	13	78
Sudbury	19	142	31	12	22	7	40
Terrace	43	8	15	14	4	15	8
Thompson	37	18	4	11	4	4	4
Timmins	28	52	18	12	10	18	24
Val-d'Or	23	106	2	10	30	2	54
Victoria Harbour	0	0	0	0	0	0	0
Wabush	48	2	29	23	2	29	2
Whitecourt	4	1,218	16	15	58	16	238
Williams Lake	34	24	24	13	10	8	12

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	15	2	16	13	2	16	2
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	110	23	9	12	9	20
Halifax/Robert L Stanfield International	4	50	3	0	10	3	12
Hamilton	10	4	12	12	4	12	4
Kelowna	9	5	1	9	2	1	2
Kitchener/Waterloo	0	0	0	0	0	0	0
Langley	0	0	0	0	0	0	0
London	13	2	8	15	2	8	2
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	0	0	0	0	0	0	0
Oshawa	0	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	7	16	11	10	8	11	12
Pitt Meadows	0	0	0	0	0	0	0
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	12	4	16	10	2	16	2
Regina International	11	4	2	16	4	2	4
Saskatoon/John G Diefenbaker International	6	32	10	17	14	10	14
Sault Ste. Marie	0	0	0	0	0	0	0
St. John's International	14	2	24	13	2	24	2
St-Jean	0	0	0	0	0	0	0
Thunder Bay	8	14	7	16	6	7	6
Toronto/Buttonville Municipal	0	0	0	0	0	0	0
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	2	170	11	16	22	15	46
Whitehorse International	0	0	0	0	0	0	0
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	1	264	17	9	18	17	46
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	5	46	2	10	8	2	22

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	2	22	18	20	22	18	22
Campbell River	0	0	0	0	0	0	0
Castlegar	0	0	0	0	0	0	0
Charlottetown	0	0	0	0	0	0	0
Churchill	0	0	0	0	0	0	0
Cranbrook	0	0	0	0	0	0	0
Deer Lake	0	0	0	0	0	0	0
Fort Nelson	0	0	0	0	0	0	0
Fort St John	0	0	0	0	0	0	0
Fredericton International	0	0	0	0	0	0	0
Grande Prairie	0	0	0	0	0	0	0
High Level	0	0	0	0	0	0	0
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	0	0	0	0	0	0	0
Iqaluit	0	0	0	0	0	0	0
Kamloops	0	0	0	0	0	0	0
Kenora	0	0	0	0	0	0	0
Kingston	3	14	11	10	8	11	8
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	4	10	20	17	10	20	10
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	6	4	20	15	4	20	4
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	1	34	18	12	10	18	22
Nanaimo	0	0	0	0	0	0	0
Norman Wells	0	0	0	0	0	0	0
North Bay	7	2	16	15	2	16	2
Ottawa/Gatineau	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	0
Penticton	0	0	0	0	0	0	0
Port Hardy	5	10	3	12	10	3	10
Prince Albert	8	2	7	15	2	7	2
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	0	0	0	0	0	0	0
Rouyn-Noranda	0	0	0	0	0	0	0
Saint John	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	9	2	9	19	2	9	2

Methodology

Survey universe

Coverage

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

Methodology survey

The Itinerant movement record is designed to capture:

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

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

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

Processing of aircraft movement statistics involves several stages. Preliminary monthly data by class of operation are released in **Preliminary aircraft movement statistics**, catalogue no. 51F0001P (TP-1496 (NAV CANADA towered airports only)). Data which follow in **Aircraft movement statistics - Monthly** report, catalogue nos. 51-007-X and 51-008-X (TP-141) may contain revisions to the originally released figures. Annual tables, which may reflect further revisions, are released in the publication, **Aircraft movement statistics - 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 TP-577, they are contained in the five year historical summary of subsequent editions of TP-577. 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

Air Canada has cancelled 10 routes and suspended three other routes this winter in order to reduce fuel costs.

Zoom Airlines suspended operations effective August 28, 2008.

Sudbury, Ontario – As of June 2008, data for Sudbury are found in tables relating to Nav Canada Flight Service Stations.

Fort McMurray, Alberta – As of October 2008, data for Fort McMurray are found in tables relating to Nav Canada Towers.

Montréal/Mirabel International, Quebec – As of December 2008, data for Montréal/Mirabel International are found in tables relating to Nav Canada Flight Service Stations.

Kuujuarapik, Quebec – As of December 2008, data for Kuujuarapik are found in Catalogue no. 51-008, Aircraft Movement Statistics: Airports Without Air Traffic Control Towers.

St Anthony, Newfoundland and Labrador – As of December 2008, data for St Anthony are found in Catalogue no. 51-008, Aircraft Movement Statistics: Airports Without Air Traffic Control 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 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 "state" 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.

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 Mirabel airport from London, England would appear under "other international". If the same aircraft moved on to Toronto, both the departure at Mirabel and the arrival at Toronto would be shown as "domestic".

Itinerant movements

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 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 any totals in this publication.

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.

Weight group

The classification of weight classes in groups for statistical purposes.