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



May 2013



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Statistics Canada
Transportation Division

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

May 2013

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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

There were 492,467 aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in May 2013 compared with 538,291 movements in May 2012. This represents a decrease of 8.5%.

Itinerant movements (flights from one airport to another) decreased 6.9% (-26,088 movements) in May 2013 from the same month in 2012. These airports reported 352,262 movements compared with 378,350 movements in May 2012.

There were 140,205 local movements (flights that remain in the vicinity of the airport) in May 2013 compared with 159,941 movements in May 2012 (a decrease of 12.3%).

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, May 2012 to May 2013	number	Percentage change, May 2012 to May 2013	number	Percentage change, May 2012 to May 2013
Grand total	386,759	-8.4	105,708	-8.9	492,467	-8.5
Itinerant movements						
Air carriers	212,184	-6.0	56,880	-7.2	269,064	-6.3
Other commercial movements	24,168	-4.3	3,776	14.0	27,944	-2.2
Private movements	29,686	-9.5	11,707	-15.1	41,393	-11.2
Government civil movements	5,155	-8.3	2,656	-24.5	7,811	-14.5
Government military movements	4,185	-15.5	1,865	-7.3	6,050	-13.1
Itinerant total	275,378	-6.5	76,884	-8.4	352,262	-6.9
Local movements						
Civil local movements	110,889	-12.8	28,733	-9.3	139,622	-12.1
Military local movements	492	-24.7	91	-77.1	583	-44.5
Local total	111,381	-12.9	28,824	-10.2	140,205	-12.3

Analysis

There were 492,467 aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in May 2013 compared with 538,291 movements in May 2012. Year-over-year decreases were reported by 64 airports. Toronto/Lester B. Pearson International, Ontario (35,824 movements) and Vancouver International, British Columbia (25,383 movements) were the most active sites in May.

Itinerant movements (flights from one airport to another) decreased 6.9% (-26,088 movements) in May 2013 from the same month the previous year. These airports reported 352,262 movements compared with 378,350 movements in May 2012. Year-over-year variations ranged from an increase of 1,841 movements (+30.6%) at Fort McMurray, Alberta to a drop of 2,157 movements (-28.5%) at Toronto/Buttontown Municipal, Ontario. Seventy-three airports reported year-over-year decreases in the number of itinerant aircraft movements in May 2013.

In May 2013, there were 140,205 local movements (flights that remain in the vicinity of the airport) recorded. This represents a decrease of 12.3% (-19,736 movements) compared with the previous year. Boundary Bay, British Columbia (8,686 movements) and Montréal/St-Hubert, Quebec (8,670 movements) recorded the largest number of local movements.

Itinerant movements: domestic, transborder and international

There were 300,891 domestic itinerant movements reported by 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in May 2013, down 7.4% (-23,981 movements) from May 2012. Vancouver International, British Columbia (19,331 movements) and Calgary International, Alberta (15,763 movements) reported the greatest number of domestic itinerant movements. Seventy-two airports reported year-over-year decreases in the number of domestic movements in May 2013.

Eighty-one airports recorded 41,517 transborder itinerant movements (between Canada and the United States) in May 2013, down 4.2% (-1,835 movements) from the same month in 2012. Toronto/Lester B. Pearson International, Ontario (15,229 movements) reported the greatest number of transborder itinerant movements.

In May 2013, thirty-eight airports reported 9,854 other international itinerant movements, down 2.7% from May 2012. Toronto/Lester B. Pearson International, Ontario, recorded 4,734 other international itinerant movements. This represents 48.0% of the total other international itinerant movements reported.

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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401-0015	Aircraft movements, by civil and military movements, airports with NAV CANADA flight service stations, monthly
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401-0017	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA flight service stations, monthly

401-0018	Itinerant movements, by type of power plant, airports with NAV CANADA flight service stations, monthly
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401-0036	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA flight service stations, annual
401-0037	Annual aircraft movements, by class of operation and type of operation, airports without air traffic control towers
401-0038	Annual itinerant movements, by weight group and type of power plant, airports without air traffic control towers

Selected surveys from Statistics Canada

2715	Aircraft Movement Statistics
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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	10,447	25	3,655	4	6,792
Boundary Bay	6	14,467	15	5,781	1	8,686
Calgary International	3	19,932	3	19,728	38	204
Calgary/Springbank	9	11,775	19	5,047	5	6,728
Chicoutimi/St-Honoré	23	6,977	35	2,405	8	4,572
Edmonton City Centre	37	3,998	27	3,446	34	552
Edmonton International	8	13,064	5	12,694	35	370
Edmonton/Villeneuve	29	5,084	41	1,732	14	3,352
Fort McMurray	17	8,745	8	7,865	31	880
Fredericton International	25	6,715	28	3,085	12	3,630
Gander International	41	2,784	39	1,820	30	964
Halifax/Robert L. Stanfield International	22	7,205	13	6,889	36	316
Hamilton	40	3,283	37	2,233	29	1,050
Kelowna	24	6,726	21	4,422	21	2,304
Kitchener/Waterloo	10	11,574	20	4,576	3	6,998
Langley	34	4,665	34	2,411	22	2,254
London	26	6,449	22	3,723	15	2,726
Moncton/Greater Moncton International	35	4,313	29	3,037	28	1,276
Montréal/Pierre Elliott Trudeau International	4	18,341	4	18,185	39	156
Montréal/St-Hubert	5	15,866	11	7,196	2	8,670
Oshawa	33	4,669	33	2,613	23	2,056
Ottawa/Macdonald-Cartier International	7	14,095	6	10,693	13	3,402
Pitt Meadows	19	8,115	31	2,751	6	5,364
Prince George	32	4,813	36	2,291	18	2,522
Québec/Jean Lesage International	11	11,215	10	7,519	11	3,696
Regina International	31	4,970	26	3,621	27	1,349
Saskatoon/John G. Diefenbaker International	18	8,164	14	5,810	20	2,354
Sault Ste. Marie	27	5,400	32	2,696	16	2,704
St. John's International	38	3,978	23	3,700	37	278
St-Jean	39	3,624	40	1,764	25	1,860
Thunder Bay	20	7,843	17	5,335	19	2,508
Toronto/Billy Bishop Toronto City	15	10,337	9	7,651	17	2,686
Toronto/Buttonville Municipal	16	10,142	16	5,418	7	4,724
Toronto/Lester B. Pearson International	1	35,824	1	35,694	40	130
Vancouver Harbour	28	5,192	18	5,186	42	6
Vancouver International	2	25,383	2	25,351	41	32
Victoria International	12	11,026	12	7,190	10	3,836
Whitehorse International	36	4,021	38	2,001	24	2,020
Windsor	42	2,395	42	1,649	33	746
Winnipeg/James Armstrong Richardson International	13	10,633	7	9,875	32	758
Winnipeg/St. Andrews	21	7,462	30	2,966	9	4,496
Yellowknife	30	5,048	24	3,674	26	1,374
Total of NAV CANADA towers (42)	.	386,759	.	275,378	.	111,381

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	37	1,224	48	655	20	569
Campbell River	21	2,246	26	1,368	14	878
Castlegar	49	598	49	484	34	114
Charlottetown	41	1,057	41	863	30	194
Churchill	45	816	44	763	40	53
Cranbrook	38	1,135	36	1,015	33	120
Deer Lake	33	1,413	28	1,323	35	90
Fort Nelson	26	1,823	21	1,603	28	220
Fort St. John	12	2,800	13	2,034	16	766
Grande Prairie	3	4,547	2	3,171	6	1,376
High Level	27	1,792	25	1,440	24	352
Îles-de-la-Madeleine	50	415	50	377	44	38
Inuvik/Mike Zubko	43	990	37	984	50	6
Iqaluit	31	1,531	23	1,481	41	50
Kamloops	6	3,777	8	2,469	7	1,308
Kenora	34	1,363	39	925	22	438
Kingston	15	2,645	18	1,643	10	1,002
Kuujuuaq	40	1,104	35	1,022	38	82
La Grande Rivière	48	715	47	687	45	28
La Ronge	17	2,586	14	1,918	18	668
Lethbridge	13	2,705	16	1,759	11	946
Lloydminster	35	1,239	40	917	25	322
Medicine Hat	28	1,781	31	1,177	19	604
Mont-Joli	47	748	46	706	43	42
Montréal/Mirabel International	14	2,651	34	1,093	4	1,558
Nanaimo	8	3,598	11	2,094	5	1,504
Norman Wells	24	2,019	38	973	9	1,046
North Bay	2	4,675	15	1,791	1	2,884
Ottawa/Gatineau	7	3,727	20	1,615	3	2,112
Peace River	36	1,237	30	1,212	46	25
Penticton	22	2,169	29	1,235	12	934
Port Hardy	46	786	45	716	39	70
Prince Albert	20	2,261	12	2,081	31	180
Prince Rupert	51	259	51	259	0	0
Rankin Inlet	39	1,126	33	1,108	47	18
Red Deer Regional	1	5,309	4	2,830	2	2,479
Rouyn-Noranda	30	1,547	27	1,335	29	212
Saint John	32	1,435	32	1,171	26	264
Sept-Îles	9	3,004	10	2,310	17	694
Sioux Lookout	11	2,824	5	2,690	32	134
Smithers	42	1,011	43	779	27	232
St. Catharines	5	3,823	7	2,549	8	1,274
Sudbury	4	4,100	1	3,180	13	920
Terrace	23	2,022	19	1,624	23	398
Thompson	16	2,611	6	2,563	42	48
Timmins	19	2,484	9	2,396	36	88
Val-d'Or	25	1,966	24	1,448	21	518
Victoria Harbour	10	2,982	3	2,976	48	6
Wabush	29	1,571	22	1,565	49	6
Whitecourt	18	2,559	17	1,689	15	870
Williams Lake	44	902	42	818	37	84
Total of all flight service stations (51)	.	105,708	.	76,884	.	28,824

