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



December 2013



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Statistics Canada
Transportation Division

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

December 2013

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Symbols

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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
- * significantly different from reference category ($p < 0.05$)

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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 2.6% in December 2013 from the same month the previous year. These 92 airports reported 321,127 movements in December 2013 compared with 329,573 movements at 93 airports in December 2012. (Edmonton City Centre air traffic control tower officially closed November 30th, 2013.)

Itinerant movements (flights from one airport to another) decreased 1.2% (-3,073 movements) in December 2013 from the same month the previous year. These airports reported 255,359 movements compared with 258,432 movements in December 2012.

There were 65,768 local movements (flights that remain in the vicinity of the airport) in December 2013 compared with 71,141 movements in December 2012 (a decrease of 7.6 %).

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

	NAV CANADA towers		NAV CANADA Flight Service Stations		Total	
	number	Percentage change, December 2012 to December 2013	number	Percentage change, December 2012 to December 2013	number	Percentage change, December 2012 to December 2013
Grand total	259,178	-2.9	61,949	-1.3	321,127	-2.6
Itinerant movements						
Air carriers	182,451	0.7	40,783	-0.8	223,234	0.5
Other commercial movements	9,053	-16.3	1,578	-9.7	10,631	-15.4
Private movements	12,459	-10.0	3,809	-10.1	16,268	-10.0
Government civil movements	2,644	-11.7	1,168	0.5	3,812	-8.3
Government military movements	1,239	4.5	175	-22.2	1,414	0.2
Itinerant total	207,846	-1.0	47,513	-2.0	255,359	-1.2
Local movements						
Civil local movements	51,134	-9.6	14,404	1.5	65,538	-7.4
Military local movements	198	-22.0	32	-69.8	230	-36.1
Local total	51,332	-9.7	14,436	1.0	65,768	-7.6

Analysis

Aircraft take-offs and landings at Canadian airports with NAV CANADA air traffic control towers and flight service stations decreased 2.6% in December 2013 from the same month the previous year. These 92 airports reported 321,127 movements in December 2013 compared with 329,573 movements at 93 airports in December 2012. (Edmonton City Centre air traffic control tower officially closed November 30th, 2013.)

Itinerant movements (flights from one airport to another) decreased 1.2% (-3,073 movements) in December 2013 from the same month the previous year. These airports reported 255,359 movements compared with 258,432 movements in December 2012. Year-over-year variations ranged from an increase of 1,717 movements (+15.1%) at Edmonton International, Alberta to a drop of 1,661 movements (-44.0%) at Calgary/Springbank, Alberta. Fifty airports reported year-over-year decreases in the number of itinerant aircraft movements in December 2013.

In December 2013, there were 65,768 local movements (flights that remain in the vicinity of the airport) recorded. This represents a decrease of 7.6% (-5,373 movements) compared with the previous year. Victoria International, British Columbia (5,446 movements) and Abbotsford, British Columbia (3,412 movements) recorded the largest number of local movements.

Itinerant movements: domestic, transborder and international

There were 204,180 domestic itinerant movements reported by 92 Canadian airports with NAV CANADA air traffic control towers and flight service stations in December 2013, down 1.5% (-3,166 movements) from December 2012. Year-over-year variations ranged from an increase of 1,632 movements (+17.0%) at Edmonton International, Alberta to a drop of 1,654 movements (-44.4%) at Calgary/Springbank, Alberta. Fifty airports reported year-over-year decreases in the number of domestic movements in December 2013.

Seventy-one airports recorded 39,150 transborder itinerant movements (between Canada and the United States) in December 2013, decreasing from 39,396 movements the same month in 2012. Toronto/Lester B. Pearson International, Ontario (14,464 movements) reported the greatest number of transborder itinerant movements.

In December 2013, forty-two airports reported 12,029 other international itinerant movements, up 2.9% from December 2012. Toronto/Lester B. Pearson International, Ontario, recorded 5,413 other international itinerant movements.

Related products

Selected publications from Statistics Canada

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

Selected CANSIM tables from Statistics Canada

401-0007	Aircraft movements, by class of operation and peak hour and peak day of movements, airports with NAV CANADA towers, monthly
401-0008	Aircraft movements, by civil and military movements, airports with NAV CANADA towers, monthly
401-0009	Itinerant movements, by type of operation, airports with NAV CANADA towers, monthly
401-0010	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA towers, monthly
401-0011	Itinerant movements, by type of power plant, airports with NAV CANADA towers, monthly
401-0012	Itinerant movements, by aircraft maximum take-off weight, airports with NAV CANADA towers, monthly
401-0013	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA towers, monthly
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401-0018	Itinerant movements, by type of power plant, airports with NAV CANADA flight service stations, monthly
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401-0037	Annual aircraft movements, by class of operation and type of operation, airports without air traffic control towers
401-0038	Annual itinerant movements, by weight group and type of power plant, airports without air traffic control towers

Selected surveys from Statistics Canada

2715	Aircraft Movement Statistics
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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	17	5,181	29	1,769	2	3,412
Boundary Bay	12	5,648	23	2,352	4	3,296
Calgary International	3	19,968	3	19,842	35	126
Calgary/Springbank	14	5,493	25	2,115	3	3,378
Chicoutimi/St-Honoré	39	1,255	40	385	20	870
Edmonton International	5	13,207	5	13,067	33	140
Edmonton/Villeneuve	38	1,318	39	456	21	862
Fort McMurray	24	3,580	15	3,526	38	54
Fredericton International	15	5,431	20	2,601	7	2,830
Gander International	34	2,129	33	1,307	22	822
Halifax/Robert L. Stanfield International	11	6,359	8	6,109	32	250
Hamilton	33	2,351	26	1,943	31	408
Kelowna	19	4,748	14	3,622	16	1,126
Kitchener/Waterloo	18	4,994	28	1,872	5	3,122
Langley	35	2,058	37	768	13	1,290
London	22	3,994	24	2,168	11	1,826
Moncton/Greater Moncton International	26	3,288	21	2,412	19	876
Montréal/Pierre Elliott Trudeau International	4	17,431	4	17,363	37	68
Montréal/St-Hubert	13	5,645	19	2,729	6	2,916
Oshawa	36	1,862	35	1,058	23	804
Ottawa/Macdonald-Cartier International	7	10,827	7	8,751	9	2,076
Pitt Meadows	30	2,493	36	771	12	1,722
Prince George	32	2,374	30	1,738	25	636
Québec/Jean Lesage International	10	6,491	11	5,353	15	1,138
Regina International	25	3,372	18	2,828	30	544
Saskatoon/John G. Diefenbaker International	16	5,363	12	4,375	18	988
Sault Ste. Marie	29	2,569	32	1,457	17	1,112
St. John's International	27	3,199	16	3,109	36	90
St-Jean	41	760	41	202	29	558
Thunder Bay	21	4,220	13	3,634	27	586
Toronto/Billy Bishop Toronto City	9	7,503	9	5,661	10	1,842
Toronto/Buttonville Municipal	28	2,861	31	1,579	14	1,282
Toronto/Lester B. Pearson International	1	34,427	1	34,393	39	34
Vancouver Harbour	31	2,397	22	2,393	41	4
Vancouver International	2	22,984	2	22,960	40	24
Victoria International	6	11,008	10	5,562	1	5,446
Whitehorse International	40	824	38	684	34	140
Windsor	37	1,807	34	1,229	28	578
Winnipeg/James Armstrong Richardson International	8	9,514	6	8,844	24	670
Winnipeg/St. Andrews	20	4,662	27	1,884	8	2,778
Yellowknife	23	3,583	17	2,975	26	608
Total of NAV CANADA towers (41)	.	259,178	.	207,846	.	51,332

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	38	661	48	316	14	345
Campbell River	21	1,249	28	815	13	434
Castlegar	49	320	50	286	30	34
Charlottetown	44	531	38	513	38	18
Churchill	39	660	33	660	0	0
Cranbrook	34	847	25	821	34	26
Deer Lake	22	1,244	14	1,216	31	28
Fort Nelson	31	978	19	952	33	26
Fort St. John	19	1,298	11	1,254	26	44
Grande Prairie	11	2,011	6	1,765	15	246
High Level	43	545	47	357	18	188
Îles-de-la-Madeleine	50	311	49	305	44	6
Inuvik/Mike Zubko	37	736	32	732	46	4
Iqaluit	24	1,158	16	1,158	0	0
Kamloops	2	2,561	7	1,558	6	1,003
Kenora	42	554	39	476	24	78
Kingston	16	1,426	21	908	9	518
Kuujuuaq	32	890	30	778	23	112
La Grande Rivière	40	608	34	600	43	8
La Ronge	15	1,462	10	1,286	21	176
Lethbridge	30	981	31	739	16	242
Lloydminster	36	798	35	570	17	228
Medicine Hat	29	994	26	816	20	178
Mont-Joli	41	562	36	558	47	4
Montréal/Mirabel International	6	2,195	24	829	2	1,366
Nanaimo	13	1,642	15	1,204	12	438
Norman Wells	1	2,853	23	889	1	1,964
North Bay	8	2,158	20	916	4	1,242
Ottawa/Gatineau	12	1,699	44	421	3	1,278
Peace River	48	391	46	379	40	12
Penticton	17	1,409	41	461	7	948
Port Hardy	47	454	43	426	32	28
Prince Albert	18	1,358	9	1,334	35	24
Prince Rupert	51	258	51	258	0	0
Rankin Inlet	35	824	27	816	42	8
Red Deer Regional	5	2,202	17	1,152	5	1,050
Rouyn-Noranda	26	1,047	18	1,025	37	22
Saint John	25	1,081	22	903	19	178
Sept-Îles	10	2,074	5	1,924	22	150
Sioux Lookout	7	2,177	2	2,167	41	10
Smithers	46	466	42	442	36	24
St. Catharines	28	1,005	37	535	10	470
Sudbury	3	2,477	4	2,023	11	454
Terrace	20	1,269	13	1,227	27	42
Thompson	4	2,280	1	2,244	29	36
Timmins	9	2,137	3	2,097	28	40
Val-d'Or	33	860	29	810	25	50
Victoria Harbour	14	1,506	8	1,502	45	4
Wabush	23	1,238	12	1,236	48	2
Whitecourt	27	1,020	45	386	8	634
Williams Lake	45	484	40	468	39	16
Total of all flight service stations (51)	.	61,949	.	47,513	.	14,436

