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



July 2013



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Statistics Canada
Transportation Division

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

July 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

There were 581,635 aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in July 2013 compared with 572,826 movements in July 2012. This represents an increase of 1.5%.

Itinerant movements (flights from one airport to another) increased 0.6% (+2,300 movements) in July 2013 from the same month the previous year. These airports reported 416,783 movements compared with 414,483 movements in July 2012.

There were 164,852 local movements (flights that remain in the vicinity of the airport) in July 2013 compared with 158,343 movements in July 2012 (an increase of 4.1 %).

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, July 2012 to July 2013	number	percentage change, July 2012 to July 2013	number	percentage change, July 2012 to July 2013
Grand total	459,538	2.7	122,097	-2.7	581,635	1.5
Itinerant movements						
Air carriers	243,046	1.2	66,466	-4.6	309,512	-0.1
Other commercial movements	30,988	1.0	6,428	25.7	37,416	4.5
Private movements	39,961	3.4	15,437	-4.0	55,398	1.3
Government civil movements	4,566	-7.9	2,701	-16.4	7,267	-11.2
Government military movements	6,214	25.1	976	-9.8	7,190	18.9
Itinerant total	324,775	1.7	92,008	-3.3	416,783	0.6
Local movements						
Civil local movements	134,075	5.1	29,825	-0.8	163,900	4.0
Military local movements	688	30.8	264	16.8	952	26.6
Local total	134,763	5.2	30,089	-0.7	164,852	4.1

Analysis

There were 581,635 aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in July 2013 compared with 572,826 movements in July 2012. Year-over-year increases were reported by 54 airports. Toronto/Lester B. Pearson International, Ontario (39,346 movements) and Vancouver International, British Columbia (31,004 movements) were the most active sites in July.

Itinerant movements (flights from one airport to another) increased 0.6% (+2,300 movements) in July 2013 from the same month the previous year. These airports reported 416,783 movements compared with 414,483 movements in July 2012. Year-over-year variations ranged from an increase of 2,442 movements (+37.5%) at St-Jean, Quebec to a drop of 1,814 movements (-45.9%) at Fort Nelson, British Columbia. Forty-four airports reported year-over-year increases in the number of itinerant aircraft movements in July 2013.

In July 2013, there were 164,852 local movements (flights that remain in the vicinity of the airport) recorded. This represents an increase of 4.1% (+6,509 movements) compared with the previous year. Boundary Bay, British Columbia (11,588 movements) and Montréal/St-Hubert, Quebec (10,650 movements) recorded the largest number of local movements.

Itinerant movements: domestic, transborder and international

There were 359,684 domestic itinerant movements reported by 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in July 2013, up 0.9% (+3,164 movements) from July 2012. Year-over-year variations ranged from an increase of 2,441 movements (+37.5%) at St-Jean, Quebec to a drop of 1,814 movements (-45.9%) at Fort Nelson, British Columbia. Forty-eight airports reported year-over-year increases in the number of domestic movements in July 2013.

Ninety-one airports recorded 45,588 transborder itinerant movements (between Canada and the United States) in July 2013, down 2.0% (-907 movements) from the same month in 2012. Toronto/Lester B. Pearson International, Ontario (15,678 movements) reported the greatest number of transborder itinerant movements.