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			Local	Local	
	number							
Abbotsford	10,348	2,695	861	6,792	99	99	0	
Boundary Bay	14,460	3,950	1,824	8,686	7	7	0	
Calgary International	19,889	18,221	1,464	204	43	43	0	
Calgary/Springbank	11,745	3,524	1,493	6,728	30	30	0	
Chicoutimi/St-Honoré	6,977	2,223	182	4,572	0	0	0	
Edmonton City Centre	3,971	1,969	1,450	552	27	27	0	
Edmonton International	12,951	11,458	1,125	368	113	111	2	
Edmonton/Villeneuve	4,400	651	397	3,352	684	684	0	
Fort McMurray	8,733	6,793	1,066	874	12	6	6	
Fredericton International	6,681	2,841	210	3,630	34	34	0	
Gander International	2,655	1,332	359	964	129	129	0	
Halifax/Robert L. Stanfield International	7,068	6,484	288	296	137	117	20	
Hamilton	3,273	1,851	372	1,050	10	10	0	
Kelowna	6,647	3,598	771	2,278	79	53	26	
Kitchener/Waterloo	11,542	3,452	1,096	6,994	32	28	4	
Langley	4,156	1,154	748	2,254	509	509	0	
London	6,431	2,862	847	2,722	18	14	4	
Moncton/Greater Moncton International	4,300	2,703	329	1,268	13	5	8	
Montréal/Pierre Elliott Trudeau International	18,320	16,955	1,211	154	21	19	2	
Montréal/St-Hubert	15,794	5,686	1,438	8,670	72	72	0	
Oshawa	4,656	1,691	909	2,056	13	13	0	
Ottawa/Macdonald-Cartier International	13,939	9,841	704	3,394	156	148	8	
Pitt Meadows	8,095	1,296	1,439	5,360	20	16	4	
Prince George	4,740	1,782	436	2,522	73	73	0	
Québec/Jean Lesage International	11,135	6,185	1,258	3,692	80	76	4	
Regina International	4,632	2,893	678	1,061	338	50	288	
Saskatoon/John G. Diefenbaker International	7,989	4,757	944	2,288	175	109	66	
Sault Ste. Marie	5,372	2,329	343	2,700	28	24	4	
St. John's International	3,791	3,182	331	278	187	187	0	
St-Jean	2,925	245	820	1,860	699	699	0	
Thunder Bay	7,748	4,768	494	2,486	95	73	22	
Toronto/Billy Bishop Toronto City	10,331	7,105	540	2,686	6	6	0	
Toronto/Buttonville Municipal	10,140	2,956	2,460	4,724	2	2	0	
Toronto/Lester B. Pearson International	35,817	34,527	1,160	130	7	7	0	
Vancouver Harbour	5,192	5,143	43	6	0	0	0	
Vancouver International	25,370	24,336	1,002	32	13	13	0	
Victoria International	10,830	5,719	1,289	3,822	196	182	14	
Whitehorse International	4,017	1,490	507	2,020	4	4	0	
Windsor	2,395	1,181	468	746	0	0	0	
Winnipeg/James Armstrong Richardson International	10,237	8,607	874	756	396	394	2	
Winnipeg/St. Andrews	7,459	2,572	391	4,496	3	3	0	
Yellowknife	4,931	3,345	220	1,366	117	109	8	
Total of NAV CANADA towers (42)	382,082	236,352	34,841	110,889	4,677	4,185	492	

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	1,194	328	297	569	30	30	0	
Campbell River	2,244	934	434	876	2	0	2	
Castlegar	587	400	77	110	11	7	4	
Charlottetown	1,047	725	134	188	10	4	6	
Churchill	765	677	42	46	51	44	7	
Cranbrook	911	625	166	120	224	224	0	
Deer Lake	1,403	1,227	86	90	10	10	0	
Fort Nelson	1,809	1,424	165	220	14	14	0	
Fort St. John	2,749	1,697	286	766	51	51	0	
Grande Prairie	4,333	2,307	650	1,376	214	214	0	
High Level	1,792	1,355	85	352	0	0	0	
Îles-de-la-Madeleine	407	330	47	30	8	0	8	
Inuvik/Mike Zubko	984	942	36	6	6	6	0	
Iqaluit	1,505	1,344	113	48	26	24	2	
Kamloops	3,750	1,840	616	1,294	27	13	14	
Kenora	1,348	726	184	438	15	15	0	
Kingston	2,618	1,192	430	996	27	21	6	
Kuujuuaq	1,098	940	76	82	6	6	0	
La Grande Rivière	715	639	48	28	0	0	0	
La Ronge	2,586	1,350	568	668	0	0	0	
Lethbridge	2,681	1,173	562	946	24	24	0	
Lloydminster	1,211	479	410	322	28	28	0	
Medicine Hat	1,758	923	235	600	23	19	4	
Mont-Joli	735	601	92	42	13	13	0	
Montréal/Mirabel International	2,620	841	243	1,536	31	9	22	
Nanaimo	3,385	1,193	692	1,500	213	209	4	
Norman Wells	2,017	938	33	1,046	2	2	0	
North Bay	4,652	1,321	447	2,884	23	23	0	
Ottawa/Gatineau	3,708	578	1,018	2,112	19	19	0	
Peace River	1,233	1,076	132	25	4	4	0	
Penticton	2,151	740	477	934	18	18	0	
Port Hardy	770	588	116	66	16	12	4	
Prince Albert	2,247	1,572	495	180	14	14	0	
Prince Rupert	250	201	49	0	9	9	0	
Rankin Inlet	1,122	1,096	8	18	4	4	0	
Red Deer Regional	5,293	1,820	994	2,479	16	16	0	
Rouyn-Noranda	1,419	1,034	173	212	128	128	0	
Saint John	1,424	859	305	260	11	7	4	
Sept-Îles	2,990	2,102	194	694	14	14	0	
Sioux Lookout	2,820	2,597	89	134	4	4	0	
Smithers	1,007	711	64	232	4	4	0	
St. Catharines	3,269	1,155	840	1,274	554	554	0	
Sudbury	4,090	2,452	718	920	10	10	0	
Terrace	2,018	1,546	74	398	4	4	0	
Thompson	2,605	2,312	245	48	6	6	0	
Timmins	2,475	2,091	296	88	9	9	0	
Val-d'Or	1,960	1,115	329	516	6	4	2	
Victoria Harbour	2,969	2,874	89	6	13	13	0	
Wabush	1,569	1,475	88	6	2	2	0	
Whitecourt	2,559	1,525	164	870	0	0	0	
Williams Lake	900	666	152	82	2	0	2	
Total of all flight service stations (51)	103,752	60,656	14,363	28,733	1,956	1,865	91	

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Abbotsford	3,655	497	1,857	341	782	79	99
Boundary Bay	5,781	7	915	3,028	1,782	42	7
Calgary International	19,728	17,013	847	361	1,296	168	43
Calgary/Springbank	5,047	25	1,024	2,475	1,459	34	30
Chicoutimi/St-Honoré	2,405	497	93	1,633	182	0	0
Edmonton City Centre	3,446	290	397	1,282	843	607	27
Edmonton International	12,694	10,977	358	123	860	265	111
Edmonton/Villeneuve	1,732	4	131	516	397	0	684
Fort McMurray	7,865	2,094	4,563	136	1,010	56	6
Fredericton International	3,085	828	2,007	6	102	108	34
Gander International	1,820	1,238	73	21	243	116	129
Halifax/Robert L. Stanfield International	6,889	6,040	421	23	258	30	117
Hamilton	2,233	1,603	101	147	200	172	10
Kelowna	4,422	2,872	413	313	668	103	53
Kitchener/Waterloo	4,576	484	2,823	145	1,092	4	28
Langley	2,411	5	211	938	737	11	509
London	3,723	1,063	374	1,425	784	63	14
Moncton/Greater Moncton International	3,037	1,718	981	4	163	166	5
Montréal/Pierre Elliott Trudeau International	18,185	16,046	862	47	1,022	189	19
Montréal/St-Hubert	7,196	3,326	655	1,705	1,289	149	72
Oshawa	2,613	48	66	1,577	821	88	13
Ottawa/Macdonald-Cartier International	10,693	7,500	308	2,033	396	308	148
Pitt Meadows	2,751	3	897	396	1,420	19	16
Prince George	2,291	1,055	699	28	358	78	73
Québec/Jean Lesage International	7,519	3,818	1,920	447	860	398	76
Regina International	3,621	2,068	758	67	473	205	50
Saskatoon/John G. Diefenbaker International	5,810	3,305	1,073	379	646	298	109
Sault Ste. Marie	2,696	1,091	58	1,180	281	62	24
St. John's International	3,700	2,696	478	8	166	165	187
St-Jean	1,764	42	138	65	820	0	699
Thunder Bay	5,335	3,522	163	1,083	337	157	73
Toronto/Billy Bishop Toronto City	7,651	5,234	687	1,184	530	10	6
Toronto/Buttontville Municipal	5,418	162	2,722	72	2,353	107	2
Toronto/Lester B. Pearson International	35,694	33,903	599	25	1,134	26	7
Vancouver Harbour	5,186	4,707	435	1	43	0	0
Vancouver International	25,351	22,252	1,932	152	777	225	13
Victoria International	7,190	3,114	2,455	150	1,263	26	182
Whitehorse International	2,001	799	677	14	464	43	4
Windsor	1,649	554	589	38	464	4	0
Winnipeg/James Armstrong Richardson International	9,875	8,210	365	32	376	498	394
Winnipeg/St. Andrews	2,966	658	1,383	531	391	0	3
Yellowknife	3,674	2,903	405	37	144	76	109
Total of NAV CANADA towers (42)	275,378	174,271	37,913	24,168	29,686	5,155	4,185

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	655	122	174	32	264	33	30
Campbell River	1,368	622	164	148	404	30	0
Castlegar	484	236	148	16	73	4	7
Charlottetown	863	664	59	2	109	25	4
Churchill	763	651	22	4	30	12	44
Cranbrook	1,015	576	28	21	166	0	224
Deer Lake	1,323	1,201	18	8	24	62	10
Fort Nelson	1,603	369	1,039	16	164	1	14
Fort St. John	2,034	788	896	13	282	4	51
Grande Prairie	3,171	1,081	1,195	31	577	73	214
High Level	1,440	550	770	35	69	16	0
Îles-de-la-Madeleine	377	306	22	2	11	36	0
Inuvik/Mike Zubko	984	757	185	0	6	30	6
Iqaluit	1,481	1,174	104	66	78	35	24
Kamloops	2,469	835	869	136	562	54	13
Kenora	925	405	205	116	119	65	15
Kingston	1,643	522	380	290	424	6	21
Kuujuuaq	1,022	775	103	62	42	34	6
La Grande Rivière	687	484	141	14	40	8	0
La Ronge	1,918	1,266	82	2	76	492	0
Lethbridge	1,759	521	83	569	535	27	24
Lloydminster	917	188	253	38	389	21	28
Medicine Hat	1,177	512	151	260	231	4	19
Mont-Joli	706	485	109	7	70	22	13
Montréal/Mirabel International	1,093	730	105	6	239	4	9
Nanaimo	2,094	566	587	40	666	26	209
Norman Wells	973	582	347	9	25	8	2
North Bay	1,791	682	383	256	392	55	23
Ottawa/Gatineau	1,615	143	348	87	1,004	14	19
Peace River	1,212	354	712	10	116	16	4
Penticton	1,235	288	414	38	462	15	18
Port Hardy	716	540	38	10	64	52	12
Prince Albert	2,081	1,517	35	20	133	362	14
Prince Rupert	259	183	15	3	35	14	9
Rankin Inlet	1,108	905	189	2	2	6	4
Red Deer Regional	2,830	351	1,282	187	963	31	16
Rouyn-Noranda	1,335	674	223	137	157	16	128
Saint John	1,171	759	79	21	299	6	7
Sept-Îles	2,310	1,370	707	25	101	93	14
Sioux Lookout	2,690	2,164	189	244	46	43	4
Smithers	779	488	205	18	59	5	4
St. Catharines	2,549	14	1,114	27	822	18	554
Sudbury	3,180	1,676	393	383	416	302	10
Terrace	1,624	641	880	25	52	22	4
Thompson	2,563	1,947	350	15	56	189	6
Timmins	2,396	1,915	134	42	190	106	9
Val-d'Or	1,448	822	240	53	295	34	4
Victoria Harbour	2,976	2,849	25	0	13	76	13
Wabush	1,565	1,305	152	18	73	15	2
Whitecourt	1,689	50	1,291	184	136	28	0
Williams Lake	818	438	200	28	146	6	0
Total of all flight service stations (51)	76,884	39,043	17,837	3,776	11,707	2,656	1,865