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

	Civil movements			Military movements				
	Total	Itinerant		Local	Total	Itinerant		Local
		Commercial	Private and government					
	number							
Abbotsford	5,170	1,420	338	3,412	11	11	0	
Boundary Bay	5,638	1,559	783	3,296	10	10	0	
Calgary International	19,951	18,786	1,039	126	17	17	0	
Calgary/Springbank	5,490	1,629	483	3,378	3	3	0	
Chicoutimi/St-Honoré	1,255	355	30	870	0	0	0	
Edmonton International	13,120	12,051	939	130	87	77	10	
Edmonton/Villeneuve	1,315	281	172	862	3	3	0	
Fort McMurray	3,570	3,130	390	50	10	6	4	
Fredericton International	5,410	2,491	89	2,830	21	21	0	
Gander International	2,021	1,067	132	822	108	108	0	
Halifax/Robert L. Stanfield International	6,260	5,831	179	250	99	99	0	
Hamilton	2,347	1,783	156	408	4	4	0	
Kelowna	4,740	3,271	343	1,126	8	8	0	
Kitchener/Waterloo	4,990	1,513	355	3,122	4	4	0	
Langley	2,057	456	311	1,290	1	1	0	
London	3,983	1,832	325	1,826	11	11	0	
Moncton/Greater Moncton International	3,288	2,257	155	876	0	0	0	
Montréal/Pierre Elliott Trudeau International	17,419	16,333	1,020	66	12	10	2	
Montréal/St-Hubert	5,618	2,098	604	2,916	27	27	0	
Oshawa	1,830	689	337	804	32	32	0	
Ottawa/Macdonald-Cartier International	10,719	8,278	371	2,070	108	102	6	
Pitt Meadows	2,492	293	477	1,722	1	1	0	
Prince George	2,368	1,510	222	636	6	6	0	
Québec/Jean Lesage International	6,469	4,810	523	1,136	22	20	2	
Regina International	3,246	2,528	284	434	126	16	110	
Saskatoon/John G. Diefenbaker International	5,303	3,909	458	936	60	8	52	
Sault Ste. Marie	2,551	1,393	50	1,108	18	14	4	
St. John's International	3,081	2,738	253	90	118	118	0	
St-Jean	730	79	93	558	30	30	0	
Thunder Bay	4,193	3,379	232	582	27	23	4	
Toronto/Billy Bishop Toronto City	7,498	5,494	162	1,842	5	5	0	
Toronto/Buttonville Municipal	2,861	934	645	1,282	0	0	0	
Toronto/Lester B. Pearson International	34,412	33,477	901	34	15	15	0	
Vancouver Harbour	2,397	2,382	11	4	0	0	0	
Vancouver International	22,969	22,429	516	24	15	15	0	
Victoria International	10,858	4,698	714	5,446	150	150	0	
Whitehorse International	824	594	90	140	0	0	0	
Windsor	1,804	993	233	578	3	3	0	
Winnipeg/James Armstrong Richardson International	9,293	8,090	537	666	221	217	4	
Winnipeg/St. Andrews	4,660	1,786	96	2,778	2	2	0	
Yellowknife	3,541	2,878	55	608	42	42	0	
Total of NAV CANADA towers (41)	257,741	191,504	15,103	51,134	1,437	1,239	198	

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

	Civil movements			Military movements				
	Total	Itinerant		Local	Total	Itinerant		Local
		Commercial	Private and government					
	number							
Brandon Municipal	650	209	96	345	11	11	0	
Campbell River	1,249	665	150	434	0	0	0	
Castlegar	314	263	17	34	6	6	0	
Charlottetown	531	461	52	18	0	0	0	
Churchill	658	650	8	0	2	2	0	
Cranbrook	847	740	81	26	0	0	0	
Deer Lake	1,242	1,165	49	28	2	2	0	
Fort Nelson	977	927	24	26	1	1	0	
Fort St. John	1,298	1,156	98	44	0	0	0	
Grande Prairie	2,009	1,499	264	246	2	2	0	
High Level	545	324	33	188	0	0	0	
Îles-de-la-Madeleine	311	281	24	6	0	0	0	
Inuvik/Mike Zubko	734	715	15	4	2	2	0	
Iqaluit	1,136	1,039	97	0	22	22	0	
Kamloops	2,553	1,355	201	997	8	2	6	
Kenora	548	453	17	78	6	6	0	
Kingston	1,420	763	139	518	6	6	0	
Kuujuuaq	890	756	22	112	0	0	0	
La Grande Rivière	608	570	30	8	0	0	0	
La Ronge	1,462	1,206	80	176	0	0	0	
Lethbridge	981	602	137	242	0	0	0	
Lloydminster	796	431	137	228	2	2	0	
Medicine Hat	992	684	130	178	2	2	0	
Mont-Joli	562	494	64	4	0	0	0	
Montréal/Mirabel International	2,166	672	144	1,350	29	13	16	
Nanaimo	1,640	830	372	438	2	2	0	
Norman Wells	2,853	760	129	1,964	0	0	0	
North Bay	2,148	796	110	1,242	10	10	0	
Ottawa/Gatineau	1,699	216	205	1,278	0	0	0	
Peace River	391	345	34	12	0	0	0	
Penticton	1,389	399	42	948	20	20	0	
Port Hardy	440	367	45	28	14	14	0	
Prince Albert	1,350	1,209	125	16	8	0	8	
Prince Rupert	253	215	38	0	5	5	0	
Rankin Inlet	820	804	8	8	4	4	0	
Red Deer Regional	2,200	884	266	1,050	2	2	0	
Rouyn-Noranda	1,047	919	106	22	0	0	0	
Saint John	1,081	689	214	178	0	0	0	
Sept-Îles	2,074	1,797	127	150	0	0	0	
Sioux Lookout	2,177	2,134	33	10	0	0	0	
Smithers	466	431	11	24	0	0	0	
St. Catharines	1,005	369	166	470	0	0	0	
Sudbury	2,473	1,801	218	454	4	4	0	
Terrace	1,261	1,150	69	42	8	8	0	
Thompson	2,278	2,076	166	36	2	2	0	
Timmins	2,135	2,007	88	40	2	2	0	
Val-d'Or	856	722	86	48	4	2	2	
Victoria Harbour	1,493	1,396	93	4	13	13	0	
Wabush	1,238	1,194	42	2	0	0	0	
Whitecourt	1,014	341	39	634	6	6	0	
Williams Lake	482	430	36	16	2	2	0	
Total of all flight service stations (51)	61,742	42,361	4,977	14,404	207	175	32	

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	1,769	452	948	20	301	37	11
Boundary Bay	2,352	12	386	1,161	705	78	10
Calgary International	19,842	17,150	1,353	283	943	96	17
Calgary/Springbank	2,115	28	417	1,184	475	8	3
Chicoutimi/St-Honoré	385	191	27	137	26	4	0
Edmonton International	13,067	10,932	874	245	739	200	77
Edmonton/Villeneuve	456	2	38	241	138	34	3
Fort McMurray	3,526	2,069	987	74	370	20	6
Fredericton International	2,601	703	1,788	0	83	6	21
Gander International	1,307	1,023	30	14	101	31	108
Halifax/Robert L. Stanfield International	6,109	5,508	307	16	167	12	99
Hamilton	1,943	1,553	158	72	134	22	4
Kelowna	3,622	2,733	392	146	316	27	8
Kitchener/Waterloo	1,872	421	1,078	14	348	7	4
Langley	768	10	60	386	295	16	1
London	2,168	1,046	154	632	281	44	11
Moncton/Greater Moncton International	2,412	1,556	701	0	84	71	0
Montréal/Pierre Elliott Trudeau International	17,363	15,617	667	49	888	132	10
Montréal/St-Hubert	2,729	1,229	403	466	504	100	27
Oshawa	1,058	29	66	594	284	53	32
Ottawa/Macdonald-Cartier International	8,751	6,995	192	1,091	173	198	102
Pitt Meadows	771	0	249	44	475	2	1
Prince George	1,738	1,175	325	10	182	40	6
Québec/Jean Lesage International	5,353	3,818	837	155	289	234	20
Regina International	2,828	2,108	374	46	175	109	16
Saskatoon/John G. Diefenbaker International	4,375	3,280	559	70	190	268	8
Sault Ste. Marie	1,457	910	23	460	38	12	14
St. John's International	3,109	2,368	367	3	97	156	118
St-Jean	202	2	45	32	90	3	30
Thunder Bay	3,634	3,113	142	124	160	72	23
Toronto/Billy Bishop Toronto City	5,661	4,556	295	643	156	6	5
Toronto/Buttonville Municipal	1,579	152	747	35	600	45	0
Toronto/Lester B. Pearson International	34,393	32,051	1,374	52	895	6	15
Vancouver Harbour	2,393	2,167	215	0	11	0	0
Vancouver International	22,960	20,572	1,802	55	473	43	15
Victoria International	5,562	2,721	1,810	167	690	24	150
Whitehorse International	684	536	54	4	61	29	0
Windsor	1,229	477	502	14	221	12	3
Winnipeg/James Armstrong Richardson International	8,844	7,910	125	55	188	349	217
Winnipeg/St. Andrews	1,884	514	1,071	201	96	0	2
Yellowknife	2,975	2,699	121	58	17	38	42
Total of NAV CANADA towers (41)	207,846	160,388	22,063	9,053	12,459	2,644	1,239

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	316	90	110	9	60	36	11
Campbell River	815	557	82	26	142	8	0
Castlegar	286	237	26	0	17	0	6
Charlottetown	513	457	4	0	42	10	0
Churchill	660	589	40	21	2	6	2
Cranbrook	821	706	30	4	79	2	0
Deer Lake	1,216	1,144	21	0	7	42	2
Fort Nelson	952	323	604	0	24	0	1
Fort St. John	1,254	811	337	8	92	6	0
Grande Prairie	1,765	999	438	62	256	8	2
High Level	357	249	72	3	17	16	0
Îles-de-la-Madeleine	305	277	4	0	0	24	0
Inuvik/Mike Zubko	732	634	81	0	3	12	2
Iqaluit	1,158	990	49	0	49	48	22
Kamloops	1,558	881	427	47	168	33	2
Kenora	476	348	55	50	17	0	6
Kingston	908	461	197	105	133	6	6
Kuujuuaq	778	720	34	2	6	16	0
La Grande Rivière	600	434	136	0	22	8	0
La Ronge	1,286	1,193	9	4	11	69	0
Lethbridge	739	461	39	102	133	4	0
Lloydminster	570	300	125	6	121	16	2
Medicine Hat	816	518	40	126	128	2	2
Mont-Joli	558	418	76	0	16	48	0
Montréal/Mirabel International	829	640	28	4	144	0	13
Nanaimo	1,204	483	337	10	348	24	2
Norman Wells	889	516	236	8	125	4	0
North Bay	916	562	95	139	102	8	10
Ottawa/Gatineau	421	62	51	103	198	7	0
Peace River	379	317	24	4	28	6	0
Penticton	461	281	94	24	40	2	20
Port Hardy	426	327	34	6	11	34	14
Prince Albert	1,334	1,201	6	2	37	88	0
Prince Rupert	258	211	4	0	10	28	5
Rankin Inlet	816	789	4	11	2	6	4
Red Deer Regional	1,152	496	341	47	241	25	2
Rouyn-Noranda	1,025	771	148	0	82	24	0
Saint John	903	613	63	13	209	5	0
Sept-Îles	1,924	1,366	418	13	45	82	0
Sioux Lookout	2,167	1,786	130	218	17	16	0
Smithers	442	379	46	6	10	1	0
St. Catharines	535	4	359	6	162	4	0
Sudbury	2,023	1,458	178	165	168	50	4
Terrace	1,227	667	476	7	47	22	8
Thompson	2,244	1,868	202	6	7	159	2
Timmins	2,097	1,957	46	4	70	18	2
Val-d'Or	810	672	48	2	53	33	2
Victoria Harbour	1,502	1,391	5	0	3	90	13
Wabush	1,236	1,045	141	8	32	10	0
Whitecourt	386	34	114	193	37	2	6
Williams Lake	468	382	44	4	36	0	2
Total of all flight service stations (51)	47,513	34,075	6,708	1,578	3,809	1,168	175