In July 2013, forty-four airports reported 11,511 other international itinerant movements, up 0.4% from July 2012. Toronto/Lester B. Pearson International, Ontario, recorded 5,427 other international itinerant movements. This represents 47.1% 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
401-0014	Aircraft movements, by class of operation and peak hour and peak day of movements, airports with NAV CANADA flight service stations, monthly
401-0015	Aircraft movements, by civil and military movements, airports with NAV CANADA flight service stations, monthly
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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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401-0037	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	15	11,877	25	4,443	6	7,434
Boundary Bay	4	21,062	9	9,474	1	11,588
Calgary International	3	21,865	3	21,755	39	110
Calgary/Springbank	13	12,525	19	5,629	7	6,896
Chicoutimi/St-Honoré	31	6,069	41	2,321	14	3,748
Edmonton City Centre	39	4,048	33	3,486	33	562
Edmonton International	10	13,551	5	13,229	36	322
Edmonton/Villeneuve	35	4,450	42	1,148	16	3,302
Fort McMurray	21	8,783	14	8,115	32	668
Fredericton International	20	10,223	26	4,373	9	5,850
Gander International	37	4,340	37	2,594	25	1,746
Halifax/Robert L. Stanfield International	26	7,726	15	7,400	35	326
Hamilton	42	3,336	40	2,408	29	928
Kelowna	25	8,054	22	5,236	19	2,818
Kitchener/Waterloo	12	13,200	20	5,396	5	7,804
Langley	32	5,220	34	2,802	22	2,418
London	23	8,603	24	4,743	12	3,860
Moncton/Greater Moncton International	30	6,220	30	4,052	23	2,168
Montréal/Pierre Elliott Trudeau International	5	19,831	4	19,751	40	80
Montréal/St-Hubert	6	19,039	13	8,389	2	10,650
Oshawa	27	7,032	27	4,338	20	2,694
Ottawa/Macdonald-Cartier International	9	14,759	6	10,905	13	3,854
Pitt Meadows	18	10,874	28	4,248	8	6,626
Prince George	41	3,404	36	2,618	31	786
Québec/Jean Lesage International	16	11,756	11	8,728	17	3,028
Regina International	33	5,087	32	3,620	27	1,467
Saskatoon/John G. Diefenbaker International	22	8,738	17	6,264	21	2,474
Sault Ste. Marie	28	6,961	35	2,769	11	4,192
St. John's International	38	4,325	31	4,043	37	282
St-Jean	19	10,637	10	8,951	26	1,686
Thunder Bay	24	8,216	21	5,326	18	2,890
Toronto/Billy Bishop Toronto City	14	12,244	12	8,658	15	3,586
Toronto/Buttonville Municipal	8	15,268	18	6,190	3	9,078
Toronto/Lester B. Pearson International	1	39,346	1	39,232	38	114
Vancouver Harbour	29	6,623	16	6,619	42	4
Vancouver International	2	31,004	2	30,990	41	14
Victoria International	7	15,708	8	10,022	10	5,686
Whitehorse International	40	3,564	38	2,420	28	1,144
Windsor	36	4,415	39	2,417	24	1,998
Winnipeg/James Armstrong Richardson International	17	11,500	7	10,582	30	918
Winnipeg/St. Andrews	11	13,333	23	4,895	4	8,438
Yellowknife	34	4,722	29	4,196	34	526
Total of NAV CANADA towers (42)	.	459,538	.	324,775	.	134,763

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	27	2,027	45	905	9	1,122
Campbell River	12	3,278	14	2,350	13	928
Castlegar	46	935	46	895	40	40
Charlottetown	30	1,819	30	1,597	26	222
Churchill	49	829	49	783	38	46
Cranbrook	43	1,174	40	1,050	31	124
Deer Lake	31	1,793	25	1,695	34	98
Fort Nelson	21	2,247	16	2,135	32	112
Fort St. John	15	2,886	13	2,394	18	492
Grande Prairie	6	4,028	12	2,544	7	1,484
High Level	29	1,844	29	1,608	25	236
Îles-de-la-Madeleine	50	546	50	522	45	24
Inuvik/Mike Zubko	32	1,767	24	1,737	42	30
Iqaluit	25	2,070	18	2,032	41	38
Kamloops	11	3,415	8	2,687	14	728
Kenora	38	1,536	36	1,232	23	304
Kingston	17	2,796	21	1,790	11	1,006
Kuujuuaq	33	1,766	26	1,688	36	78
La Grande Rivière	47	929	44	911	47	18
La Ronge	23	2,123	23	1,765	22	358
Lethbridge	13	3,260	15	2,259	12	1,001
Lloydminster	41	1,368	47	872	17	496
Medicine Hat	2	5,308	7	2,698	2	2,610
Mont-Joli	48	853	48	827	44	26
Montréal/Mirabel International	14	3,124	41	1,036	4	2,088
Nanaimo	4	4,325	6	2,927	8	1,398
Norman Wells	34	1,741	28	1,639	33	102
North Bay	16	2,885	22	1,771	10	1,114
Ottawa/Gatineau	5	4,057	27	1,685	3	2,372
Peace River	45	951	43	921	43	30
Penticton	22	2,158	31	1,534	15	624
Port Hardy	44	1,158	38	1,148	50	10
Prince Albert	24	2,086	19	2,004	35	82
Prince Rupert	51	331	51	318	49	13
Rankin Inlet	39	1,464	33	1,420	39	44
Red Deer Regional	1	8,088	3	3,492	1	4,596
Rouyn-Noranda	40	1,445	37	1,195	24	250
Saint John	35	1,675	35	1,269	19	406
Sept-Îles	10	3,537	5	3,163	21	374
Sioux Lookout	20	2,583	11	2,561	46	22
Smithers	36	1,630	34	1,412	27	218
St. Catharines	7	3,700	17	2,094	6	1,606
Sudbury	3	5,218	1	3,580	5	1,638
Terrace	26	2,065	20	2,001	37	64
Thompson	8	3,659	4	3,462	28	197
Timmins	18	2,726	10	2,596	30	130
Val-d'Or	28	1,876	32	1,494	20	382
Victoria Harbour	9	3,577	2	3,561	48	16
Wabush	19	2,681	9	2,681	0	0
Whitecourt	37	1,556	42	1,016	16	540
Williams Lake	42	1,204	39	1,052	29	152
Total of all flight service stations (51)	.	122,097	.	92,008	.	30,089