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

	Itinerant movements					Runway 88
	Total of IFR and VFR flights ¹	Instrument Flight Rules	Percentage Instrument Flight Rules	Visual Flight Rules	Percentage Visual Flight Rules	
	number		percent	number	percent	
Abbotsford	3,655	977	26.7	2,678	73.2	1,807
Boundary Bay	5,781	366	6.3	5,415	93.6	921
Calgary International	19,728	18,811	95.3	917	4.6	305
Calgary/Springbank	5,047	510	10.1	4,537	89.8	145
Chicoutimi/St-Honoré	2,405	291	12.0	2,114	87.9	126
Edmonton City Centre	3,446	1,012	29.3	2,434	70.6	1,509
Edmonton International	12,694	12,101	95.3	593	4.6	679
Edmonton/Villeneuve	1,732	64	3.6	1,668	96.3	105
Fort McMurray	7,865	2,562	32.5	5,303	67.4	267
Fredericton International	3,085	1,011	32.7	2,074	67.2	288
Gander International	1,820	1,132	62.1	688	37.8	127
Halifax/Robert L. Stanfield International	6,889	6,584	95.5	305	4.4	281
Hamilton	2,233	1,794	80.3	439	19.6	1,096
Kelowna	4,422	2,876	65.0	1,546	34.9	1,011
Kitchener/Waterloo	4,576	840	18.3	3,736	81.6	804
Langley	2,411	43	1.7	2,368	98.2	914
London	3,723	1,290	34.6	2,433	65.3	482
Moncton/Greater Moncton International	3,037	1,973	64.9	1,064	35.0	60
Montréal/Pierre Elliott Trudeau International	18,185	17,652	97.0	533	2.9	1,019
Montréal/St-Hubert	7,196	1,691	23.4	5,505	76.5	908
Oshawa	2,613	156	5.9	2,457	94.0	551
Ottawa/Macdonald-Cartier International	10,693	8,190	76.5	2,503	23.4	787
Pitt Meadows	2,751	44	1.5	2,707	98.4	1,741
Prince George	2,291	1,271	55.4	1,020	44.5	492
Québec/Jean Lesage International	7,519	5,024	66.8	2,495	33.1	1,017
Regina International	3,621	2,530	69.8	1,091	30.1	122
Saskatoon/John G. Diefenbaker International	5,810	3,860	66.4	1,950	33.5	370
Sault Ste. Marie	2,696	1,235	45.8	1,461	54.1	60
St. John's International	3,700	3,315	89.5	385	10.4	233
St-Jean	1,764	15	0.8	1,749	99.1	390
Thunder Bay	5,335	3,618	67.8	1,717	32.1	179
Toronto/Billy Bishop Toronto City	7,651	5,541	72.4	2,110	27.5	1,868
Toronto/Buttonville Municipal	5,418	623	11.4	4,795	88.5	1,104
Toronto/Lester B. Pearson International	35,694	35,664	99.9	30	0.0	276
Vancouver Harbour	5,186	49	0.9	5,137	99.0	1,934
Vancouver International	25,351	20,923	82.5	4,428	17.4	5,810
Victoria International	7,190	3,610	50.2	3,580	49.7	2,904
Whitehorse International	2,001	556	27.7	1,445	72.2	503
Windsor	1,649	724	43.9	925	56.0	130
Winnipeg/James Armstrong Richardson International	9,875	8,855	89.6	1,020	10.3	968
Winnipeg/St. Andrews	2,966	124	4.1	2,842	95.8	134
Yellowknife	3,674	2,006	54.5	1,668	45.4	307
Total of NAV CANADA towers (42)	275,378	181,513	65.9	93,865	34.1	34,734

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	655	139	21.2	516	78.7	151
Campbell River	1,368	509	37.2	859	62.7	465
Castlegar	484	273	56.4	211	43.5	164
Charlottetown	863	723	83.7	140	16.2	35
Churchill	763	668	87.5	95	12.4	31
Cranbrook	1,015	606	59.7	409	40.2	162
Deer Lake	1,323	1,087	82.1	236	17.8	18
Fort Nelson	1,603	392	24.4	1,211	75.5	100
Fort St. John	2,034	880	43.2	1,154	56.7	84
Grande Prairie	3,171	1,353	42.6	1,818	57.3	259
High Level	1,440	216	15.0	1,224	85.0	218
Îles-de-la-Madeleine	377	369	97.8	8	2.1	5
Inuvik/Mike Zubko	984	339	34.4	645	65.5	13
Iqaluit	1,481	1,279	86.3	202	13.6	1
Kamloops	2,469	972	39.3	1,497	60.6	656
Kenora	925	387	41.8	538	58.1	420
Kingston	1,643	625	38.0	1,018	61.9	338
Kuujuuaq	1,022	461	45.1	561	54.8	28
La Grande Rivière	687	532	77.4	155	22.5	222
La Ronge	1,918	760	39.6	1,158	60.3	909
Lethbridge	1,759	660	37.5	1,099	62.4	23
Lloydminster	917	277	30.2	640	69.7	18
Medicine Hat	1,177	421	35.7	756	64.2	166
Mont-Joli	706	617	87.3	89	12.6	29
Montréal/Mirabel International	1,093	844	77.2	249	22.7	1,709
Nanaimo	2,094	699	33.3	1,395	66.6	636
Norman Wells	973	190	19.5	783	80.4	376
North Bay	1,791	713	39.8	1,078	60.1	624
Ottawa/Gatineau	1,615	204	12.6	1,411	87.3	490
Peace River	1,212	369	30.4	843	69.5	31
Penticton	1,235	341	27.6	894	72.3	190
Port Hardy	716	286	39.9	430	60.0	481
Prince Albert	2,081	1,545	74.2	536	25.7	152
Prince Rupert	259	172	66.4	87	33.5	44
Rankin Inlet	1,108	911	82.2	197	17.7	251
Red Deer Regional	2,830	638	22.5	2,192	77.4	342
Rouyn-Noranda	1,335	947	70.9	388	29.0	247
Saint John	1,171	994	84.8	177	15.1	21
Sept-Îles	2,310	1,785	77.2	525	22.7	383
Sioux Lookout	2,690	1,884	70.0	806	29.9	675
Smithers	779	487	62.5	292	37.4	847
St. Catharines	2,549	126	4.9	2,423	95.0	288
Sudbury	3,180	1,771	55.6	1,409	44.3	486
Terrace	1,624	719	44.2	905	55.7	325
Thompson	2,563	1,366	53.2	1,197	46.7	137
Timmins	2,396	1,441	60.1	955	39.8	233
Val-d'Or	1,448	896	61.8	552	38.1	334
Victoria Harbour	2,976	54	1.8	2,922	98.1	949
Wabush	1,565	1,440	92.0	125	7.9	317
Whitecourt	1,689	87	5.1	1,602	94.8	153
Williams Lake	818	455	55.6	363	44.3	119
Total of all flight service stations (51)	76,884	35,909	46.7	40,975	53.3	15,355

1. Total excludes runway 88 flights.

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Abbotsford	3,655	491	285	2,081	758	40
Boundary Bay	5,781	23	57	5,276	425	0
Calgary International	19,728	12,450	6,210	309	759	0
Calgary/Springbank	5,047	74	304	3,793	876	0
Chicoutimi/St-Honoré	2,405	2	90	2,034	279	0
Edmonton City Centre	3,446	184	702	1,925	635	0
Edmonton International	12,694	7,268	4,877	323	226	0
Edmonton/Villeneuve	1,732	23	18	1,226	133	332
Fort McMurray	7,865	1,219	2,210	1,351	3,085	0
Fredericton International	3,085	96	910	1,972	107	0
Gander International	1,820	426	698	569	127	0
Halifax/Robert L. Stanfield International	6,889	3,712	2,668	190	319	0
Hamilton	2,233	1,271	542	368	52	0
Kelowna	4,422	1,347	1,532	1,191	352	0
Kitchener/Waterloo	4,576	311	366	3,594	304	1
Langley	2,411	4	0	1,730	402	275
London	3,723	346	979	2,201	197	0
Moncton/Greater Moncton International	3,037	780	1,145	1,050	62	0
Montréal/Pierre Elliott Trudeau International	18,185	11,615	6,002	335	233	0
Montréal/St-Hubert	7,196	227	1,108	5,539	314	8
Oshawa	2,613	35	50	2,420	108	0
Ottawa/Macdonald-Cartier International	10,693	5,371	2,823	2,248	251	0
Pitt Meadows	2,751	0	10	2,292	449	0
Prince George	2,291	245	1,138	438	440	30
Québec/Jean Lesage International	7,519	1,064	3,821	1,655	979	0
Regina International	3,621	1,448	937	1,084	152	0
Saskatoon/John G. Diefenbaker International	5,810	1,655	2,127	1,855	172	1
Sault Ste. Marie	2,696	43	1,180	1,442	31	0
St. John's International	3,700	1,550	1,552	140	458	0
St-Jean	1,764	0	2	1,203	32	527
Thunder Bay	5,335	448	3,309	1,368	210	0
Toronto/Billy Bishop Toronto City	7,651	4	5,440	1,681	526	0
Toronto/Buttonville Municipal	5,418	74	312	4,702	330	0
Toronto/Lester B. Pearson International	35,694	28,865	6,789	40	0	0
Vancouver Harbour	5,186	0	3,072	1,278	836	0
Vancouver International	25,351	11,882	9,979	2,621	869	0
Victoria International	7,190	1,087	2,526	3,357	220	0
Whitehorse International	2,001	307	546	791	357	0
Windsor	1,649	153	507	975	14	0
Winnipeg/James Armstrong Richardson International	9,875	5,248	3,847	410	370	0
Winnipeg/St. Andrews	2,966	2	773	2,030	161	0
Yellowknife	3,674	526	2,434	271	443	0
Total of NAV CANADA towers (42)	275,378	101,876	83,877	71,358	17,053	1,214