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	1,769	620	35.0	1,149	64.9	808
Boundary Bay	2,352	173	7.3	2,179	92.6	467
Calgary International	19,842	19,243	96.9	599	3.0	165
Calgary/Springbank	2,115	320	15.1	1,795	84.8	60
Chicoutimi/St-Honoré	385	101	26.2	284	73.7	37
Edmonton International	13,067	12,631	96.6	436	3.3	221
Edmonton/Villeneuve	456	100	21.9	356	78.0	27
Fort McMurray	3,526	2,560	72.6	966	27.3	66
Fredericton International	2,601	847	32.5	1,754	67.4	107
Gander International	1,307	952	72.8	355	27.1	30
Halifax/Robert L. Stanfield International	6,109	5,911	96.7	198	3.2	87
Hamilton	1,943	1,770	91.0	173	8.9	377
Kelowna	3,622	3,003	82.9	619	17.0	322
Kitchener/Waterloo	1,872	591	31.5	1,281	68.4	177
Langley	768	2	0.2	766	99.7	335
London	2,168	1,249	57.6	919	42.3	130
Moncton/Greater Moncton International	2,412	1,678	69.5	734	30.4	50
Montréal/Pierre Elliott Trudeau International	17,363	17,141	98.7	222	1.2	386
Montréal/St-Hubert	2,729	1,208	44.2	1,521	55.7	432
Oshawa	1,058	101	9.5	957	90.4	231
Ottawa/Macdonald-Cartier International	8,751	7,516	85.8	1,235	14.1	175
Pitt Meadows	771	22	2.8	749	97.1	470
Prince George	1,738	1,369	78.7	369	21.2	214
Québec/Jean Lesage International	5,353	4,620	86.3	733	13.6	398
Regina International	2,828	2,492	88.1	336	11.8	121
Saskatoon/John G. Diefenbaker International	4,375	3,772	86.2	603	13.7	75
Sault Ste. Marie	1,457	970	66.5	487	33.4	36
St. John's International	3,109	2,875	92.4	234	7.5	66
St-Jean	202	8	3.9	194	96.0	183
Thunder Bay	3,634	3,336	91.7	298	8.2	65
Toronto/Billy Bishop Toronto City	5,661	4,680	82.6	981	17.3	752
Toronto/Buttonville Municipal	1,579	403	25.5	1,176	74.4	523
Toronto/Lester B. Pearson International	34,393	34,375	99.9	18	0.0	150
Vancouver Harbour	2,393	153	6.3	2,240	93.6	721
Vancouver International	22,960	20,710	90.2	2,250	9.7	3,036
Victoria International	5,562	3,386	60.8	2,176	39.1	1,266
Whitehorse International	684	486	71.0	198	28.9	64
Windsor	1,229	687	55.8	542	44.1	53
Winnipeg/James Armstrong Richardson International	8,844	8,415	95.1	429	4.8	164
Winnipeg/St. Andrews	1,884	108	5.7	1,776	94.2	28
Yellowknife	2,975	2,122	71.3	853	28.6	139
Total of NAV CANADA towers (41)	207,846	172,706	83.1	35,140	16.9	13,214

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	316	180	56.9	136	43.0	100
Campbell River	815	517	63.4	298	36.5	133
Castlegar	286	231	80.7	55	19.2	110
Charlottetown	513	480	93.5	33	6.4	14
Churchill	660	623	94.3	37	5.6	138
Cranbrook	821	751	91.4	70	8.5	45
Deer Lake	1,216	1,111	91.3	105	8.6	11
Fort Nelson	952	343	36.0	609	63.9	24
Fort St. John	1,254	984	78.4	270	21.5	8
Grande Prairie	1,765	1,450	82.1	315	17.8	14
High Level	357	207	57.9	150	42.0	62
Îles-de-la-Madeleine	305	305	100.0	0	0.0	4
Inuvik/Mike Zubko	732	314	42.8	418	57.1	15
Iqaluit	1,158	1,038	89.6	120	10.3	0
Kamloops	1,558	1,169	75.0	389	24.9	364
Kenora	476	339	71.2	137	28.7	169
Kingston	908	542	59.6	366	40.3	154
Kuujuuaq	778	412	52.9	366	47.0	8
La Grande Rivière	600	544	90.6	56	9.3	34
La Ronge	1,286	743	57.7	543	42.2	206
Lethbridge	739	553	74.8	186	25.1	8
Lloydminster	570	298	52.2	272	47.7	16
Medicine Hat	816	460	56.3	356	43.6	42
Mont-Joli	558	548	98.2	10	1.7	6
Montréal/Mirabel International	829	771	93.0	58	6.9	755
Nanaimo	1,204	702	58.3	502	41.6	243
Norman Wells	889	261	29.3	628	70.6	272
North Bay	916	589	64.3	327	35.6	299
Ottawa/Gatineau	421	87	20.6	334	79.3	134
Peace River	379	323	85.2	56	14.7	1
Penticton	461	261	56.6	200	43.3	51
Port Hardy	426	232	54.4	194	45.5	212
Prince Albert	1,334	1,291	96.7	43	3.2	80
Prince Rupert	258	189	73.2	69	26.7	31
Rankin Inlet	816	804	98.5	12	1.4	251
Red Deer Regional	1,152	649	56.3	503	43.6	155
Rouyn-Noranda	1,025	977	95.3	48	4.6	94
Saint John	903	806	89.2	97	10.7	17
Sept-Îles	1,924	1,658	86.1	266	13.8	225
Sioux Lookout	2,167	1,701	78.4	466	21.5	197
Smithers	442	375	84.8	67	15.1	337
St. Catharines	535	57	10.6	478	89.3	104
Sudbury	2,023	1,388	68.6	635	31.3	72
Terrace	1,227	829	67.5	398	32.4	155
Thompson	2,244	1,587	70.7	657	29.2	23
Timmins	2,097	1,580	75.3	517	24.6	79
Val-d'Or	810	743	91.7	67	8.2	54
Victoria Harbour	1,502	186	12.3	1,316	87.6	568
Wabush	1,236	1,159	93.7	77	6.2	268
Whitecourt	386	58	15.0	328	84.9	37
Williams Lake	468	395	84.4	73	15.5	31
Total of all flight service stations (51)	47,513	33,800	71.1	13,713	28.9	6,430

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	1,769	446	108	702	513	0
Boundary Bay	2,352	11	72	2,077	192	0
Calgary International	19,842	11,904	7,232	180	526	0
Calgary/Springbank	2,115	49	114	1,546	406	0
Chicoutimi/St-Honoré	385	4	64	231	86	0
Edmonton International	13,067	6,833	5,728	268	238	0
Edmonton/Villeneuve	456	24	40	320	72	0
Fort McMurray	3,526	1,194	1,544	206	582	0
Fredericton International	2,601	39	816	1,701	45	0
Gander International	1,307	304	609	326	68	0
Halifax/Robert L. Stanfield International	6,109	3,291	2,538	65	215	0
Hamilton	1,943	1,178	602	131	32	0
Kelowna	3,622	1,119	1,894	373	236	0
Kitchener/Waterloo	1,872	310	230	1,170	162	0
Langley	768	0	1	528	239	0
London	2,168	377	861	833	97	0
Moncton/Greater Moncton International	2,412	606	1,062	734	10	0
Montréal/Pierre Elliott Trudeau International	17,363	11,569	5,565	108	121	0
Montréal/St-Hubert	2,729	127	847	1,646	108	1
Oshawa	1,058	28	33	924	73	0
Ottawa/Macdonald-Cartier International	8,751	4,874	2,622	1,116	139	0
Pitt Meadows	771	2	2	613	154	0
Prince George	1,738	186	1,217	152	183	0
Québec/Jean Lesage International	5,353	1,153	3,376	394	430	0
Regina International	2,828	1,402	985	359	82	0
Saskatoon/John G. Diefenbaker International	4,375	1,543	2,177	568	87	0
Sault Ste. Marie	1,457	53	913	487	4	0
St. John's International	3,109	1,295	1,394	21	399	0
St-Jean	202	0	0	193	3	6
Thunder Bay	3,634	449	2,889	215	81	0
Toronto/Billy Bishop Toronto City	5,661	14	4,644	760	243	0
Toronto/Buttonville Municipal	1,579	52	235	1,108	184	0
Toronto/Lester B. Pearson International	34,393	28,620	5,747	22	4	0
Vancouver Harbour	2,393	0	1,250	590	553	0
Vancouver International	22,960	11,014	9,909	1,567	470	0
Victoria International	5,562	868	2,314	2,109	271	0
Whitehorse International	684	255	302	98	29	0
Windsor	1,229	142	592	473	22	0
Winnipeg/James Armstrong Richardson International	8,844	4,978	3,550	203	113	0
Winnipeg/St. Andrews	1,884	0	706	1,088	90	0
Yellowknife	2,975	503	2,167	143	162	0
Total of NAV CANADA towers (41)	207,846	96,816	76,951	26,348	7,724	7