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	11,817	3,332	1,077	7,408	60	34	26	
Boundary Bay	21,011	7,275	2,150	11,586	51	49	2	
Calgary International	21,657	20,092	1,455	110	208	208	0	
Calgary/Springbank	12,446	3,560	1,990	6,896	79	79	0	
Chicoutimi/St-Honoré	6,069	2,034	287	3,748	0	0	0	
Edmonton City Centre	4,040	1,960	1,518	562	8	8	0	
Edmonton International	13,510	12,193	1,015	302	41	21	20	
Edmonton/Villeneuve	4,430	709	419	3,302	20	20	0	
Fort McMurray	8,779	6,945	1,170	664	4	0	4	
Fredericton International	10,198	3,995	355	5,848	25	23	2	
Gander International	4,191	2,033	414	1,744	149	147	2	
Halifax/Robert L. Stanfield International	7,635	6,954	373	308	91	73	18	
Hamilton	3,330	1,891	511	928	6	6	0	
Kelowna	7,890	4,214	980	2,696	164	42	122	
Kitchener/Waterloo	13,192	4,162	1,226	7,804	8	8	0	
Langley	5,207	1,668	1,121	2,418	13	13	0	
London	8,584	3,853	873	3,858	19	17	2	
Moncton/Greater Moncton International	6,200	3,686	356	2,158	20	10	10	
Montréal/Pierre Elliott Trudeau International	19,828	18,596	1,152	80	3	3	0	
Montréal/St-Hubert	18,981	6,845	1,486	10,650	58	58	0	
Oshawa	7,008	3,163	1,151	2,694	24	24	0	
Ottawa/Macdonald-Cartier International	14,593	10,059	690	3,844	166	156	10	
Pitt Meadows	10,859	2,247	1,992	6,620	15	9	6	
Prince George	3,398	2,028	584	786	6	6	0	
Québec/Jean Lesage International	11,720	7,254	1,438	3,028	36	36	0	
Regina International	4,765	2,965	599	1,201	322	56	266	
Saskatoon/John G. Diefenbaker International	8,465	5,088	1,039	2,338	273	137	136	
Sault Ste. Marie	6,905	2,462	263	4,180	56	44	12	
St. John's International	4,133	3,453	402	278	192	188	4	
St-Jean	6,531	455	4,390	1,686	4,106	4,106	0	
Thunder Bay	8,149	4,736	539	2,874	67	51	16	
Toronto/Billy Bishop Toronto City	12,236	8,038	612	3,586	8	8	0	
Toronto/Buttonville Municipal	15,264	3,189	2,997	9,078	4	4	0	
Toronto/Lester B. Pearson International	39,341	38,180	1,047	114	5	5	0	
Vancouver Harbour	6,615	6,462	149	4	8	8	0	
Vancouver International	30,978	29,568	1,396	14	26	26	0	
Victoria International	15,563	7,545	2,352	5,666	145	125	20	
Whitehorse International	3,539	1,687	708	1,144	25	25	0	
Windsor	4,401	1,964	439	1,998	14	14	0	
Winnipeg/James Armstrong Richardson International	11,217	9,413	892	912	283	277	6	
Winnipeg/St. Andrews	13,327	4,385	504	8,438	6	6	0	
Yellowknife	4,634	3,696	416	522	88	84	4	
Total of NAV CANADA towers (42)	452,636	274,034	44,527	134,075	6,902	6,214	688	