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	655	32	159	426	36	2
Campbell River	1,368	46	637	415	270	0
Castlegar	484	14	302	107	61	0
Charlottetown	863	223	486	115	39	0
Churchill	763	173	511	43	36	0
Cranbrook	1,015	19	539	340	19	98
Deer Lake	1,323	157	1,099	47	20	0
Fort Nelson	1,603	50	367	231	955	0
Fort St. John	2,034	246	728	378	682	0
Grande Prairie	3,171	233	1,102	826	804	206
High Level	1,440	29	430	335	646	0
Îles-de-la-Madeleine	377	16	344	15	2	0
Inuvik/Mike Zubko	984	110	527	162	185	0
Iqaluit	1,481	344	1,022	52	63	0
Kamloops	2,469	115	1,095	720	539	0
Kenora	925	17	463	239	206	0
Kingston	1,643	30	556	936	121	0
Kuujuuaq	1,022	169	681	80	92	0
La Grande Rivière	687	89	537	44	17	0
La Ronge	1,918	4	1,401	458	55	0
Lethbridge	1,759	100	583	1,004	72	0
Lloydminster	917	22	234	619	42	0
Medicine Hat	1,177	38	535	516	88	0
Mont-Joli	706	14	595	76	21	0
Montréal/Mirabel International	1,093	581	256	73	183	0
Nanaimo	2,094	58	564	1,320	51	101
Norman Wells	973	176	261	186	350	0
North Bay	1,791	23	732	387	606	43
Ottawa/Gatineau	1,615	7	117	1,237	254	0
Peace River	1,212	19	326	167	700	0
Penticton	1,235	23	339	473	400	0
Port Hardy	716	54	375	181	106	0
Prince Albert	2,081	20	1,630	362	69	0
Prince Rupert	259	29	165	16	48	1
Rankin Inlet	1,108	271	650	0	187	0
Red Deer Regional	2,830	77	586	2,013	154	0
Rouyn-Noranda	1,335	75	885	330	12	33
Saint John	1,171	118	835	187	31	0
Sept-Îles	2,310	49	1,690	261	310	0
Sioux Lookout	2,690	4	2,150	512	24	0
Smithers	779	16	545	75	141	2
St. Catharines	2,549	15	41	1,534	569	390
Sudbury	3,180	39	1,851	810	480	0
Terrace	1,624	50	699	72	803	0
Thompson	2,563	120	1,984	280	179	0
Timmins	2,396	18	2,064	201	113	0
Val-d'Or	1,448	169	723	407	149	0
Victoria Harbour	2,976	0	2,213	164	599	0
Wabush	1,565	29	1,382	68	86	0
Whitecourt	1,689	24	292	153	1,220	0
Williams Lake	818	12	529	146	131	0
Total of all flight service stations (51)	76,884	4,366	38,817	19,799	13,026	876

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	2,465	393	107	110	24	73	474	9	0	0
Boundary Bay	5,447	247	64	22	0	0	0	0	0	1
Calgary International	631	490	1,496	2,154	722	4,201	8,406	817	174	637
Calgary/Springbank	4,241	394	240	144	20	8	0	0	0	0
Chicoutimi/St-Honoré	1,862	422	107	12	2	0	0	0	0	0
Edmonton City Centre	2,306	267	519	274	65	14	0	1	0	0
Edmonton International	289	272	1,527	1,148	564	2,846	5,380	421	117	130
Edmonton/Villeneuve	1,574	82	59	12	5	0	0	0	0	0
Fort McMurray	3,361	1,329	903	478	85	940	671	98	0	0
Fredericton International	1,991	157	111	286	192	336	8	2	0	2
Gander International	549	28	19	580	265	286	28	45	4	16
Halifax/Robert L. Stanfield International	135	229	294	996	1,095	1,439	2,102	278	170	151
Hamilton	307	234	141	303	122	93	457	2	417	157
Kelowna	1,239	221	461	520	64	987	929	0	1	0
Kitchener/Waterloo	3,767	168	360	69	36	113	62	1	0	0
Langley	2,232	118	30	9	20	0	2	0	0	0
London	2,255	117	221	212	555	223	140	0	0	0
Moncton/Greater Moncton International	1,055	132	143	337	96	724	222	0	324	4
Montréal/Pierre Elliott Trudeau International	375	162	585	525	2,557	6,850	4,668	1,129	0	1,334
Montréal/St-Hubert	5,242	549	774	448	174	9	0	0	0	0
Oshawa	2,387	155	27	37	0	0	0	4	3	0
Ottawa/Macdonald-Cartier International	2,207	161	801	369	815	3,098	2,531	421	50	240
Pitt Meadows	2,597	146	3	0	5	0	0	0	0	0
Prince George	754	120	272	579	18	341	207	0	0	0
Québec/Jean Lesage International	2,008	528	829	718	1,082	2,135	174	4	0	41
Regina International	946	279	387	379	76	847	641	2	64	0
Saskatoon/John G. Diefenbaker International	1,646	420	607	803	264	1,069	950	8	43	0
Sault Ste. Marie	1,428	80	612	79	272	218	3	4	0	0
St. John's International	145	31	215	731	750	382	1,036	317	82	11
St-Jean	1,760	2	2	0	0	0	0	0	0	0
Thunder Bay	1,355	270	2,214	218	150	925	199	4	0	0
Toronto/Billy Bishop Toronto City	1,905	160	317	252	11	5,006	0	0	0	0
Toronto/Buttonville Municipal	4,701	380	259	50	11	16	1	0	0	0
Toronto/Lester B. Pearson International	13	170	393	1,992	3,835	7,539	14,304	3,987	198	3,263
Vancouver Harbour	410	3,972	802	2	0	0	0	0	0	0
Vancouver International	663	3,901	887	2,763	1,085	5,884	6,407	1,579	256	1,926
Victoria International	2,762	891	409	490	316	1,638	569	79	34	2
Whitehorse International	1,027	204	193	122	4	136	313	0	0	2
Windsor	859	124	39	95	216	266	50	0	0	0
Winnipeg/James Armstrong Richardson International	437	484	2,678	395	800	1,628	2,584	201	607	61
Winnipeg/St. Andrews	2,038	820	106	0	0	0	0	0	0	2
Yellowknife	472	495	657	385	230	805	527	101	0	2
Total of NAV CANADA towers (42)	73,843	19,804	20,870	19,098	16,603	51,075	54,045	9,514	2,544	7,982

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	415	45	119	52	6	8	0	10	0	0
Campbell River	606	92	18	515	133	4	0	0	0	0
Castlegar	85	90	31	48	7	223	0	0	0	0
Charlottetown	104	123	28	167	98	201	142	0	0	0
Churchill	41	13	144	12	140	366	23	24	0	0
Cranbrook	386	69	20	302	53	183	2	0	0	0
Deer Lake	46	12	29	468	501	131	134	2	0	0
Fort Nelson	877	87	283	154	113	73	16	0	0	0
Fort St. John	954	76	253	216	136	356	43	0	0	0
Grande Prairie	1,439	361	462	162	39	541	167	0	0	0
High Level	765	149	304	136	0	53	33	0	0	0
Îles-de-la-Madeleine	4	11	100	109	129	24	0	0	0	0
Inuvik/Mike Zubko	325	53	345	89	4	76	90	2	0	0
Iqaluit	42	28	374	274	177	318	192	18	8	50
Kamloops	793	311	389	263	9	624	80	0	0	0
Kenora	204	73	608	10	2	28	0	0	0	0
Kingston	996	37	113	475	12	10	0	0	0	0
Kuujuuaq	120	50	518	2	21	174	115	2	0	20
La Grande Rivière	27	40	156	4	19	356	85	0	0	0
La Ronge	160	299	614	164	259	422	0	0	0	0
Lethbridge	948	130	207	458	11	5	0	0	0	0
Lloydminster	590	61	117	145	0	4	0	0	0	0
Medicine Hat	568	34	232	307	7	29	0	0	0	0
Mont-Joli	71	13	141	220	126	135	0	0	0	0
Montréal/Mirabel International	221	82	35	82	14	120	86	9	251	193
Nanaimo	1,077	405	41	60	32	479	0	0	0	0
Norman Wells	358	115	238	42	2	44	174	0	0	0
North Bay	955	98	482	63	166	26	1	0	0	0
Ottawa/Gatineau	1,133	328	58	90	1	2	3	0	0	0
Peace River	478	213	437	68	4	2	10	0	0	0
Penticton	683	193	66	68	13	211	1	0	0	0
Port Hardy	71	306	46	133	146	14	0	0	0	0
Prince Albert	182	98	225	429	512	633	0	2	0	0
Prince Rupert	21	19	51	31	48	85	0	4	0	0
Rankin Inlet	21	168	112	12	94	473	212	0	4	12
Red Deer Regional	1,889	244	358	228	6	77	28	0	0	0
Rouyn-Noranda	369	6	377	30	331	165	57	0	0	0
Saint John	138	151	134	245	243	250	10	0	0	0
Sept-Îles	347	178	560	325	610	288	2	0	0	0
Sioux Lookout	237	357	1,256	713	127	0	0	0	0	0
Smithers	189	60	48	281	39	160	2	0	0	0
St. Catharines	2,382	97	39	22	2	3	0	4	0	0
Sudbury	626	533	1,119	276	324	302	0	0	0	0
Terrace	471	325	197	206	118	307	0	0	0	0
Thompson	232	287	1,412	12	160	458	0	2	0	0
Timmins	190	208	1,138	54	553	249	0	4	0	0
Val-d'Or	480	75	347	24	314	69	137	2	0	0
Victoria Harbour	162	2,088	706	7	13	0	0	0	0	0
Wabush	99	52	239	488	385	300	2	0	0	0
Whitecourt	1,199	89	167	147	18	55	14	0	0	0
Williams Lake	253	16	52	439	3	55	0	0	0	0
Total of all flight service stations (51)	25,029	9,048	15,545	9,327	6,280	9,171	1,861	85	263	275