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	316	24	189	89	14	0
Campbell River	815	13	572	108	122	0
Castlegar	286	2	239	13	32	0
Charlottetown	513	147	320	34	12	0
Churchill	660	102	520	2	36	0
Cranbrook	821	40	673	90	18	0
Deer Lake	1,216	147	1,036	14	19	0
Fort Nelson	952	10	331	58	553	0
Fort St. John	1,254	60	907	88	199	0
Grande Prairie	1,765	207	1,076	287	195	0
High Level	357	8	246	35	68	0
Îles-de-la-Madeleine	305	4	299	2	0	0
Inuvik/Mike Zubko	732	100	466	85	81	0
Iqaluit	1,158	348	754	17	39	0
Kamloops	1,558	68	1,058	280	151	1
Kenora	476	6	318	93	59	0
Kingston	908	10	516	314	68	0
Kuujuuaq	778	136	614	8	20	0
La Grande Rivière	600	108	476	16	0	0
La Ronge	1,286	0	1,145	111	30	0
Lethbridge	739	77	482	172	8	0
Lloydminster	570	10	272	269	19	0
Medicine Hat	816	23	544	233	16	0
Mont-Joli	558	32	518	6	2	0
Montréal/Mirabel International	829	560	187	39	43	0
Nanaimo	1,204	30	550	588	36	0
Norman Wells	889	196	276	72	345	0
North Bay	916	24	582	113	197	0
Ottawa/Gatineau	421	0	61	263	97	0
Peace River	379	12	287	60	20	0
Penticton	461	14	281	51	115	0
Port Hardy	426	2	302	54	68	0
Prince Albert	1,334	0	1,291	35	8	0
Prince Rupert	258	29	167	2	60	0
Rankin Inlet	816	208	608	0	0	0
Red Deer Regional	1,152	75	538	395	144	0
Rouyn-Noranda	1,025	92	911	18	4	0
Saint John	903	107	678	88	30	0
Sept-Îles	1,924	72	1,590	97	165	0
Sioux Lookout	2,167	0	1,789	378	0	0
Smithers	442	8	385	10	39	0
St. Catharines	535	4	8	379	144	0
Sudbury	2,023	48	1,544	259	172	0
Terrace	1,227	57	783	0	387	0
Thompson	2,244	44	2,065	64	71	0
Timmins	2,097	18	2,005	44	30	0
Val-d'Or	810	132	611	47	20	0
Victoria Harbour	1,502	0	845	43	614	0
Wabush	1,236	44	1,100	26	66	0
Whitecourt	386	12	37	25	312	0
Williams Lake	468	16	378	32	42	0
Total of all flight service stations (51)	47,513	3,486	33,430	5,606	4,990	1

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

	Maximum take-off weight in kilograms									
	2,000 and under	2,001 to 4,000	4,001 to 5,670	5,671 to 9,000	9,001 to 18,000	18,001 to 35,000	35,001 to 70,000	70,001 to 90,000	90,001 to 136,000	136,001 and over
	number									
Abbotsford	958	209	94	60	20	20	403	5	0	0
Boundary Bay	2,160	123	62	5	2	0	0	0	0	0
Calgary International	363	396	1,265	2,322	640	4,881	8,017	1,010	232	716
Calgary/Springbank	1,737	222	124	32	0	0	0	0	0	0
Chicoutimi/St-Honoré	236	81	62	6	0	0	0	0	0	0
Edmonton International	272	221	1,605	1,312	466	3,565	4,760	511	142	213
Edmonton/Villeneuve	332	56	30	30	8	0	0	0	0	0
Fort McMurray	651	324	398	418	70	954	604	107	0	0
Fredericton International	1,715	93	138	189	122	336	4	2	2	0
Gander International	311	16	24	499	173	114	59	72	27	12
Halifax/Robert L. Stanfield International	29	152	261	753	889	1,582	1,930	190	209	114
Hamilton	129	328	129	225	124	72	264	2	483	187
Kelowna	525	94	286	764	55	1,067	829	2	0	0
Kitchener/Waterloo	1,273	62	250	46	34	100	107	0	0	0
Langley	726	19	9	13	1	0	0	0	0	0
London	852	16	221	121	596	237	123	2	0	0
Moncton/Greater Moncton International	730	80	126	279	63	716	150	0	268	0
Montréal/Pierre Elliott Trudeau International	113	95	440	444	2,701	6,264	4,710	1,375	4	1,217
Montréal/St-Hubert	1,366	373	563	333	80	8	6	0	0	0
Oshawa	905	99	23	30	0	0	0	0	1	0
Ottawa/Macdonald-Cartier International	1,118	82	598	236	737	2,715	2,636	383	46	200
Pitt Meadows	735	32	1	2	0	1	0	0	0	0
Prince George	256	48	127	627	16	533	131	0	0	0
Québec/Jean Lesage International	655	168	616	516	1,147	1,769	393	18	0	71
Regina International	240	200	309	285	44	962	718	0	64	6
Saskatoon/John G. Diefenbaker International	346	354	576	804	178	1,173	897	0	38	9
Sault Ste. Marie	486	57	430	49	227	200	6	2	0	0
St. John's International	18	31	204	609	662	473	779	197	102	34
St-Jean	201	1	0	0	0	0	0	0	0	0
Thunder Bay	167	178	1,913	177	103	890	206	0	0	0
Toronto/Billy Bishop Toronto City	809	58	230	199	0	4,365	0	0	0	0
Toronto/Buttonville Municipal	1,169	126	227	38	5	14	0	0	0	0
Toronto/Lester B. Pearson International	9	145	390	1,391	3,346	6,710	15,130	3,918	184	3,170
Vancouver Harbour	57	1,659	677	0	0	0	0	0	0	0
Vancouver International	213	2,480	640	2,797	993	6,413	5,847	1,204	249	2,124
Victoria International	1,821	700	116	378	201	1,751	503	64	28	0
Whitehorse International	94	65	119	70	2	87	247	0	0	0
Windsor	404	220	35	100	181	259	26	0	4	0
Winnipeg/James Armstrong Richardson International	178	205	2,288	404	566	1,778	2,521	154	557	193
Winnipeg/St. Andrews	1,096	744	44	0	0	0	0	0	0	0
Yellowknife	148	361	491	356	210	852	462	95	0	0
Total of NAV CANADA towers (41)	25,603	10,973	16,141	16,919	14,662	50,861	52,468	9,313	2,640	8,266

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

	Maximum take-off weight in kilograms									
	2,000 and under	2,001 to 4,000	4,001 to 5,670	5,671 to 9,000	9,001 to 18,000	18,001 to 35,000	35,001 to 70,000	70,001 to 90,000	90,001 to 136,000	136,001 and over
	number									
Brandon Municipal	94	7	116	18	10	62	0	9	0	0
Campbell River	200	24	28	499	64	0	0	0	0	0
Castlegar	17	24	7	60	14	164	0	0	0	0
Charlottetown	22	90	20	136	40	82	123	0	0	0
Churchill	36	2	112	6	90	400	12	2	0	0
Cranbrook	62	48	31	488	40	150	2	0	0	0
Deer Lake	31	0	20	433	470	125	133	4	0	0
Fort Nelson	417	42	202	102	135	52	2	0	0	0
Fort St. John	251	36	134	278	146	409	0	0	0	0
Grande Prairie	231	244	380	89	14	717	90	0	0	0
High Level	78	39	126	108	6	0	0	0	0	0
Îles-de-la-Madeleine	0	2	72	87	120	24	0	0	0	0
Inuvik/Mike Zubko	101	52	336	93	2	54	94	0	0	0
Iqaluit	4	17	257	118	161	281	252	20	8	40
Kamloops	289	91	133	265	14	748	18	0	0	0
Kenora	78	21	373	2	0	2	0	0	0	0
Kingston	357	51	83	321	92	4	0	0	0	0
Kuujuuaq	22	6	474	0	17	137	104	0	0	18
La Grande Rivière	2	18	140	2	27	311	100	0	0	0
La Ronge	53	114	622	211	163	123	0	0	0	0
Lethbridge	144	44	109	420	4	8	10	0	0	0
Lloydminster	181	117	122	124	17	7	2	0	0	0
Medicine Hat	221	33	188	368	2	4	0	0	0	0
Mont-Joli	4	4	132	126	148	136	8	0	0	0
Montréal/Mirabel International	69	55	10	91	4	76	98	2	262	162
Nanaimo	386	279	29	29	12	467	2	0	0	0
Norman Wells	106	88	396	59	2	40	198	0	0	0
North Bay	298	58	361	34	147	5	13	0	0	0
Ottawa/Gatineau	328	30	6	57	0	0	0	0	0	0
Peace River	24	54	225	67	7	2	0	0	0	0
Penticton	151	9	20	110	4	167	0	0	0	0
Port Hardy	38	117	34	99	130	8	0	0	0	0
Prince Albert	18	25	142	481	264	404	0	0	0	0
Prince Rupert	7	12	66	46	50	77	0	0	0	0
Rankin Inlet	0	0	98	4	86	500	128	0	0	0
Red Deer Regional	471	64	161	372	4	78	2	0	0	0
Rouyn-Noranda	20	2	287	56	408	182	70	0	0	0
Saint John	49	136	120	168	205	224	1	0	0	0
Sept-Îles	177	85	477	246	609	300	30	0	0	0
Sioux Lookout	128	321	1,114	506	98	0	0	0	0	0
Smithers	37	22	40	192	42	109	0	0	0	0
St. Catharines	460	61	10	2	2	0	0	0	0	0
Sudbury	269	162	876	165	251	278	20	2	0	0
Terrace	228	150	121	104	151	465	8	0	0	0
Thompson	75	83	1,360	22	64	636	2	2	0	0
Timmins	33	121	1,107	8	525	303	0	0	0	0
Val-d'Or	59	8	180	112	297	61	93	0	0	0
Victoria Harbour	5	789	693	2	13	0	0	0	0	0
Wabush	62	30	244	240	398	240	22	0	0	0
Whitecourt	307	14	31	22	6	6	0	0	0	0
Williams Lake	66	8	10	366	12	0	4	2	0	0
Total of all flight service stations (51)	6,766	3,909	12,435	8,014	5,587	8,628	1,641	43	270	220

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Abbotsford							
Domestic	1,717	436	941	17	275	37	11
Transborder	39	4	7	2	26	0	0
Other international	13	12	0	1	0	0	0
Total	1,769	452	948	20	301	37	11
Boundary Bay							
Domestic	2,315	8	385	1,154	680	78	10
Transborder	37	4	1	7	25	0	0
Other international	0	0	0	0	0	0	0
Total	2,352	12	386	1,161	705	78	10
Calgary International							
Domestic	15,710	13,357	1,270	273	700	96	14
Transborder	3,365	3,044	76	9	235	0	1
Other international	767	749	7	1	8	0	2
Total	19,842	17,150	1,353	283	943	96	17
Calgary/Springbank							
Domestic	2,069	24	410	1,184	440	8	3
Transborder	46	4	7	0	35	0	0
Other international	0	0	0	0	0	0	0
Total	2,115	28	417	1,184	475	8	3
Chicoutimi/St-Honoré							
Domestic	384	191	27	137	25	4	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	385	191	27	137	26	4	0
Edmonton International							
Domestic	11,244	9,219	857	199	701	200	68
Transborder	1,517	1,421	17	40	30	0	9
Other international	306	292	0	6	8	0	0
Total	13,067	10,932	874	245	739	200	77
Edmonton/Villeneuve							
Domestic	452	2	38	240	135	34	3
Transborder	3	0	0	1	2	0	0
Other international	1	0	0	0	1	0	0
Total	456	2	38	241	138	34	3
Fort McMurray							
Domestic	3,461	2,007	986	73	369	20	6
Transborder	58	56	0	1	1	0	0
Other international	7	6	1	0	0	0	0
Total	3,526	2,069	987	74	370	20	6
Fredericton International							
Domestic	2,590	701	1,788	0	75	6	20
Transborder	10	1	0	0	8	0	1
Other international	1	1	0	0	0	0	0
Total	2,601	703	1,788	0	83	6	21
Gander International							
Domestic	1,086	958	27	1	14	31	55
Transborder	100	28	1	6	44	0	21
Other international	121	37	2	7	43	0	32
Total	1,307	1,023	30	14	101	31	108
Halifax/Robert L. Stanfield International							
Domestic	5,337	4,822	300	16	105	12	82
Transborder	661	598	4	0	52	0	7
Other international	111	88	3	0	10	0	10
Total	6,109	5,508	307	16	167	12	99