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			Commercial	Private and government	
	number							
Brandon Municipal	1,999	349	542	1,108	28	14	14	
Campbell River	3,271	1,546	803	922	7	1	6	
Castlegar	931	766	129	36	4	0	4	
Charlottetown	1,755	976	587	192	64	34	30	
Churchill	820	729	49	42	9	5	4	
Cranbrook	1,150	732	294	124	24	24	0	
Deer Lake	1,775	1,546	131	98	18	18	0	
Fort Nelson	2,232	1,848	272	112	15	15	0	
Fort St. John	2,776	1,897	387	492	110	110	0	
Grande Prairie	4,026	2,034	508	1,484	2	2	0	
High Level	1,844	1,551	57	236	0	0	0	
Îles-de-la-Madeleine	526	421	85	20	20	16	4	
Inuvik/Mike Zubko	1,605	1,503	80	22	162	154	8	
Iqaluit	2,018	1,792	196	30	52	44	8	
Kamloops	3,376	2,082	574	720	39	31	8	
Kenora	1,461	800	371	290	75	61	14	
Kingston	2,796	1,287	503	1,006	0	0	0	
Kuujuuaq	1,766	1,595	93	78	0	0	0	
La Grande Rivière	927	767	142	18	2	2	0	
La Ronge	2,117	1,373	390	354	6	2	4	
Lethbridge	3,164	1,524	675	965	96	60	36	
Lloydminster	1,362	450	416	496	6	6	0	
Medicine Hat	5,215	2,205	406	2,604	93	87	6	
Mont-Joli	851	668	157	26	2	2	0	
Montréal/Mirabel International	3,084	790	238	2,056	40	8	32	
Nanaimo	4,260	1,676	1,204	1,380	65	47	18	
Norman Wells	1,737	1,576	59	102	4	4	0	
North Bay	2,853	1,215	524	1,114	32	32	0	
Ottawa/Gatineau	4,046	713	965	2,368	11	7	4	
Peace River	951	770	151	30	0	0	0	
Penticton	2,098	820	666	612	60	48	12	
Port Hardy	1,146	965	171	10	12	12	0	
Prince Albert	2,056	1,671	329	56	30	4	26	
Prince Rupert	327	232	82	13	4	4	0	
Rankin Inlet	1,464	1,388	32	44	0	0	0	
Red Deer Regional	8,036	2,506	934	4,596	52	52	0	
Rouyn-Noranda	1,437	972	221	244	8	2	6	
Saint John	1,666	881	383	402	9	5	4	
Sept-Îles	3,533	2,673	486	374	4	4	0	
Sioux Lookout	2,583	2,430	131	22	0	0	0	
Smithers	1,629	1,224	187	218	1	1	0	
St. Catharines	3,695	1,422	667	1,606	5	5	0	
Sudbury	5,200	2,983	581	1,636	18	16	2	
Terrace	2,065	1,852	149	64	0	0	0	
Thompson	3,653	2,848	608	197	6	6	0	
Timmins	2,724	2,221	373	130	2	2	0	
Val-d'Or	1,865	1,151	336	378	11	7	4	
Victoria Harbour	3,574	3,442	116	16	3	3	0	
Wabush	2,681	2,430	251	0	0	0	0	
Whitecourt	1,538	787	211	540	18	18	0	
Williams Lake	1,193	815	236	142	11	1	10	
Total of all flight service stations (51)	120,857	72,894	18,138	29,825	1,240	976	264	