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Abbotsford							
Domestic	3,596	495	1,849	341	736	79	96
Transborder	59	2	8	0	46	0	3
Other international	0	0	0	0	0	0	0
Total	3,655	497	1,857	341	782	79	99
Boundary Bay							
Domestic	5,666	5	907	2,986	1,722	42	4
Transborder	112	2	8	42	57	0	3
Other international	3	0	0	0	3	0	0
Total	5,781	7	915	3,028	1,782	42	7
Calgary International							
Domestic	15,763	13,399	772	355	1,033	167	37
Transborder	3,407	3,059	75	6	260	1	6
Other international	558	555	0	0	3	0	0
Total	19,728	17,013	847	361	1,296	168	43
Calgary/Springbank							
Domestic	4,975	25	1,013	2,473	1,401	33	30
Transborder	72	0	11	2	58	1	0
Other international	0	0	0	0	0	0	0
Total	5,047	25	1,024	2,475	1,459	34	30
Chicoutimi/St-Honoré							
Domestic	2,402	497	93	1,632	180	0	0
Transborder	2	0	0	0	2	0	0
Other international	1	0	0	1	0	0	0
Total	2,405	497	93	1,633	182	0	0
Edmonton City Centre							
Domestic	3,429	289	394	1,282	830	607	27
Transborder	17	1	3	0	13	0	0
Other international	0	0	0	0	0	0	0
Total	3,446	290	397	1,282	843	607	27
Edmonton International							
Domestic	11,110	9,514	343	103	776	265	109
Transborder	1,427	1,311	15	20	79	0	2
Other international	157	152	0	0	5	0	0
Total	12,694	10,977	358	123	860	265	111
Edmonton/Villeneuve							
Domestic	1,731	4	131	516	396	0	684
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,732	4	131	516	397	0	684
Fort McMurray							
Domestic	7,857	2,093	4,561	136	1,005	56	6
Transborder	8	1	2	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	7,865	2,094	4,563	136	1,010	56	6
Fredericton International							
Domestic	3,056	820	2,002	6	86	108	34
Transborder	23	2	5	0	16	0	0
Other international	6	6	0	0	0	0	0
Total	3,085	828	2,007	6	102	108	34
Gander International							
Domestic	1,495	1,175	71	1	58	116	74
Transborder	151	25	0	10	90	0	26
Other international	174	38	2	10	95	0	29
Total	1,820	1,238	73	21	243	116	129

Table 7-1 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Halifax/Robert L. Stanfield International							
Domestic	5,857	5,115	419	21	175	30	97
Transborder	799	715	0	1	74	0	9
Other international	233	210	2	1	9	0	11
Total	6,889	6,040	421	23	258	30	117
Hamilton							
Domestic	1,660	1,159	64	146	113	168	10
Transborder	554	429	34	1	86	4	0
Other international	19	15	3	0	1	0	0
Total	2,233	1,603	101	147	200	172	10
Kelowna							
Domestic	4,163	2,688	409	312	600	101	53
Transborder	258	184	4	1	67	2	0
Other international	1	0	0	0	1	0	0
Total	4,422	2,872	413	313	668	103	53
Kitchener/Waterloo							
Domestic	4,278	354	2,794	144	956	4	26
Transborder	295	129	28	1	135	0	2
Other international	3	1	1	0	1	0	0
Total	4,576	484	2,823	145	1,092	4	28
Langley							
Domestic	2,408	5	211	938	734	11	509
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	2,411	5	211	938	737	11	509
London							
Domestic	3,506	901	373	1,425	732	61	14
Transborder	214	159	1	0	52	2	0
Other international	3	3	0	0	0	0	0
Total	3,723	1,063	374	1,425	784	63	14
Moncton/Greater Moncton International							
Domestic	2,937	1,632	981	4	149	166	5
Transborder	80	66	0	0	14	0	0
Other international	20	20	0	0	0	0	0
Total	3,037	1,718	981	4	163	166	5
Montréal/Pierre Elliott Trudeau International							
Domestic	10,518	8,938	708	41	625	189	17
Transborder	5,813	5,316	114	3	378	0	2
Other international	1,854	1,792	40	3	19	0	0
Total	18,185	16,046	862	47	1,022	189	19
Montréal/St-Hubert							
Domestic	7,025	3,309	646	1,703	1,148	148	71
Transborder	169	17	9	2	139	1	1
Other international	2	0	0	0	2	0	0
Total	7,196	3,326	655	1,705	1,289	149	72
Oshawa							
Domestic	2,555	44	57	1,577	776	88	13
Transborder	55	4	9	0	42	0	0
Other international	3	0	0	0	3	0	0
Total	2,613	48	66	1,577	821	88	13
Ottawa/Macdonald-Cartier International							
Domestic	8,718	5,696	286	2,019	289	295	133
Transborder	1,837	1,676	19	13	107	13	9
Other international	138	128	3	1	0	0	6
Total	10,693	7,500	308	2,033	396	308	148

Table 7-1 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Pitt Meadows							
Domestic	2,733	3	897	395	1,403	19	16
Transborder	16	0	0	1	15	0	0
Other international	2	0	0	0	2	0	0
Total	2,751	3	897	396	1,420	19	16
Prince George							
Domestic	2,279	1,054	698	28	349	78	72
Transborder	10	1	0	0	8	0	1
Other international	2	0	1	0	1	0	0
Total	2,291	1,055	699	28	358	78	73
Québec/Jean Lesage International							
Domestic	6,862	3,237	1,910	444	801	397	73
Transborder	580	511	8	3	57	1	0
Other international	77	70	2	0	2	0	3
Total	7,519	3,818	1,920	447	860	398	76
Regina International							
Domestic	3,208	1,748	754	63	400	205	38
Transborder	411	319	4	4	72	0	12
Other international	2	1	0	0	1	0	0
Total	3,621	2,068	758	67	473	205	50
Saskatoon/John G. Diefenbaker International							
Domestic	5,480	3,039	1,063	379	595	297	107
Transborder	330	266	10	0	51	1	2
Other international	0	0	0	0	0	0	0
Total	5,810	3,305	1,073	379	646	298	109
Sault Ste. Marie							
Domestic	2,662	1,089	56	1,179	252	62	24
Transborder	31	2	1	1	27	0	0
Other international	3	0	1	0	2	0	0
Total	2,696	1,091	58	1,180	281	62	24
St. John's International							
Domestic	3,263	2,476	476	1	105	165	40
Transborder	194	89	0	3	33	0	69
Other international	243	131	2	4	28	0	78
Total	3,700	2,696	478	8	166	165	187
St-Jean							
Domestic	1,764	42	138	65	820	0	699
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,764	42	138	65	820	0	699
Thunder Bay							
Domestic	5,234	3,443	163	1,082	316	157	73
Transborder	101	79	0	1	21	0	0
Other international	0	0	0	0	0	0	0
Total	5,335	3,522	163	1,083	337	157	73
Toronto/Billy Bishop Toronto City							
Domestic	6,037	3,783	682	1,183	373	10	6
Transborder	1,614	1,451	5	1	157	0	0
Other international	0	0	0	0	0	0	0
Total	7,651	5,234	687	1,184	530	10	6
Toronto/Buttonville Municipal							
Domestic	5,245	147	2,709	70	2,210	107	2
Transborder	168	15	13	2	138	0	0
Other international	5	0	0	0	5	0	0
Total	5,418	162	2,722	72	2,353	107	2

Table 7-1 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Toronto/Lester B. Pearson International							
Domestic	15,731	15,058	281	15	345	26	6
Transborder	15,229	14,212	257	9	751	0	0
Other international	4,734	4,633	61	1	38	0	1
Total	35,694	33,903	599	25	1,134	26	7
Vancouver Harbour							
Domestic	5,186	4,707	435	1	43	0	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	5,186	4,707	435	1	43	0	0
Vancouver International							
Domestic	19,331	16,627	1,875	112	485	225	7
Transborder	4,528	4,145	50	38	289	0	6
Other international	1,492	1,480	7	2	3	0	0
Total	25,351	22,252	1,932	152	777	225	13
Victoria International							
Domestic	6,552	2,644	2,426	149	1,125	26	182
Transborder	636	470	27	1	138	0	0
Other international	2	0	2	0	0	0	0
Total	7,190	3,114	2,455	150	1,263	26	182
Whitehorse International							
Domestic	1,937	797	675	14	404	43	4
Transborder	64	2	2	0	60	0	0
Other international	0	0	0	0	0	0	0
Total	2,001	799	677	14	464	43	4
Windsor							
Domestic	1,561	540	569	37	411	4	0
Transborder	76	11	19	1	45	0	0
Other international	12	3	1	0	8	0	0
Total	1,649	554	589	38	464	4	0
Winnipeg/James Armstrong Richardson International							
Domestic	8,815	7,315	347	31	258	498	366
Transborder	1,047	887	14	1	118	0	27
Other international	13	8	4	0	0	0	1
Total	9,875	8,210	365	32	376	498	394
Winnipeg/St. Andrews							
Domestic	2,958	656	1,380	530	389	0	3
Transborder	8	2	3	1	2	0	0
Other international	0	0	0	0	0	0	0
Total	2,966	658	1,383	531	391	0	3
Yellowknife							
Domestic	3,671	2,901	405	37	143	76	109
Transborder	2	1	0	0	1	0	0
Other international	1	1	0	0	0	0	0
Total	3,674	2,903	405	37	144	76	109
Total of NAV CANADA towers (42)							
Domestic	225,214	129,463	37,023	23,976	25,747	5,129	3,876
Transborder	40,401	35,561	758	169	3,707	26	180
Other international	9,763	9,247	132	23	232	0	129
Total	275,378	174,271	37,913	24,168	29,686	5,155	4,185

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	638	122	174	32	247	33	30
Transborder	17	0	0	0	17	0	0
Other international	0	0	0	0	0	0	0
Total	655	122	174	32	264	33	30
Campbell River							
Domestic	1,323	611	164	148	370	30	0
Transborder	43	11	0	0	32	0	0
Other international	2	0	0	0	2	0	0
Total	1,368	622	164	148	404	30	0
Castlegar							
Domestic	470	236	147	15	61	4	7
Transborder	14	0	1	1	12	0	0
Other international	0	0	0	0	0	0	0
Total	484	236	148	16	73	4	7
Charlottetown							
Domestic	849	654	59	2	105	25	4
Transborder	11	7	0	0	4	0	0
Other international	3	3	0	0	0	0	0
Total	863	664	59	2	109	25	4
Churchill							
Domestic	762	651	22	3	30	12	44
Transborder	1	0	0	1	0	0	0
Other international	0	0	0	0	0	0	0
Total	763	651	22	4	30	12	44
Cranbrook							
Domestic	1,007	573	28	21	161	0	224
Transborder	8	3	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	1,015	576	28	21	166	0	224
Deer Lake							
Domestic	1,316	1,197	18	8	21	62	10
Transborder	3	0	0	0	3	0	0
Other international	4	4	0	0	0	0	0
Total	1,323	1,201	18	8	24	62	10
Fort Nelson							
Domestic	1,603	369	1,039	16	164	1	14
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,603	369	1,039	16	164	1	14
Fort St. John							
Domestic	2,032	787	896	13	281	4	51
Transborder	2	1	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	2,034	788	896	13	282	4	51
Grande Prairie							
Domestic	3,170	1,081	1,195	31	576	73	214
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	3,171	1,081	1,195	31	577	73	214
High Level							
Domestic	1,440	550	770	35	69	16	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,440	550	770	35	69	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	375	306	21	2	10	36	0	
Transborder	2	0	1	0	1	0	0	
Other international	0	0	0	0	0	0	0	
Total	377	306	22	2	11	36	0	
Inuvik/Mike Zubko								
Domestic	982	755	185	0	6	30	6	
Transborder	2	2	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	984	757	185	0	6	30	6	
Iqaluit								
Domestic	1,420	1,155	102	54	52	33	24	
Transborder	9	4	0	1	4	0	0	
Other international	52	15	2	11	22	2	0	
Total	1,481	1,174	104	66	78	35	24	
Kamloops								
Domestic	2,454	835	868	136	548	54	13	
Transborder	15	0	1	0	14	0	0	
Other international	0	0	0	0	0	0	0	
Total	2,469	835	869	136	562	54	13	
Kenora								
Domestic	900	405	205	116	94	65	15	
Transborder	25	0	0	0	25	0	0	
Other international	0	0	0	0	0	0	0	
Total	925	405	205	116	119	65	15	
Kingston								
Domestic	1,607	514	377	290	399	6	21	
Transborder	36	8	3	0	25	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,643	522	380	290	424	6	21	
Kuujuuaq								
Domestic	1,019	775	103	62	39	34	6	
Transborder	0	0	0	0	0	0	0	
Other international	3	0	0	0	3	0	0	
Total	1,022	775	103	62	42	34	6	
La Grande Rivière								
Domestic	687	484	141	14	40	8	0	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	687	484	141	14	40	8	0	
La Ronge								
Domestic	1,918	1,266	82	2	76	492	0	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,918	1,266	82	2	76	492	0	
Lethbridge								
Domestic	1,671	521	77	567	455	27	24	
Transborder	88	0	6	2	80	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,759	521	83	569	535	27	24	
Lloydminster								
Domestic	914	187	253	37	388	21	28	
Transborder	3	1	0	1	1	0	0	
Other international	0	0	0	0	0	0	0	
Total	917	188	253	38	389	21	28	