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	1,282	1,014	121	72	49	22	4
Transborder	589	476	34	0	79	0	0
Other international	72	63	3	0	6	0	0
Total	1,943	1,553	158	72	134	22	4
Kelowna							
Domestic	3,225	2,393	389	146	262	27	8
Transborder	355	298	3	0	54	0	0
Other international	42	42	0	0	0	0	0
Total	3,622	2,733	392	146	316	27	8
Kitchener/Waterloo							
Domestic	1,622	281	1,055	14	264	7	1
Transborder	244	137	23	0	81	0	3
Other international	6	3	0	0	3	0	0
Total	1,872	421	1,078	14	348	7	4
Langley							
Domestic	767	10	60	385	295	16	1
Transborder	1	0	0	1	0	0	0
Other international	0	0	0	0	0	0	0
Total	768	10	60	386	295	16	1
London							
Domestic	1,887	855	145	631	201	44	11
Transborder	252	164	7	1	80	0	0
Other international	29	27	2	0	0	0	0
Total	2,168	1,046	154	632	281	44	11
Moncton/Greater Moncton International							
Domestic	2,309	1,468	700	0	72	69	0
Transborder	77	62	1	0	12	2	0
Other international	26	26	0	0	0	0	0
Total	2,412	1,556	701	0	84	71	0
Montréal/Pierre Elliott Trudeau International							
Domestic	9,251	8,134	462	33	483	132	7
Transborder	5,913	5,356	164	10	383	0	0
Other international	2,199	2,127	41	6	22	0	3
Total	17,363	15,617	667	49	888	132	10
Montréal/St-Hubert							
Domestic	2,629	1,223	397	464	420	98	27
Transborder	97	6	6	2	81	2	0
Other international	3	0	0	0	3	0	0
Total	2,729	1,229	403	466	504	100	27
Oshawa							
Domestic	1,030	23	60	593	269	53	32
Transborder	28	6	6	1	15	0	0
Other international	0	0	0	0	0	0	0
Total	1,058	29	66	594	284	53	32
Ottawa/Macdonald-Cartier International							
Domestic	6,747	5,123	174	1,076	98	183	93
Transborder	1,658	1,540	15	14	70	15	4
Other international	346	332	3	1	5	0	5
Total	8,751	6,995	192	1,091	173	198	102
Pitt Meadows							
Domestic	763	0	249	43	468	2	1
Transborder	8	0	0	1	7	0	0
Other international	0	0	0	0	0	0	0
Total	771	0	249	44	475	2	1

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	1,726	1,165	325	10	180	40	6
Transborder	4	2	0	0	2	0	0
Other international	8	8	0	0	0	0	0
Total	1,738	1,175	325	10	182	40	6
Québec/Jean Lesage International							
Domestic	4,581	3,093	829	153	253	234	19
Transborder	543	499	8	2	34	0	0
Other international	229	226	0	0	2	0	1
Total	5,353	3,818	837	155	289	234	20
Regina International							
Domestic	2,346	1,679	370	35	138	108	16
Transborder	389	337	4	11	36	1	0
Other international	93	92	0	0	1	0	0
Total	2,828	2,108	374	46	175	109	16
Saskatoon/John G. Diefenbaker International							
Domestic	3,910	2,851	550	68	165	268	8
Transborder	380	344	9	2	25	0	0
Other international	85	85	0	0	0	0	0
Total	4,375	3,280	559	70	190	268	8
Sault Ste. Marie							
Domestic	1,448	909	21	460	32	12	14
Transborder	8	1	1	0	6	0	0
Other international	1	0	1	0	0	0	0
Total	1,457	910	23	460	38	12	14
St. John's International							
Domestic	2,825	2,229	364	0	36	156	40
Transborder	145	78	1	1	29	0	36
Other international	139	61	2	2	32	0	42
Total	3,109	2,368	367	3	97	156	118
St-Jean							
Domestic	202	2	45	32	90	3	30
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	202	2	45	32	90	3	30
Thunder Bay							
Domestic	3,527	3,027	141	123	141	72	23
Transborder	91	72	0	0	19	0	0
Other international	16	14	1	1	0	0	0
Total	3,634	3,113	142	124	160	72	23
Toronto/Billy Bishop Toronto City							
Domestic	4,459	3,382	295	643	128	6	5
Transborder	1,202	1,174	0	0	28	0	0
Other international	0	0	0	0	0	0	0
Total	5,661	4,556	295	643	156	6	5
Toronto/Buttonville Municipal							
Domestic	1,473	138	729	32	529	45	0
Transborder	105	14	18	3	70	0	0
Other international	1	0	0	0	1	0	0
Total	1,579	152	747	35	600	45	0
Toronto/Lester B. Pearson International							
Domestic	14,516	13,920	286	30	265	6	9
Transborder	14,464	13,196	648	19	596	0	5
Other international	5,413	4,935	440	3	34	0	1
Total	34,393	32,051	1,374	52	895	6	15

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	2,393	2,167	215	0	11	0	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	2,393	2,167	215	0	11	0	0
Vancouver International							
Domestic	16,855	14,784	1,741	35	242	43	10
Transborder	4,397	4,101	54	16	221	0	5
Other international	1,708	1,687	7	4	10	0	0
Total	22,960	20,572	1,802	55	473	43	15
Victoria International							
Domestic	4,941	2,258	1,779	160	578	24	142
Transborder	586	431	29	7	111	0	8
Other international	35	32	2	0	1	0	0
Total	5,562	2,721	1,810	167	690	24	150
Whitehorse International							
Domestic	674	534	53	4	54	29	0
Transborder	10	2	1	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	684	536	54	4	61	29	0
Windsor							
Domestic	1,116	429	481	13	178	12	3
Transborder	93	37	16	1	39	0	0
Other international	20	11	5	0	4	0	0
Total	1,229	477	502	14	221	12	3
Winnipeg/James Armstrong Richardson International							
Domestic	7,618	6,780	106	53	115	349	215
Transborder	1,045	951	18	2	72	0	2
Other international	181	179	1	0	1	0	0
Total	8,844	7,910	125	55	188	349	217
Winnipeg/St. Andrews							
Domestic	1,882	513	1,070	201	96	0	2
Transborder	2	1	1	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,884	514	1,071	201	96	0	2
Yellowknife							
Domestic	2,974	2,699	121	58	16	38	42
Transborder	0	0	0	0	0	0	0
Other international	1	0	0	0	1	0	0
Total	2,975	2,699	121	58	17	38	42
Total of NAV CANADA towers (41)							
Domestic	157,343	114,808	20,362	8,861	9,647	2,624	1,041
Transborder	38,523	34,445	1,180	160	2,616	20	102
Other international	11,980	11,135	521	32	196	0	96
Total	207,846	160,388	22,063	9,053	12,459	2,644	1,239

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	310	90	110	9	54	36	11
Transborder	6	0	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	316	90	110	9	60	36	11
Campbell River							
Domestic	809	557	82	26	136	8	0
Transborder	5	0	0	0	5	0	0
Other international	1	0	0	0	1	0	0
Total	815	557	82	26	142	8	0
Castlegar							
Domestic	277	235	26	0	10	0	6
Transborder	9	2	0	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	286	237	26	0	17	0	6
Charlottetown							
Domestic	508	457	4	0	37	10	0
Transborder	5	0	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	513	457	4	0	42	10	0
Churchill							
Domestic	660	589	40	21	2	6	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	660	589	40	21	2	6	2
Cranbrook							
Domestic	816	704	29	4	77	2	0
Transborder	5	2	1	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	821	706	30	4	79	2	0
Deer Lake							
Domestic	1,214	1,142	21	0	7	42	2
Transborder	2	2	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,216	1,144	21	0	7	42	2
Fort Nelson							
Domestic	952	323	604	0	24	0	1
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	952	323	604	0	24	0	1
Fort St. John							
Domestic	1,253	811	337	8	91	6	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,254	811	337	8	92	6	0
Grande Prairie							
Domestic	1,759	999	437	62	251	8	2
Transborder	6	0	1	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	1,765	999	438	62	256	8	2
High Level							
Domestic	357	249	72	3	17	16	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	357	249	72	3	17	16	0

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
	number						
Îles-de-la-Madeleine							
Domestic	305	277	4	0	0	24	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	305	277	4	0	0	24	0
Inuvik/Mike Zubko							
Domestic	732	634	81	0	3	12	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	732	634	81	0	3	12	2
Iqaluit							
Domestic	1,119	985	47	0	29	48	10
Transborder	9	0	0	0	3	0	6
Other international	30	5	2	0	17	0	6
Total	1,158	990	49	0	49	48	22
Kamloops							
Domestic	1,542	880	427	47	153	33	2
Transborder	15	0	0	0	15	0	0
Other international	1	1	0	0	0	0	0
Total	1,558	881	427	47	168	33	2
Kenora							
Domestic	474	347	55	50	16	0	6
Transborder	2	1	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	476	348	55	50	17	0	6
Kingston							
Domestic	888	460	193	105	121	6	3
Transborder	20	1	4	0	12	0	3
Other international	0	0	0	0	0	0	0
Total	908	461	197	105	133	6	6
Kuujuuaq							
Domestic	777	719	34	2	6	16	0
Transborder	0	0	0	0	0	0	0
Other international	1	1	0	0	0	0	0
Total	778	720	34	2	6	16	0
La Grande Rivière							
Domestic	599	434	136	0	21	8	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	600	434	136	0	22	8	0
La Ronge							
Domestic	1,286	1,193	9	4	11	69	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,286	1,193	9	4	11	69	0
Lethbridge							
Domestic	689	455	34	97	99	4	0
Transborder	50	6	5	5	34	0	0
Other international	0	0	0	0	0	0	0
Total	739	461	39	102	133	4	0
Lloydminster							
Domestic	568	300	125	6	119	16	2
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	570	300	125	6	121	16	2