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	4,443	495	2,756	81	1,017	60	34
Boundary Bay	9,474	4	1,366	5,905	2,141	9	49
Calgary International	21,755	18,531	1,158	403	1,333	122	208
Calgary/Springbank	5,629	21	615	2,924	1,955	35	79
Chicoutimi/St-Honoré	2,321	1,646	159	229	283	4	0
Edmonton City Centre	3,486	301	458	1,201	1,001	517	8
Edmonton International	13,229	11,664	393	136	823	192	21
Edmonton/Villeneuve	1,148	12	97	600	419	0	20
Fort McMurray	8,115	2,268	4,425	252	1,143	27	0
Fredericton International	4,373	896	3,084	15	326	29	23
Gander International	2,594	1,936	78	19	369	45	147
Halifax/Robert L. Stanfield International	7,400	6,489	452	13	340	33	73
Hamilton	2,408	1,638	112	141	292	219	6
Kelowna	5,236	3,444	295	475	900	80	42
Kitchener/Waterloo	5,396	409	3,676	77	1,204	22	8
Langley	2,802	16	184	1,468	1,041	80	13
London	4,743	1,195	414	2,244	796	77	17
Moncton/Greater Moncton International	4,052	1,855	1,817	14	212	144	10
Montréal/Pierre Elliott Trudeau International	19,751	17,465	1,053	78	1,008	144	3
Montréal/St-Hubert	8,389	3,821	802	2,222	1,347	139	58
Oshawa	4,338	58	85	3,020	1,090	61	24
Ottawa/Macdonald-Cartier International	10,905	7,556	274	2,229	388	302	156
Pitt Meadows	4,248	8	1,652	587	1,979	13	9
Prince George	2,618	1,364	617	47	537	47	6
Québec/Jean Lesage International	8,728	4,237	2,439	578	1,057	381	36
Regina International	3,620	2,151	748	66	489	110	56
Saskatoon/John G. Diefenbaker International	6,264	3,610	1,109	369	778	261	137
Sault Ste. Marie	2,769	1,040	48	1,374	182	81	44
St. John's International	4,043	2,969	470	14	231	171	188
St-Jean	8,951	45	303	107	4,388	2	4,106
Thunder Bay	5,326	3,466	240	1,030	399	140	51
Toronto/Billy Bishop Toronto City	8,658	5,251	1,144	1,643	602	10	8
Toronto/Buttonville Municipal	6,190	167	2,964	58	2,875	122	4
Toronto/Lester B. Pearson International	39,232	37,277	876	27	1,030	17	5
Vancouver Harbour	6,619	5,816	645	1	148	1	8
Vancouver International	30,990	26,703	2,759	106	1,207	189	26
Victoria International	10,022	3,160	4,068	317	2,331	21	125
Whitehorse International	2,420	879	769	39	657	51	25
Windsor	2,417	659	1,287	18	433	6	14
Winnipeg/James Armstrong Richardson International	10,582	8,975	377	61	477	415	277
Winnipeg/St. Andrews	4,895	742	2,929	714	504	0	6
Yellowknife	4,196	3,295	315	86	229	187	84
Total of NAV CANADA towers (42)	324,775	193,534	49,512	30,988	39,961	4,566	6,214

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	905	98	187	64	516	26	14
Campbell River	2,350	679	386	481	783	20	1
Castlegar	895	299	424	43	121	8	0
Charlottetown	1,597	911	59	6	581	6	34
Churchill	783	660	67	2	41	8	5
Cranbrook	1,050	571	143	18	291	3	24
Deer Lake	1,695	1,462	67	17	98	33	18
Fort Nelson	2,135	411	1,428	9	242	30	15
Fort St. John	2,394	889	966	42	375	12	110
Grande Prairie	2,544	1,128	885	21	500	8	2
High Level	1,608	457	1,053	41	43	14	0
Îles-de-la-Madeleine	522	392	29	0	35	50	16
Inuvik/Mike Zubko	1,737	1,135	368	0	44	36	154
Iqaluit	2,032	1,447	230	115	101	95	44
Kamloops	2,687	924	798	360	533	41	31
Kenora	1,232	408	260	132	342	29	61
Kingston	1,790	540	493	254	495	8	0
Kuujuuaq	1,688	970	406	219	71	22	0
La Grande Rivière	911	476	271	20	78	64	2
La Ronge	1,765	1,288	83	2	94	296	2
Lethbridge	2,259	422	174	928	660	15	60
Lloydminster	872	202	223	25	400	16	6
Medicine Hat	2,698	538	568	1,099	396	10	87
Mont-Joli	827	477	179	12	123	34	2
Montréal/Mirabel International	1,036	727	53	10	234	4	8
Nanaimo	2,927	544	1,055	77	1,180	24	47
Norman Wells	1,639	758	811	7	52	7	4
North Bay	1,771	714	296	205	497	27	32
Ottawa/Gatineau	1,685	114	471	128	946	19	7
Peace River	921	321	417	32	140	11	0
Penticton	1,534	371	357	92	629	37	48
Port Hardy	1,148	903	42	20	123	48	12
Prince Albert	2,004	1,596	63	12	174	155	4
Prince Rupert	318	204	28	0	70	12	4
Rankin Inlet	1,420	963	410	15	24	8	0
Red Deer Regional	3,492	330	2,051	125	924	10	52
Rouyn-Noranda	1,195	667	198	107	205	16	2
Saint John	1,269	769	91	21	379	4	5
Sept-Îles	3,163	1,440	1,184	49	208	278	4
Sioux Lookout	2,561	2,107	112	211	89	42	0
Smithers	1,412	638	567	19	185	2	1
St. Catharines	2,094	25	1,363	34	659	8	5
Sudbury	3,580	1,668	432	883	356	225	16
Terrace	2,001	766	1,063	23	131	18	0
Thompson	3,462	2,182	644	22	134	474	6
Timmins	2,596	2,069	128	24	226	147	2
Val-d'Or	1,494	730	364	57	280	56	7
Victoria Harbour	3,561	3,382	60	0	26	90	3
Wabush	2,681	1,252	1,009	169	160	91	0
Whitecourt	1,016	38	619	130	211	0	18
Williams Lake	1,052	490	279	46	232	4	1
Total of all flight service stations (51)	92,008	42,552	23,914	6,428	15,437	2,701	976