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Medicine Hat							
Domestic	1,171	512	151	260	225	4	19
Transborder	6	0	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	1,177	512	151	260	231	4	19
Mont-Joli							
Domestic	705	484	109	7	70	22	13
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	706	485	109	7	70	22	13
Montréal/Mirabel International							
Domestic	863	522	105	4	220	4	8
Transborder	218	197	0	1	19	0	1
Other international	12	11	0	1	0	0	0
Total	1,093	730	105	6	239	4	9
Nanaimo							
Domestic	2,053	561	583	40	634	26	209
Transborder	41	5	4	0	32	0	0
Other international	0	0	0	0	0	0	0
Total	2,094	566	587	40	666	26	209
Norman Wells							
Domestic	973	582	347	9	25	8	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	973	582	347	9	25	8	2
North Bay							
Domestic	1,766	680	383	256	369	55	23
Transborder	25	2	0	0	23	0	0
Other international	0	0	0	0	0	0	0
Total	1,791	682	383	256	392	55	23
Ottawa/Gatineau							
Domestic	1,609	143	348	87	998	14	19
Transborder	6	0	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	1,615	143	348	87	1,004	14	19
Peace River							
Domestic	1,212	354	712	10	116	16	4
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,212	354	712	10	116	16	4
Penticton							
Domestic	1,212	288	414	37	440	15	18
Transborder	23	0	0	1	22	0	0
Other international	0	0	0	0	0	0	0
Total	1,235	288	414	38	462	15	18
Port Hardy							
Domestic	698	536	38	10	50	52	12
Transborder	18	4	0	0	14	0	0
Other international	0	0	0	0	0	0	0
Total	716	540	38	10	64	52	12
Prince Albert							
Domestic	2,081	1,517	35	20	133	362	14
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	2,081	1,517	35	20	133	362	14

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	249	182	15	1	29	14	8	
Transborder	10	1	0	2	6	0	1	
Other international	0	0	0	0	0	0	0	
Total	259	183	15	3	35	14	9	
Rankin Inlet								
Domestic	1,108	905	189	2	2	6	4	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,108	905	189	2	2	6	4	
Red Deer Regional								
Domestic	2,807	351	1,278	187	944	31	16	
Transborder	23	0	4	0	19	0	0	
Other international	0	0	0	0	0	0	0	
Total	2,830	351	1,282	187	963	31	16	
Rouyn-Noranda								
Domestic	1,335	674	223	137	157	16	128	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,335	674	223	137	157	16	128	
Saint John								
Domestic	1,092	749	78	21	231	6	7	
Transborder	66	1	1	0	64	0	0	
Other international	13	9	0	0	4	0	0	
Total	1,171	759	79	21	299	6	7	
Sept-Îles								
Domestic	2,305	1,368	707	25	98	93	14	
Transborder	4	2	0	0	2	0	0	
Other international	1	0	0	0	1	0	0	
Total	2,310	1,370	707	25	101	93	14	
Sioux Lookout								
Domestic	2,684	2,163	189	244	41	43	4	
Transborder	5	1	0	0	4	0	0	
Other international	1	0	0	0	1	0	0	
Total	2,690	2,164	189	244	46	43	4	
Smithers								
Domestic	774	488	205	18	54	5	4	
Transborder	5	0	0	0	5	0	0	
Other international	0	0	0	0	0	0	0	
Total	779	488	205	18	59	5	4	
St. Catharines								
Domestic	2,515	13	1,112	26	792	18	554	
Transborder	34	1	2	1	30	0	0	
Other international	0	0	0	0	0	0	0	
Total	2,549	14	1,114	27	822	18	554	
Sudbury								
Domestic	3,165	1,674	393	383	403	302	10	
Transborder	15	2	0	0	13	0	0	
Other international	0	0	0	0	0	0	0	
Total	3,180	1,676	393	383	416	302	10	
Terrace								
Domestic	1,622	641	880	25	50	22	4	
Transborder	2	0	0	0	2	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,624	641	880	25	52	22	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								
Thompson								
Domestic	2,562	1,947	350	15	55	189	6	
Transborder	1	0	0	0	1	0	0	
Other international	0	0	0	0	0	0	0	
Total	2,563	1,947	350	15	56	189	6	
Timmins								
Domestic	2,392	1,915	134	42	186	106	9	
Transborder	4	0	0	0	4	0	0	
Other international	0	0	0	0	0	0	0	
Total	2,396	1,915	134	42	190	106	9	
Val-d'Or								
Domestic	1,446	822	240	53	293	34	4	
Transborder	2	0	0	0	2	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,448	822	240	53	295	34	4	
Victoria Harbour								
Domestic	2,655	2,528	25	0	13	76	13	
Transborder	321	321	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	2,976	2,849	25	0	13	76	13	
Wabush								
Domestic	1,562	1,304	151	17	73	15	2	
Transborder	3	1	1	1	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,565	1,305	152	18	73	15	2	
Whitecourt								
Domestic	1,688	49	1,291	184	136	28	0	
Transborder	1	1	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,689	50	1,291	184	136	28	0	
Williams Lake								
Domestic	816	438	200	28	144	6	0	
Transborder	2	0	0	0	2	0	0	
Other international	0	0	0	0	0	0	0	
Total	818	438	200	28	146	6	0	
Total of all flight service stations (51)								
Domestic	75,677	38,424	17,811	3,752	11,173	2,654	1,863	
Transborder	1,116	577	24	12	501	0	2	
Other international	91	42	2	12	33	2	0	
Total	76,884	39,043	17,837	3,776	11,707	2,656	1,865	

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	10,447	14	11	82	14	613
Boundary Bay	6	14,467	25	15	111	11	844
Calgary International	3	19,932	22	18	63	8	788
Calgary/Springbank	9	11,775	17	10	96	8	703
Chicoutimi/St-Honoré	23	6,977	30	13	96	28	556
Edmonton City Centre	37	3,998	28	13	36	15	201
Edmonton International	8	13,064	22	16	46	22	541
Edmonton/Villeneuve	29	5,084	9	11	69	20	343
Fort McMurray	17	8,745	16	12	47	22	440
Fredericton International	25	6,715	2	15	67	28	512
Gander International	41	2,784	4	14	46	29	252
Halifax/Robert L. Stanfield International	22	7,205	5	12	31	8	290
Hamilton	40	3,283	30	10	30	30	203
Kelowna	24	6,726	8	11	54	28	337
Kitchener/Waterloo	10	11,574	27	14	92	27	781
Langley	34	4,665	16	12	57	4	266
London	26	6,449	17	15	76	17	396
Moncton/Greater Moncton International	35	4,313	13	22	42	8	268
Montréal/Pierre Elliott Trudeau International	4	18,341	16	18	62	17	701
Montréal/St-Hubert	5	15,866	1	12	121	1	1,287
Oshawa	33	4,669	8	14	61	7	322
Ottawa/Macdonald-Cartier International	7	14,095	15	9	94	30	737
Pitt Meadows	19	8,115	24	11	94	24	475
Prince George	32	4,813	26	11	97	18	326
Québec/Jean Lesage International	11	11,215	7	11	90	28	718
Regina International	31	4,970	9	9	40	29	277
Saskatoon/John G. Diefenbaker International	18	8,164	28	11	59	1	421
Sault Ste. Marie	27	5,400	25	15	45	13	329
St. John's International	38	3,978	8	14	32	8	213
St-Jean	39	3,624	4	13	51	4	431
Thunder Bay	20	7,843	24	16	68	22	474
Toronto/Billy Bishop Toronto City	15	10,337	17	18	74	17	498
Toronto/Buttonville Municipal	16	10,142	8	11	91	27	616
Toronto/Lester B. Pearson International	1	35,824	13	18	98	10	1,304
Vancouver Harbour	28	5,192	23	8	32	24	236
Vancouver International	2	25,383	23	17	81	31	954
Victoria International	12	11,026	15	16	69	9	524
Whitehorse International	36	4,021	1	13	80	1	390
Windsor	42	2,395	4	10	27	1	132
Winnipeg/James Armstrong Richardson International	13	10,633	15	9	44	15	474
Winnipeg/St. Andrews	21	7,462	9	17	72	23	538
Yellowknife	30	5,048	12	15	57	14	275