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Medicine Hat							
Domestic	813	518	39	126	126	2	2
Transborder	3	0	1	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	816	518	40	126	128	2	2
Mont-Joli							
Domestic	558	418	76	0	16	48	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	558	418	76	0	16	48	0
Montréal/Mirabel International							
Domestic	626	447	27	4	135	0	13
Transborder	198	188	1	0	9	0	0
Other international	5	5	0	0	0	0	0
Total	829	640	28	4	144	0	13
Nanaimo							
Domestic	1,179	476	331	10	336	24	2
Transborder	25	7	6	0	12	0	0
Other international	0	0	0	0	0	0	0
Total	1,204	483	337	10	348	24	2
Norman Wells							
Domestic	889	516	236	8	125	4	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	889	516	236	8	125	4	0
North Bay							
Domestic	912	560	95	139	102	8	8
Transborder	4	2	0	0	0	0	2
Other international	0	0	0	0	0	0	0
Total	916	562	95	139	102	8	10
Ottawa/Gatineau							
Domestic	419	62	51	103	196	7	0
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	421	62	51	103	198	7	0
Peace River							
Domestic	379	317	24	4	28	6	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	379	317	24	4	28	6	0
Penticton							
Domestic	456	281	94	24	35	2	20
Transborder	5	0	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	461	281	94	24	40	2	20
Port Hardy							
Domestic	426	327	34	6	11	34	14
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	426	327	34	6	11	34	14
Prince Albert							
Domestic	1,334	1,201	6	2	37	88	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,334	1,201	6	2	37	88	0

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Prince Rupert							
Domestic	255	211	4	0	10	28	2
Transborder	3	0	0	0	0	0	3
Other international	0	0	0	0	0	0	0
Total	258	211	4	0	10	28	5
Rankin Inlet							
Domestic	816	789	4	11	2	6	4
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	816	789	4	11	2	6	4
Red Deer Regional							
Domestic	1,143	494	340	47	235	25	2
Transborder	9	2	1	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	1,152	496	341	47	241	25	2
Rouyn-Noranda							
Domestic	1,024	770	148	0	82	24	0
Transborder	0	0	0	0	0	0	0
Other international	1	1	0	0	0	0	0
Total	1,025	771	148	0	82	24	0
Saint John							
Domestic	831	607	63	13	143	5	0
Transborder	69	6	0	0	63	0	0
Other international	3	0	0	0	3	0	0
Total	903	613	63	13	209	5	0
Sept-Îles							
Domestic	1,921	1,366	418	11	44	82	0
Transborder	3	0	0	2	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,924	1,366	418	13	45	82	0
Sioux Lookout							
Domestic	2,165	1,786	130	216	17	16	0
Transborder	2	0	0	2	0	0	0
Other international	0	0	0	0	0	0	0
Total	2,167	1,786	130	218	17	16	0
Smithers							
Domestic	442	379	46	6	10	1	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	442	379	46	6	10	1	0
St. Catharines							
Domestic	517	2	357	6	148	4	0
Transborder	18	2	2	0	14	0	0
Other international	0	0	0	0	0	0	0
Total	535	4	359	6	162	4	0
Sudbury							
Domestic	2,014	1,454	178	165	163	50	4
Transborder	8	3	0	0	5	0	0
Other international	1	1	0	0	0	0	0
Total	2,023	1,458	178	165	168	50	4
Terrace							
Domestic	1,225	667	476	7	45	22	8
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,227	667	476	7	47	22	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								
Thompson								
Domestic	2,243	1,867	202	6	7	159	2	
Transborder	0	0	0	0	0	0	0	
Other international	1	1	0	0	0	0	0	
Total	2,244	1,868	202	6	7	159	2	
Timmins								
Domestic	2,095	1,956	45	4	70	18	2	
Transborder	1	0	1	0	0	0	0	
Other international	1	1	0	0	0	0	0	
Total	2,097	1,957	46	4	70	18	2	
Val-d'Or								
Domestic	807	669	48	2	53	33	2	
Transborder	0	0	0	0	0	0	0	
Other international	3	3	0	0	0	0	0	
Total	810	672	48	2	53	33	2	
Victoria Harbour								
Domestic	1,367	1,256	5	0	3	90	13	
Transborder	135	135	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,502	1,391	5	0	3	90	13	
Wabush								
Domestic	1,235	1,045	141	7	32	10	0	
Transborder	0	0	0	0	0	0	0	
Other international	1	0	0	1	0	0	0	
Total	1,236	1,045	141	8	32	10	0	
Whitecourt								
Domestic	385	34	114	192	37	2	6	
Transborder	1	0	0	1	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	386	34	114	193	37	2	6	
Williams Lake								
Domestic	467	382	44	4	35	0	2	
Transborder	1	0	0	0	1	0	0	
Other international	0	0	0	0	0	0	0	
Total	468	382	44	4	36	0	2	
Total of all flight service stations (51)								
Domestic	46,837	33,697	6,683	1,567	3,567	1,168	155	
Transborder	627	359	23	10	221	0	14	
Other international	49	19	2	1	21	0	6	
Total	47,513	34,075	6,708	1,578	3,809	1,168	175	

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	17	5,181	5	11	104	18	537
Boundary Bay	12	5,648	5	15	104	4	525
Calgary International	3	19,968	4	18	61	19	813
Calgary/Springbank	14	5,493	12	15	95	12	512
Chicoutimi/St-Honoré	39	1,255	3	9	77	4	413
Edmonton International	5	13,207	4	16	49	10	558
Edmonton/Villeneuve	38	1,318	21	15	40	19	146
Fort McMurray	24	3,580	18	9	26	18	197
Fredericton International	15	5,431	11	16	71	7	476
Gander International	34	2,129	6	7	37	18	190
Halifax/Robert L. Stanfield International	11	6,359	5	16	34	5	302
Hamilton	33	2,351	3	10	23	3	170
Kelowna	19	4,748	13	9	58	13	247
Kitchener/Waterloo	18	4,994	16	16	84	3	498
Langley	35	2,058	11	15	52	19	162
London	22	3,994	7	18	81	6	466
Moncton/Greater Moncton International	26	3,288	11	14	38	11	278
Montréal/Pierre Elliott Trudeau International	4	17,431	3	18	56	3	654
Montréal/St-Hubert	13	5,645	8	11	117	4	805
Oshawa	36	1,862	8	13	69	3	296
Ottawa/Macdonald-Cartier International	7	10,827	8	14	87	6	625
Pitt Meadows	30	2,493	8	15	76	8	263
Prince George	32	2,374	9	14	40	5	142
Québec/Jean Lesage International	10	6,491	4	15	79	6	451
Regina International	25	3,372	10	19	33	17	246
Saskatoon/John G. Diefenbaker International	16	5,363	10	15	45	17	353
Sault Ste. Marie	29	2,569	1	19	84	8	321
St. John's International	27	3,199	20	18	22	18	144
St-Jean	41	760	4	11	42	4	147
Thunder Bay	21	4,220	1	9	67	1	379
Toronto/Billy Bishop Toronto City	9	7,503	27	12	67	27	405
Toronto/Buttonville Municipal	28	2,861	3	14	97	3	606
Toronto/Lester B. Pearson International	1	34,427	19	18	92	19	1,299
Vancouver Harbour	31	2,397	3	15	20	4	133
Vancouver International	2	22,984	19	8	71	19	903
Victoria International	6	11,008	11	14	108	2	753
Whitehorse International	40	824	1	14	27	8	53
Windsor	37	1,807	30	15	30	30	122
Winnipeg/James Armstrong Richardson International	8	9,514	17	11	65	17	467
Winnipeg/St. Andrews	20	4,662	17	13	72	17	384
Yellowknife	23	3,583	6	11	41	3	254

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	38	661	20	14	37	20	126
Campbell River	21	1,249	19	15	36	19	116
Castlegar	49	320	16	15	9	19	27
Charlottetown	44	531	7	11	8	7	33
Churchill	39	660	13	15	8	13	39
Cranbrook	34	847	5	13	12	20	48
Deer Lake	22	1,244	26	12	13	26	60
Fort Nelson	31	978	4	11	23	4	60
Fort St. John	19	1,298	9	15	17	5	68
Grande Prairie	11	2,011	8	11	32	3	121
High Level	43	545	4	10	27	3	105
Îles-de-la-Madeleine	50	311	24	13	5	24	17
Inuvik/Mike Zubko	37	736	11	14	8	3	45
Iqaluit	24	1,158	3	14	11	6	58
Kamloops	2	2,561	15	13	48	4	159
Kenora	42	554	11	9	14	12	49
Kingston	16	1,426	12	19	34	3	115
Kuujuuaq	32	890	25	13	44	25	44
La Grande Rivière	40	608	12	11	8	13	32
La Ronge	15	1,462	19	16	24	19	89
Lethbridge	30	981	12	18	31	1	112
Lloydminster	36	798	7	11	41	8	115
Medicine Hat	29	994	13	13	22	13	78
Mont-Joli	41	562	17	8	7	10	38
Montréal/Mirabel International	6	2,195	11	14	57	11	177
Nanaimo	13	1,642	28	12	31	28	137
Norman Wells	1	2,853	9	8	31	16	205
North Bay	8	2,158	7	10	65	7	238
Ottawa/Gatineau	12	1,699	19	12	57	19	179
Peace River	48	391	7	14	7	10	25
Penticton	17	1,409	3	11	47	3	229
Port Hardy	47	454	18	15	17	18	51
Prince Albert	18	1,358	4	13	14	18	78
Prince Rupert	51	258	12	15	9	23	18
Rankin Inlet	35	824	11	14	9	6	43
Red Deer Regional	5	2,202	1	15	58	15	195
Rouyn-Noranda	26	1,047	14	12	13	3	68
Saint John	25	1,081	12	14	17	12	83
Sept-Îles	10	2,074	10	14	34	10	178
Sioux Lookout	7	2,177	4	8	15	10	115
Smithers	46	466	11	11	10	11	34
St. Catharines	28	1,005	7	10	26	3	99
Sudbury	3	2,477	8	16	28	13	183
Terrace	20	1,269	2	13	15	5	73
Thompson	4	2,280	2	13	16	10	118
Timmins	9	2,137	10	9	13	18	109
Val-d'Or	33	860	8	14	18	6	51
Victoria Harbour	14	1,506	11	8	16	2	90
Wabush	23	1,238	20	13	16	20	88
Whitecourt	27	1,020	9	15	59	9	158
Williams Lake	45	484	10	13	10	10	32

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	29	1,769	4	14	21	4	145
Boundary Bay	23	2,352	7	15	44	7	248
Calgary International	3	19,842	4	18	61	19	809
Calgary/Springbank	25	2,115	16	13	26	11	169
Chicoutimi/St-Honoré	40	385	4	10	12	4	79
Edmonton International	5	13,067	16	8	46	10	550
Edmonton/Villeneuve	39	456	10	14	11	8	44
Fort McMurray	15	3,526	18	9	26	18	197
Fredericton International	20	2,601	12	11	21	12	207
Gander International	33	1,307	1	10	14	1	87
Halifax/Robert L. Stanfield International	8	6,109	14	12	22	19	271
Hamilton	26	1,943	24	2	13	3	114
Kelowna	14	3,622	19	14	26	19	166
Kitchener/Waterloo	28	1,872	3	13	29	3	220
Langley	37	768	8	13	16	19	82
London	24	2,168	16	15	22	16	181
Moncton/Greater Moncton International	21	2,412	7	12	17	11	168
Montréal/Pierre Elliott Trudeau International	4	17,363	3	18	56	3	650
Montréal/St-Hubert	19	2,729	8	11	41	8	313
Oshawa	35	1,058	8	13	31	3	178
Ottawa/Macdonald-Cartier International	7	8,751	12	9	44	6	445
Pitt Meadows	36	771	8	15	24	8	109
Prince George	30	1,738	24	10	19	3	84
Québec/Jean Lesage International	11	5,353	10	8	25	4	271
Regina International	18	2,828	17	14	15	17	160
Saskatoon/John G. Diefenbaker International	12	4,375	5	16	26	17	231
Sault Ste. Marie	32	1,457	2	17	14	2	120
St. John's International	16	3,109	18	12	13	18	138
St-Jean	41	202	4	11	10	8	34
Thunder Bay	13	3,634	13	16	27	13	170
Toronto/Billy Bishop Toronto City	9	5,661	8	13	31	8	272
Toronto/Buttonville Municipal	31	1,579	8	13	39	3	268
Toronto/Lester B. Pearson International	1	34,393	19	18	92	19	1,293
Vancouver Harbour	22	2,393	3	15	20	4	133
Vancouver International	2	22,960	19	8	71	19	903
Victoria International	10	5,562	19	13	36	19	332
Whitehorse International	38	684	5	15	7	4	44
Windsor	34	1,229	18	16	11	16	68
Winnipeg/James Armstrong Richardson International	6	8,844	17	11	33	18	387
Winnipeg/St. Andrews	27	1,884	11	16	21	17	144
Yellowknife	17	2,975	3	15	18	3	138

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	316	20	14	7	20	27
Campbell River	28	815	19	14	9	18	57
Castlegar	50	286	19	9	6	19	21
Charlottetown	38	513	7	9	5	5	30
Churchill	33	660	13	15	8	13	39
Cranbrook	25	821	20	12	9	20	48
Deer Lake	14	1,216	13	8	10	23	59
Fort Nelson	19	952	23	10	13	3	56
Fort St. John	11	1,254	18	11	14	5	68
Grande Prairie	6	1,765	8	11	14	3	105
High Level	47	357	3	12	8	4	34
Îles-de-la-Madeleine	49	305	24	13	5	24	17
Inuvik/Mike Zubko	32	732	11	14	8	3	45
Iqaluit	16	1,158	3	14	11	6	58
Kamloops	7	1,558	4	12	13	4	91
Kenora	39	476	12	9	5	12	41
Kingston	21	908	8	15	14	8	80
Kuuujuaq	30	778	1	14	8	2	36
La Grande Rivière	34	600	12	11	8	13	32
La Ronge	10	1,286	19	16	12	11	69
Lethbridge	31	739	13	15	9	12	48
Lloydminster	35	570	8	14	16	8	65
Medicine Hat	26	816	13	13	10	11	52
Mont-Joli	36	558	17	8	7	10	36
Montréal/Mirabel International	24	829	12	22	7	18	51
Nanaimo	15	1,204	28	11	15	4	79
Norman Wells	23	889	2	12	10	16	53
North Bay	20	916	8	16	10	11	73
Ottawa/Gatineau	44	421	8	13	17	8	77
Peace River	46	379	10	9	6	10	25
Penticton	41	461	11	9	6	3	35
Port Hardy	43	426	10	14	6	18	35
Prince Albert	9	1,334	4	13	14	11	76
Prince Rupert	51	258	12	15	9	23	18
Rankin Inlet	27	816	11	14	9	6	43
Red Deer Regional	17	1,152	15	12	16	15	79
Rouyn-Noranda	18	1,025	17	9	10	3	68
Saint John	22	903	5	12	6	19	54
Sept-Îles	5	1,924	9	9	14	20	101
Sioux Lookout	2	2,167	4	8	15	10	115
Smithers	42	442	4	10	8	18	25
St. Catharines	37	535	28	16	12	3	63
Sudbury	4	2,023	6	9	15	13	115
Terrace	13	1,227	3	8	14	5	71
Thompson	1	2,244	17	16	15	10	112
Timmins	3	2,097	12	12	13	18	101
Val-d'Or	29	810	11	20	8	6	47
Victoria Harbour	8	1,502	11	8	16	2	90
Wabush	12	1,236	20	13	16	20	88
Whitecourt	45	386	4	15	8	4	38
Williams Lake	40	468	30	12	7	18	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	2	3,412	5	11	92	18	422
Boundary Bay	4	3,296	5	15	74	3	334
Calgary International	35	126	6	11	8	6	14
Calgary/Springbank	3	3,378	12	15	80	12	388
Chicoutimi/St-Honoré	20	870	3	9	68	4	334
Edmonton International	33	140	4	16	8	15	20
Edmonton/Villeneuve	21	862	21	15	38	19	110
Fort McMurray	38	54	4	17	8	4	16
Fredericton International	7	2,830	11	16	56	11	306
Gander International	22	822	15	16	32	18	122
Halifax/Robert L. Stanfield International	32	250	5	12	18	5	58
Hamilton	31	408	6	14	18	3	56
Kelowna	16	1,126	17	18	50	9	122
Kitchener/Waterloo	5	3,122	1	19	70	16	292
Langley	13	1,290	11	15	44	2	126
London	11	1,826	7	18	66	6	330
Moncton/Greater Moncton International	19	876	7	11	24	8	116
Montréal/Pierre Elliott Trudeau International	37	68	14	0	8	14	10
Montréal/St-Hubert	6	2,916	11	11	84	4	500
Oshawa	23	804	8	13	38	3	118
Ottawa/Macdonald-Cartier International	9	2,076	8	14	56	8	224
Pitt Meadows	12	1,722	8	15	52	8	154
Prince George	25	636	9	14	40	9	82
Québec/Jean Lesage International	15	1,138	4	15	56	6	224
Regina International	30	544	10	19	30	19	94
Saskatoon/John G. Diefenbaker International	18	988	17	13	28	17	122
Sault Ste. Marie	17	1,112	1	19	82	8	236
St. John's International	36	90	20	18	14	1	22
St-Jean	29	558	4	11	32	4	114
Thunder Bay	27	586	1	9	58	1	242
Toronto/Billy Bishop Toronto City	10	1,842	27	12	52	27	206
Toronto/Buttonville Municipal	14	1,282	3	14	64	3	338
Toronto/Lester B. Pearson International	39	34	3	6	2	19	6
Vancouver Harbour	41	4	7	16	2	7	2
Vancouver International	40	24	20	7	4	20	6
Victoria International	1	5,446	11	14	84	2	518
Whitehorse International	34	140	1	14	24	1	30
Windsor	28	578	30	15	22	1	70
Winnipeg/James Armstrong Richardson International	24	670	17	11	32	17	84
Winnipeg/St. Andrews	8	2,778	17	13	54	6	258
Yellowknife	26	608	4	15	26	3	116

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	345	20	15	32	20	99
Campbell River	13	434	19	15	32	6	70
Castlegar	30	34	19	14	6	16	10
Charlottetown	38	18	7	11	4	7	6
Churchill	0	0	0	0	0	0	0
Cranbrook	34	26	5	13	10	5	10
Deer Lake	31	28	26	12	10	26	24
Fort Nelson	33	26	4	11	14	4	14
Fort St. John	26	44	28	14	12	9	16
Grande Prairie	15	246	17	11	22	17	46
High Level	18	188	2	12	26	3	72
Îles-de-la-Madeleine	44	6	11	21	2	11	2
Inuvik/Mike Zubko	46	4	7	14	2	7	2
Iqaluit	0	0	0	0	0	0	0
Kamloops	6	1,003	15	13	38	12	78
Kenora	24	78	11	9	10	26	16
Kingston	9	518	12	19	32	12	76
Kuujuuaq	23	112	25	13	42	25	42
La Grande Rivière	43	8	2	9	4	2	4
La Ronge	21	176	4	11	12	19	26
Lethbridge	16	242	12	18	26	1	74
Lloydminster	17	228	7	11	36	8	50
Medicine Hat	20	178	11	13	14	13	26
Mont-Joli	47	4	10	8	2	10	2
Montréal/Mirabel International	2	1,366	11	14	56	11	134
Nanaimo	12	438	8	14	20	28	72
Norman Wells	1	1,964	6	8	30	16	152
North Bay	4	1,242	7	10	60	7	194
Ottawa/Gatineau	3	1,278	19	12	52	19	160
Peace River	40	12	5	14	4	5	4
Penticton	7	948	3	11	44	3	194
Port Hardy	32	28	18	15	14	18	16
Prince Albert	35	24	26	17	6	5	6
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	42	8	8	18	2	8	2
Red Deer Regional	5	1,050	1	15	46	15	116
Rouyn-Noranda	37	22	14	12	12	14	12
Saint John	19	178	12	14	16	12	36
Sept-Îles	22	150	10	14	28	10	96
Sioux Lookout	41	10	5	13	4	5	4
Smithers	36	24	7	16	6	11	14
St. Catharines	10	470	1	13	20	5	50
Sudbury	11	454	8	16	24	8	68
Terrace	27	42	2	13	12	2	16
Thompson	29	36	2	13	8	2	14
Timmins	28	40	11	11	4	11	8
Val-d'Or	25	50	8	14	14	8	20
Victoria Harbour	45	4	11	11	2	11	2
Wabush	48	2	13	9	2	13	2
Whitecourt	8	634	9	15	52	9	128
Williams Lake	39	16	9	12	6	10	8