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	37	1,224	2	16	40	2	121
Campbell River	21	2,246	2	15	37	2	170
Castlegar	49	598	17	13	15	15	38
Charlottetown	41	1,057	13	16	25	13	82
Churchill	45	816	15	11	13	16	62
Cranbrook	38	1,135	18	11	26	18	145
Deer Lake	33	1,413	30	11	22	30	84
Fort Nelson	26	1,823	15	10	24	15	127
Fort St. John	12	2,800	28	17	51	28	191
Grande Prairie	3	4,547	7	9	57	7	288
High Level	27	1,792	25	9	50	26	173
Îles-de-la-Madeleine	50	415	1	15	11	1	26
Inuvik/Mike Zubko	43	990	15	12	9	15	60
Iqaluit	31	1,531	9	14	13	9	71
Kamloops	6	3,777	18	15	41	18	274
Kenora	34	1,363	8	12	41	8	124
Kingston	15	2,645	17	13	51	17	216
Kuujuuaq	40	1,104	31	16	10	24	56
La Grande Rivière	48	715	20	14	12	21	48
La Ronge	17	2,586	15	15	34	15	177
Lethbridge	13	2,705	26	12	38	11	160
Lloydminster	35	1,239	4	16	26	4	80
Medicine Hat	28	1,781	11	10	37	9	134
Mont-Joli	47	748	7	19	10	7	51
Montréal/Mirabel International	14	2,651	6	11	34	27	151
Nanaimo	8	3,598	4	12	50	4	372
Norman Wells	24	2,019	29	11	33	28	121
North Bay	2	4,675	9	10	53	9	277
Ottawa/Gatineau	7	3,727	30	16	72	4	298
Peace River	36	1,237	3	15	14	3	57
Penticton	22	2,169	5	10	35	8	159
Port Hardy	46	786	14	14	20	14	66
Prince Albert	20	2,261	15	14	24	15	117
Prince Rupert	51	259	6	10	6	31	17
Rankin Inlet	39	1,126	17	12	16	17	75
Red Deer Regional	1	5,309	17	17	67	2	358
Rouyn-Noranda	30	1,547	18	14	22	18	167
Saint John	32	1,435	2	10	23	28	95
Sept-Îles	9	3,004	9	14	40	9	174
Sioux Lookout	11	2,824	24	12	21	17	131
Smithers	42	1,011	30	11	29	30	95
St. Catharines	5	3,823	26	15	48	18	322
Sudbury	4	4,100	15	12	45	14	212
Terrace	23	2,022	7	17	34	7	170
Thompson	16	2,611	1	11	20	16	137
Timmins	19	2,484	7	19	15	7	117
Val-d'Or	25	1,966	28	18	24	1	148
Victoria Harbour	10	2,982	24	11	20	24	150
Wabush	29	1,571	7	16	14	28	72
Whitecourt	18	2,559	3	14	44	3	199
Williams Lake	44	902	27	16	22	27	90

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	25	3,655	23	11	25	7	197
Boundary Bay	15	5,781	25	14	52	25	356
Calgary International	3	19,728	22	18	61	8	782
Calgary/Springbank	19	5,047	8	15	36	4	308
Chicoutimi/St-Honoré	35	2,405	25	13	24	25	172
Edmonton City Centre	27	3,446	31	14	19	1	155
Edmonton International	5	12,694	22	16	46	22	539
Edmonton/Villeneuve	41	1,732	18	10	32	26	211
Fort McMurray	8	7,865	22	15	37	22	420
Fredericton International	28	3,085	2	19	21	28	240
Gander International	39	1,820	23	14	15	29	126
Halifax/Robert L. Stanfield International	13	6,889	7	17	23	1	273
Hamilton	37	2,233	13	16	14	16	115
Kelowna	21	4,422	20	12	19	7	180
Kitchener/Waterloo	20	4,576	1	12	32	27	299
Langley	34	2,411	5	11	41	5	237
London	22	3,723	17	15	26	17	202
Moncton/Greater Moncton International	29	3,037	7	16	16	28	188
Montréal/Pierre Elliott Trudeau International	4	18,185	16	18	62	31	685
Montréal/St-Hubert	11	7,196	17	14	47	1	467
Oshawa	33	2,613	5	12	34	18	199
Ottawa/Macdonald-Cartier International	6	10,693	30	16	43	30	491
Pitt Meadows	31	2,751	4	12	28	20	166
Prince George	36	2,291	10	13	20	10	122
Québec/Jean Lesage International	10	7,519	14	11	37	28	398
Regina International	26	3,621	2	10	21	2	169
Saskatoon/John G. Diefenbaker International	14	5,810	8	14	26	21	272
Sault Ste. Marie	32	2,696	30	15	34	27	143
St. John's International	23	3,700	7	12	18	23	161
St-Jean	40	1,764	4	13	35	4	295
Thunder Bay	17	5,335	14	11	29	10	253
Toronto/Billy Bishop Toronto City	9	7,651	17	17	38	17	340
Toronto/Buttonville Municipal	16	5,418	8	11	43	17	350
Toronto/Lester B. Pearson International	1	35,694	13	18	96	30	1,297
Vancouver Harbour	18	5,186	24	16	31	24	236
Vancouver International	2	25,351	23	17	81	31	954
Victoria International	12	7,190	31	15	38	31	348
Whitehorse International	38	2,001	23	13	16	29	107
Windsor	42	1,649	27	14	15	1	88
Winnipeg/James Armstrong Richardson International	7	9,875	25	11	38	15	408
Winnipeg/St. Andrews	30	2,966	4	10	25	23	206
Yellowknife	24	3,674	7	15	22	15	163

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	655	15	19	9	9	47
Campbell River	26	1,368	4	15	13	4	70
Castlegar	49	484	17	13	13	17	32
Charlottetown	41	863	28	13	8	8	47
Churchill	44	763	8	9	7	16	47
Cranbrook	36	1,015	18	11	26	18	145
Deer Lake	28	1,323	24	8	10	10	57
Fort Nelson	21	1,603	15	10	24	15	117
Fort St. John	13	2,034	7	9	16	7	109
Grande Prairie	2	3,171	20	10	20	23	160
High Level	25	1,440	23	19	16	31	107
Îles-de-la-Madeleine	50	377	7	13	4	7	18
Inuvik/Mike Zubko	37	984	15	12	9	15	60
Iqaluit	23	1,481	31	14	12	10	70
Kamloops	8	2,469	5	14	18	8	139
Kenora	39	925	8	12	11	16	56
Kingston	18	1,643	27	11	12	1	100
Kuujuuaq	35	1,022	31	16	10	31	50
La Grande Rivière	47	687	20	14	10	21	36
La Ronge	14	1,918	29	16	17	29	118
Lethbridge	16	1,759	22	13	20	11	140
Lloydminster	40	917	8	16	9	7	48
Medicine Hat	31	1,177	28	15	12	9	86
Mont-Joli	46	706	7	19	10	7	47
Montréal/Mirabel International	34	1,093	6	11	8	8	63
Nanaimo	11	2,094	11	14	26	4	188
Norman Wells	38	973	13	11	11	31	54
North Bay	15	1,791	17	12	14	7	94
Ottawa/Gatineau	20	1,615	18	10	22	18	155
Peace River	30	1,212	3	15	14	17	56
Penticton	29	1,235	5	10	33	5	111
Port Hardy	45	716	1	15	8	30	40
Prince Albert	12	2,081	9	16	17	13	114
Prince Rupert	51	259	6	10	6	31	17
Rankin Inlet	33	1,108	17	12	16	17	71
Red Deer Regional	4	2,830	11	12	38	5	203
Rouyn-Noranda	27	1,335	18	14	22	18	151
Saint John	32	1,171	4	9	8	28	59
Sept-Îles	10	2,310	4	11	14	14	110
Sioux Lookout	5	2,690	17	15	16	17	129
Smithers	43	779	2	15	12	23	47
St. Catharines	7	2,549	26	10	45	26	301
Sudbury	1	3,180	6	18	22	8	152
Terrace	19	1,624	28	16	15	7	84
Thompson	6	2,563	16	17	17	16	135
Timmins	9	2,396	24	16	13	7	109
Val-d'Or	24	1,448	9	14	12	7	82
Victoria Harbour	3	2,976	24	11	18	24	148
Wabush	22	1,565	7	16	14	28	72
Whitecourt	17	1,689	18	15	20	21	132
Williams Lake	42	818	6	13	8	7	51

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	4	6,792	14	11	66	14	452
Boundary Bay	1	8,686	31	10	92	11	560
Calgary International	38	204	11	13	18	11	58
Calgary/Springbank	5	6,728	17	10	70	17	452
Chicoutimi/St-Honoré	8	4,572	30	13	86	28	400
Edmonton City Centre	34	552	28	13	24	15	50
Edmonton International	35	370	31	19	18	31	32
Edmonton/Villeneuve	14	3,352	9	11	62	31	260
Fort McMurray	31	880	16	12	32	16	84
Fredericton International	12	3,630	2	15	54	19	292
Gander International	30	964	4	14	38	30	132
Halifax/Robert L. Stanfield International	36	316	5	12	18	5	56
Hamilton	29	1,050	30	10	22	30	90
Kelowna	21	2,304	8	11	42	28	174
Kitchener/Waterloo	3	6,998	27	14	68	17	490
Langley	22	2,254	16	12	44	9	146
London	15	2,726	17	15	50	17	194
Moncton/Greater Moncton International	28	1,276	13	22	36	19	140
Montréal/Pierre Elliott Trudeau International	39	156	16	11	16	17	48
Montréal/St-Hubert	2	8,670	7	21	96	1	820
Oshawa	23	2,056	26	21	40	17	172
Ottawa/Macdonald-Cartier International	13	3,402	15	9	62	28	266
Pitt Meadows	6	5,364	24	11	76	24	330
Prince George	18	2,522	26	11	88	18	272
Québec/Jean Lesage International	11	3,696	30	13	64	28	320
Regina International	27	1,349	22	22	34	29	116
Saskatoon/John G. Diefenbaker International	20	2,354	15	9	44	1	176
Sault Ste. Marie	16	2,704	25	15	36	13	188
St. John's International	37	278	27	11	22	8	56
St-Jean	25	1,860	8	9	36	4	136
Thunder Bay	19	2,508	24	16	48	22	224
Toronto/Billy Bishop Toronto City	17	2,686	17	18	50	2	204
Toronto/Buttonville Municipal	7	4,724	30	8	68	30	314
Toronto/Lester B. Pearson International	40	130	8	11	8	25	20
Vancouver Harbour	42	6	11	18	2	11	2
Vancouver International	41	32	20	11	4	4	4
Victoria International	10	3,836	9	21	52	28	226
Whitehorse International	24	2,020	1	13	76	1	316
Windsor	33	746	4	10	20	24	56
Winnipeg/James Armstrong Richardson International	32	758	6	21	20	15	66
Winnipeg/St. Andrews	9	4,496	9	17	64	16	332
Yellowknife	26	1,374	12	15	44	14	128