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	2	3,412	5	11	92	18	422
Boundary Bay	4	3,296	5	15	74	3	334
Calgary International	35	126	6	11	8	6	14
Calgary/Springbank	3	3,378	12	15	80	12	388
Chicoutimi/St-Honoré	20	870	3	9	68	4	334
Edmonton International	34	130	4	16	8	15	20
Edmonton/Villeneuve	21	862	21	15	38	19	110
Fort McMurray	38	50	4	17	8	4	16
Fredericton International	7	2,830	11	16	56	11	306
Gander International	22	822	15	16	32	18	122
Halifax/Robert L. Stanfield International	32	250	5	12	18	5	58
Hamilton	31	408	6	14	18	3	56
Kelowna	16	1,126	17	18	50	9	122
Kitchener/Waterloo	5	3,122	1	19	70	16	292
Langley	13	1,290	11	15	44	2	126
London	11	1,826	7	18	66	6	330
Moncton/Greater Moncton International	19	876	7	11	24	8	116
Montréal/Pierre Elliott Trudeau International	37	66	14	0	8	14	10
Montréal/St-Hubert	6	2,916	11	11	84	4	500
Oshawa	23	804	8	13	38	3	118
Ottawa/Macdonald-Cartier International	9	2,070	8	14	56	8	224
Pitt Meadows	12	1,722	8	15	52	8	154
Prince George	25	636	9	14	40	9	82
Québec/Jean Lesage International	15	1,136	4	15	56	6	224
Regina International	30	434	10	19	30	17	72
Saskatoon/John G. Diefenbaker International	18	936	17	13	28	17	122
Sault Ste. Marie	17	1,108	1	19	82	8	236
St. John's International	36	90	20	18	14	1	22
St-Jean	29	558	4	11	32	4	114
Thunder Bay	27	582	1	9	58	1	242
Toronto/Billy Bishop Toronto City	10	1,842	27	12	52	27	206
Toronto/Buttonville Municipal	14	1,282	3	14	64	3	338
Toronto/Lester B. Pearson International	39	34	3	6	2	19	6
Vancouver Harbour	41	4	7	16	2	7	2
Vancouver International	40	24	20	7	4	20	6
Victoria International	1	5,446	11	14	84	2	518
Whitehorse International	33	140	1	14	24	1	30
Windsor	28	578	30	15	22	1	70
Winnipeg/James Armstrong Richardson International	24	666	17	11	32	17	84
Winnipeg/St. Andrews	8	2,778	17	13	54	6	258
Yellowknife	26	608	4	15	26	3	116

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	345	20	15	32	20	99
Campbell River	13	434	19	15	32	6	70
Castlegar	30	34	19	14	6	16	10
Charlottetown	37	18	7	11	4	7	6
Churchill	0	0	0	0	0	0	0
Cranbrook	34	26	5	13	10	5	10
Deer Lake	31	28	26	12	10	26	24
Fort Nelson	33	26	4	11	14	4	14
Fort St. John	26	44	28	14	12	9	16
Grande Prairie	15	246	17	11	22	17	46
High Level	18	188	2	12	26	3	72
Îles-de-la-Madeleine	44	6	11	21	2	11	2
Inuvik/Mike Zubko	45	4	7	14	2	7	2
Iqaluit	0	0	0	0	0	0	0
Kamloops	6	997	15	13	38	12	78
Kenora	24	78	11	9	10	26	16
Kingston	9	518	12	19	32	12	76
Kuujuuaq	23	112	25	13	42	25	42
La Grande Rivière	42	8	2	9	4	2	4
La Ronge	21	176	4	11	12	19	26
Lethbridge	16	242	12	18	26	1	74
Lloydminster	17	228	7	11	36	8	50
Medicine Hat	19	178	11	13	14	13	26
Mont-Joli	46	4	10	8	2	10	2
Montréal/Mirabel International	2	1,350	11	14	56	11	134
Nanaimo	12	438	8	14	20	28	72
Norman Wells	1	1,964	6	8	30	16	152
North Bay	4	1,242	7	10	60	7	194
Ottawa/Gatineau	3	1,278	19	12	52	19	160
Peace River	40	12	5	14	4	5	4
Penticton	7	948	3	11	44	3	194
Port Hardy	32	28	18	15	14	18	16
Prince Albert	38	16	26	17	6	26	6
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	43	8	8	18	2	8	2
Red Deer Regional	5	1,050	1	15	46	15	116
Rouyn-Noranda	36	22	14	12	12	14	12
Saint John	20	178	12	14	16	12	36
Sept-Îles	22	150	10	14	28	10	96
Sioux Lookout	41	10	5	13	4	5	4
Smithers	35	24	7	16	6	11	14
St. Catharines	10	470	1	13	20	5	50
Sudbury	11	454	8	16	24	8	68
Terrace	27	42	2	13	12	2	16
Thompson	29	36	2	13	8	2	14
Timmins	28	40	11	11	4	11	8
Val-d'Or	25	48	8	14	14	8	20
Victoria Harbour	47	4	11	11	2	11	2
Wabush	48	2	13	9	2	13	2
Whitecourt	8	634	9	15	52	9	128
Williams Lake	39	16	9	12	6	10	8

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	0	0	0	0	0	0	0
Edmonton International	3	10	10	13	6	10	6
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	5	4	11	9	2	11	2
Fredericton International	0	0	0	0	0	0	0
Gander International	0	0	0	0	0	0	0
Halifax/Robert L. Stanfield International	0	0	0	0	0	0	0
Hamilton	0	0	0	0	0	0	0
Kelowna	0	0	0	0	0	0	0
Kitchener/Waterloo	0	0	0	0	0	0	0
Langley	0	0	0	0	0	0	0
London	0	0	0	0	0	0	0
Moncton/Greater Moncton International	0	0	0	0	0	0	0
Montréal/Pierre Elliott Trudeau International	9	2	12	11	2	12	2
Montréal/St-Hubert	0	0	0	0	0	0	0
Oshawa	0	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	4	6	19	8	2	19	2
Pitt Meadows	0	0	0	0	0	0	0
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	10	2	10	13	2	10	2
Regina International	1	110	19	15	10	10	24
Saskatoon/John G. Diefenbaker International	2	52	3	12	12	3	16
Sault Ste. Marie	6	4	7	16	2	7	2
St. John's International	0	0	0	0	0	0	0
St-Jean	0	0	0	0	0	0	0
Thunder Bay	8	4	6	12	4	6	4
Toronto/Billy Bishop Toronto City	0	0	0	0	0	0	0
Toronto/Buttonville Municipal	0	0	0	0	0	0	0
Toronto/Lester B. Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	0	0	0	0	0	0	0
Vancouver International	0	0	0	0	0	0	0
Victoria International	0	0	0	0	0	0	0
Whitehorse International	0	0	0	0	0	0	0
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	7	4	15	12	4	15	4
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	0	0	0	0	0	0	0

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	0	0	0	0	0	0	0
Campbell River	0	0	0	0	0	0	0
Castlegar	0	0	0	0	0	0	0
Charlottetown	0	0	0	0	0	0	0
Churchill	0	0	0	0	0	0	0
Cranbrook	0	0	0	0	0	0	0
Deer Lake	0	0	0	0	0	0	0
Fort Nelson	0	0	0	0	0	0	0
Fort St. John	0	0	0	0	0	0	0
Grande Prairie	0	0	0	0	0	0	0
High Level	0	0	0	0	0	0	0
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	0	0	0	0	0	0	0
Iqaluit	0	0	0	0	0	0	0
Kamloops	3	6	13	14	6	13	6
Kenora	0	0	0	0	0	0	0
Kingston	0	0	0	0	0	0	0
Kuujuuaq	0	0	0	0	0	0	0
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	0	0	0	0	0	0	0
Lethbridge	0	0	0	0	0	0	0
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	0	0	0	0	0	0	0
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	1	16	12	11	16	12	16
Nanaimo	0	0	0	0	0	0	0
Norman Wells	0	0	0	0	0	0	0
North Bay	0	0	0	0	0	0	0
Ottawa/Gatineau	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	0
Penticton	0	0	0	0	0	0	0
Port Hardy	0	0	0	0	0	0	0
Prince Albert	2	8	3	16	2	5	6
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	4	2	3	12	2	3	2
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, maximum take-off weights, types of power plant (piston, jet or turboprop); whether the aircraft are fixed wing, helicopters or gliders. This information also provides a basis for identifying type of flights (commercial, private and government) and the geographical area in which the flights take place.

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

Data quality and limitations

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

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

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

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

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

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

Appendix I

Factors influencing the data

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

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

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

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

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

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

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

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

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

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

Appendix II

Glossary of terms

Air carrier

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

Level I: Effective 2010, this includes every Canadian air carrier that, in the calendar year immediately preceding the reporting year, transported at least 2 million revenue passengers or at least 400 thousand tonnes of cargo.

Level II: Effective 2010, this includes every Canadian air carrier that, in the calendar year immediately preceding the reporting year, transported at least 100 thousand, but fewer than 2 million revenue passengers, or at least 50 thousand but less than 400 thousand tonnes of cargo.

Level III. Effective 2010, this includes every Canadian air carrier not classified in reporting level I or II that, in the calendar year immediately preceding the reporting year, realized gross revenues of at least 2 million dollars for the provision of air services for which the air carrier held a licence.

Level IV. Effective 2010, this includes every Canadian air carrier not classified in reporting level I, II or III that, in the calendar year immediately preceding the reporting year, realized gross revenues of less than 2 million dollars for the provision of air services for which the air carrier held a licence.

Aircraft movement

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

Class of operation

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

Commercial

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

Domestic itinerant movements

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

FSS

Flight service station.

Government-Civil

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

Government-Military

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

I.F.R. flight

A flight conducted in accordance with Instrument Flight Rules.

International movements

Movements, at a Canadian airport, of aircraft arriving from or departing to a point outside Canada. International movements are subclassified into "transborder" (to or from a point in the United States including Alaska, Hawaii, and Puerto Rico), and "other international" (to or from points in countries other than Canada and the United States). Since aircraft movements are reported on the basis of place "arrived from" or "departed to", an arrival at Halifax airport from London, England would appear under "other international". If the same aircraft moved on to Toronto, both the departure at Halifax and the arrival at Toronto would be shown as "domestic".

Itinerant movements

At airports with control towers and/or flight service stations: for the purpose of completing air traffic records, itinerant movements are considered as movements in which aircraft proceed to or arrive from another location; or where aircraft leave the circuit but return without landing at another airport. At airports without control towers: an aircraft movement in which the aircraft arrives from or departs to a point other than the reporting airport; or a movement by an aircraft that leaves the close proximity of an airport and returns without landing at another airport.

Local movements

At airports with control towers and/or flight service stations: for the purpose of completing air traffic records, local movements are considered as movements in which the aircraft remains in the circuit. At airports without control towers: an aircraft movement in which the aircraft remains in the close proximity of the airport. Local movements are often carried out during training flights (touch-and-go), equipment tests, etc.

Maximum take-off weight

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

Other commercial

Flights performed by Commercial aircraft operators not included in the Air carrier categories. Flying schools, agricultural sprayers, water-bombers, aerial photography and survey, etc.

Power plant

The source of propulsion. For example, piston engines, turbo-propellers and jet engines. "Helicopters", in this report, include both piston and turboshaft-driven engines.

Private aircraft

Aircraft used solely for private purposes, not for hire and compensation, which are classified as "Private" or "Private Restricted" in the Canadian civil aircraft register or similar registries of other countries. Owners include individuals, groups and business firms.

Runway 88

Through control zone flights, i.e. flights which communicate with the tower while transiting the tower control zone to another destination without landing at the reporting airport.

Data for these runways are not included in the grand total.

Simulated approaches

Movements that are either missed instrument or practice instrument approaches without landing.

TC

Transport Canada.

Tower control zone

A controlled airspace within the proximity of an air traffic control tower, usually within a radius of less than 24 kilometres of the tower.

V.F.R. flight

A flight conducted in accordance with Visual flight rules.

Weight group

The classification of weight classes in groups for statistical purposes.