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	20	569	2	16	34	2	80
Campbell River	14	878	2	15	34	2	116
Castlegar	34	114	23	13	10	23	18
Charlottetown	30	194	13	16	24	13	48
Churchill	40	53	27	0	10	27	20
Cranbrook	33	120	1	10	16	8	36
Deer Lake	35	90	30	11	22	30	38
Fort Nelson	28	220	10	10	18	30	32
Fort St. John	16	766	28	17	38	28	82
Grande Prairie	6	1,376	24	17	54	7	164
High Level	24	352	25	9	40	26	110
Îles-de-la-Madeleine	44	38	1	15	10	1	12
Inuvik/Mike Zubko	50	6	12	10	2	12	2
Iqaluit	41	50	1	17	6	1	8
Kamloops	7	1,308	18	15	30	18	166
Kenora	22	438	25	20	32	8	76
Kingston	10	1,002	17	13	42	17	122
Kuujuuaq	38	82	7	15	4	24	10
La Grande Rivière	45	28	21	8	4	21	12
La Ronge	18	668	15	15	26	15	76
Lethbridge	11	946	26	12	30	26	78
Lloydminster	25	322	4	16	20	4	46
Medicine Hat	19	604	11	10	30	31	58
Mont-Joli	43	42	16	10	4	21	6
Montréal/Mirabel International	4	1,558	6	11	26	27	110
Nanaimo	5	1,504	4	9	36	4	184
Norman Wells	9	1,046	29	11	26	28	78
North Bay	1	2,884	9	10	44	26	192
Ottawa/Gatineau	3	2,112	30	16	64	4	164
Peace River	46	25	5	10	6	5	6
Penticton	12	934	9	16	24	8	108
Port Hardy	39	70	14	14	18	14	40
Prince Albert	31	180	10	10	14	10	30
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	47	18	27	14	6	27	6
Red Deer Regional	2	2,479	17	17	57	2	196
Rouyn-Noranda	29	212	8	18	14	7	40
Saint John	26	264	2	10	20	2	56
Sept-Îles	17	694	9	14	36	9	86
Sioux Lookout	32	134	24	12	14	5	18
Smithers	27	232	30	10	24	30	68
St. Catharines	8	1,274	8	13	30	7	112
Sudbury	13	920	15	12	42	5	100
Terrace	23	398	7	12	24	7	86
Thompson	42	48	1	11	10	1	10
Timmins	36	88	13	12	8	13	14
Val-d'Or	21	518	7	21	18	1	72
Victoria Harbour	48	6	9	14	2	9	2
Wabush	49	6	11	21	2	22	4
Whitecourt	15	870	3	14	40	3	160
Williams Lake	37	84	27	15	20	27	56

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	4	6,792	14	11	66	14	452
Boundary Bay	1	8,686	31	10	92	11	560
Calgary International	38	204	11	13	18	11	58
Calgary/Springbank	5	6,728	17	10	70	17	452
Chicoutimi/St-Honoré	8	4,572	30	13	86	28	400
Edmonton City Centre	34	552	28	13	24	15	50
Edmonton International	35	368	31	19	18	31	32
Edmonton/Villeneuve	14	3,352	9	11	62	31	260
Fort McMurray	31	874	16	12	32	16	84
Fredericton International	12	3,630	2	15	54	19	292
Gander International	30	964	4	14	38	30	132
Halifax/Robert L. Stanfield International	36	296	5	12	18	5	50
Hamilton	29	1,050	30	10	22	30	90
Kelowna	21	2,278	8	11	36	28	174
Kitchener/Waterloo	3	6,994	27	14	68	17	490
Langley	22	2,254	16	12	44	9	146
London	15	2,722	17	15	50	17	194
Moncton/Greater Moncton International	27	1,268	13	22	36	19	140
Montréal/Pierre Elliott Trudeau International	39	154	16	11	16	17	46
Montréal/St-Hubert	2	8,670	7	21	96	1	820
Oshawa	23	2,056	26	21	40	17	172
Ottawa/Macdonald-Cartier International	13	3,394	15	9	62	28	266
Pitt Meadows	6	5,360	24	11	76	24	330
Prince George	18	2,522	26	11	88	18	272
Québec/Jean Lesage International	11	3,692	30	13	64	28	320
Regina International	28	1,061	22	22	34	8	100
Saskatoon/John G. Diefenbaker International	20	2,288	28	11	38	1	176
Sault Ste. Marie	16	2,700	25	15	36	13	188
St. John's International	37	278	27	11	22	8	56
St-Jean	25	1,860	8	9	36	4	136
Thunder Bay	19	2,486	24	16	48	22	224
Toronto/Billy Bishop Toronto City	17	2,686	17	18	50	2	204
Toronto/Buttonville Municipal	7	4,724	30	8	68	30	314
Toronto/Lester B. Pearson International	40	130	8	11	8	25	20
Vancouver Harbour	42	6	11	18	2	11	2
Vancouver International	41	32	20	11	4	4	4
Victoria International	10	3,822	9	21	52	28	226
Whitehorse International	24	2,020	1	13	76	1	316
Windsor	33	746	4	10	20	24	56
Winnipeg/James Armstrong Richardson International	32	756	6	21	20	15	66
Winnipeg/St. Andrews	9	4,496	9	17	64	16	332
Yellowknife	26	1,366	12	15	44	14	128

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	20	569	2	16	34	2	80
Campbell River	14	876	2	15	34	2	116
Castlegar	34	110	23	13	10	23	18
Charlottetown	30	188	13	16	24	13	46
Churchill	42	46	27	0	10	27	20
Cranbrook	33	120	1	10	16	8	36
Deer Lake	35	90	30	11	22	30	38
Fort Nelson	28	220	10	10	18	30	32
Fort St. John	16	766	28	17	38	28	82
Grande Prairie	6	1,376	24	17	54	7	164
High Level	24	352	25	9	40	26	110
Îles-de-la-Madeleine	44	30	1	15	10	1	12
Inuvik/Mike Zubko	48	6	12	10	2	12	2
Iqaluit	40	48	1	17	6	1	8
Kamloops	7	1,294	18	15	30	18	166
Kenora	22	438	25	20	32	8	76
Kingston	10	996	17	13	42	17	122
Kuuujuaq	37	82	7	15	4	24	10
La Grande Rivière	45	28	21	8	4	21	12
La Ronge	18	668	15	15	26	15	76
Lethbridge	11	946	26	12	30	26	78
Lloydminster	25	322	4	16	20	4	46
Medicine Hat	19	600	11	10	30	31	58
Mont-Joli	43	42	16	10	4	21	6
Montréal/Mirabel International	4	1,536	6	11	26	27	110
Nanaimo	5	1,500	4	9	36	4	184
Norman Wells	9	1,046	29	11	26	28	78
North Bay	1	2,884	9	10	44	26	192
Ottawa/Gatineau	3	2,112	30	16	64	4	164
Peace River	46	25	5	10	6	5	6
Penticton	12	934	9	16	24	8	108
Port Hardy	39	66	14	14	18	14	40
Prince Albert	31	180	10	10	14	10	30
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	47	18	27	14	6	27	6
Red Deer Regional	2	2,479	17	17	57	2	196
Rouyn-Noranda	29	212	8	18	14	7	40
Saint John	26	260	2	10	20	2	56
Sept-Îles	17	694	9	14	36	9	86
Sioux Lookout	32	134	24	12	14	5	18
Smithers	27	232	30	10	24	30	68
St. Catharines	8	1,274	8	13	30	7	112
Sudbury	13	920	15	12	42	5	100
Terrace	23	398	7	12	24	7	86
Thompson	41	48	1	11	10	1	10
Timmins	36	88	13	12	8	13	14
Val-d'Or	21	516	7	21	18	1	72
Victoria Harbour	50	6	9	14	2	9	2
Wabush	49	6	11	21	2	22	4
Whitecourt	15	870	3	14	40	3	160
Williams Lake	38	82	27	15	20	27	56

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 City Centre	0	0	0	0	0	0	0
Edmonton International	16	2	2	11	2	2	2
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	10	6	31	16	4	31	4
Fredericton International	0	0	0	0	0	0	0
Gander International	0	0	0	0	0	0	0
Halifax/Robert L. Stanfield International	5	20	6	15	8	6	10
Hamilton	0	0	0	0	0	0	0
Kelowna	3	26	10	16	8	3	8
Kitchener/Waterloo	14	4	27	15	2	27	2
Langley	0	0	0	0	0	0	0
London	11	4	19	14	4	19	4
Moncton/Greater Moncton International	8	8	7	8	2	7	4
Montréal/Pierre Elliott Trudeau International	17	2	17	14	2	17	2
Montréal/St-Hubert	0	0	0	0	0	0	0
Oshawa	0	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	7	8	24	17	2	30	4
Pitt Meadows	15	4	19	18	4	19	4
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	13	4	30	18	2	30	2
Regina International	1	288	3	21	20	3	24
Saskatoon/John G. Diefenbaker International	2	66	15	9	12	15	14
Sault Ste. Marie	12	4	19	13	2	19	2
St. John's International	0	0	0	0	0	0	0
St-Jean	0	0	0	0	0	0	0
Thunder Bay	4	22	27	11	12	27	22
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	6	14	4	15	4	4	6
Whitehorse International	0	0	0	0	0	0	0
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	18	2	25	11	2	25	2
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	9	8	30	10	4	30	4

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	13	2	22	11	2	22	2
Castlegar	7	4	12	14	2	12	2
Charlottetown	5	6	9	18	2	9	2
Churchill	4	7	16	11	3	16	5
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	3	8	16	11	2	16	2
Inuvik/Mike Zubko	0	0	0	0	0	0	0
Iqaluit	12	2	27	18	2	27	2
Kamloops	2	14	10	16	6	10	8
Kenora	0	0	0	0	0	0	0
Kingston	6	6	8	13	2	8	2
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	9	4	9	13	4	9	4
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	1	22	9	15	12	9	12
Nanaimo	8	4	13	10	2	13	2
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	11	4	19	11	4	19	4
Prince Albert	0	0	0	0	0	0	0
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	0	0	0	0	0	0	0
Rouyn-Noranda	0	0	0	0	0	0	0
Saint John	10	4	7	14	2	7	2
Sept-Îles	0	0	0	0	0	0	0
Sioux Lookout	0	0	0	0	0	0	0
Smithers	0	0	0	0	0	0	0
St. Catharines	0	0	0	0	0	0	0
Sudbury	0	0	0	0	0	0	0
Terrace	0	0	0	0	0	0	0
Thompson	0	0	0	0	0	0	0
Timmins	0	0	0	0	0	0	0
Val-d'Or	15	2	8	20	2	8	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	14	2	11	12	2	11	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. 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

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.

Hurricane Sandy struck the northeastern United States and eastern Canada in October 2012 forcing numerous flight cancellations.

In June 2012, Porter Airlines commenced summer service to Mont Tremblant, with four weekly flights between Toronto/Billy Bishop Toronto City Airport and Mont Tremblant International Airport.

Starting in May 2012, WestJet launched a new non-stop seasonal service between Toronto/Lester B. Pearson International and Aruba, Netherlands Antilles. The airline also introduced daily non-stop flights to Chicago from both Calgary International and Vancouver International as well as from Vancouver International to Whitehorse International.

Beginning in April 2012, Porter Airlines increased weekday roundtrip flights from six to seven between Toronto/Billy Bishop Toronto City Airport and Boston's Logan International Airport.

In April 2012, Air Canada cancelled approximately 75 flights at Toronto/Lester B. Pearson International Airport due to a one day work action by the airline's pilots.

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.