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	4,443	716	16.1	3,727	83.8	2,471
Boundary Bay	9,474	237	2.5	9,237	97.4	1,006
Calgary International	21,755	20,523	94.3	1,232	5.6	362
Calgary/Springbank	5,629	564	10.0	5,065	89.9	226
Chicoutimi/St-Honoré	2,321	138	5.9	2,183	94.0	156
Edmonton City Centre	3,486	989	28.3	2,497	71.6	1,678
Edmonton International	13,229	12,654	95.6	575	4.3	829
Edmonton/Villeneuve	1,148	87	7.5	1,061	92.4	97
Fort McMurray	8,115	2,763	34.0	5,352	65.9	338
Fredericton International	4,373	1,244	28.4	3,129	71.5	357
Gander International	2,594	1,306	50.3	1,288	49.6	265
Halifax/Robert L. Stanfield International	7,400	7,034	95.0	366	4.9	331
Hamilton	2,408	1,869	77.6	539	22.3	1,388
Kelowna	5,236	3,244	61.9	1,992	38.0	1,136
Kitchener/Waterloo	5,396	809	14.9	4,587	85.0	714
Langley	2,802	13	0.4	2,789	99.5	1,783
London	4,743	1,449	30.5	3,294	69.4	596
Moncton/Greater Moncton International	4,052	2,054	50.6	1,998	49.3	112
Montréal/Pierre Elliott Trudeau International	19,751	19,083	96.6	668	3.3	1,600
Montréal/St-Hubert	8,389	1,441	17.1	6,948	82.8	1,240
Oshawa	4,338	230	5.3	4,108	94.6	597
Ottawa/Macdonald-Cartier International	10,905	8,171	74.9	2,734	25.0	1,432
Pitt Meadows	4,248	17	0.4	4,231	99.5	2,092
Prince George	2,618	1,520	58.0	1,098	41.9	244
Québec/Jean Lesage International	8,728	5,624	64.4	3,104	35.5	1,865
Regina International	3,620	2,466	68.1	1,154	31.8	195
Saskatoon/John G. Diefenbaker International	6,264	4,186	66.8	2,078	33.1	417
Sault Ste. Marie	2,769	1,219	44.0	1,550	55.9	130
St. John's International	4,043	3,655	90.4	388	9.5	282
St-Jean	8,951	7	0.0	8,944	99.9	628
Thunder Bay	5,326	3,793	71.2	1,533	28.7	195
Toronto/Billy Bishop Toronto City	8,658	5,557	64.1	3,101	35.8	2,176
Toronto/Buttonville Municipal	6,190	674	10.8	5,516	89.1	1,358
Toronto/Lester B. Pearson International	39,232	39,130	99.7	102	0.2	312
Vancouver Harbour	6,619	0	0.0	6,619	100.0	3,553
Vancouver International	30,990	24,147	77.9	6,843	22.0	7,000
Victoria International	10,022	3,662	36.5	6,360	63.4	3,659
Whitehorse International	2,420	716	29.5	1,704	70.4	730
Windsor	2,417	835	34.5	1,582	65.4	137
Winnipeg/James Armstrong Richardson International	10,582	9,356	88.4	1,226	11.5	876
Winnipeg/St. Andrews	4,895	121	2.4	4,774	97.5	151
Yellowknife	4,196	2,313	55.1	1,883	44.8	1,486
Total of NAV CANADA towers (42)	324,775	195,616	60.2	129,159	39.8	46,200

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	905	153	16.9	752	83.0	512
Campbell River	2,350	659	28.0	1,691	71.9	994
Castlegar	895	283	31.6	612	68.3	303
Charlottetown	1,597	1,081	67.6	516	32.3	114
Churchill	783	681	86.9	102	13.0	99
Cranbrook	1,050	624	59.4	426	40.5	226
Deer Lake	1,695	1,325	78.1	370	21.8	64
Fort Nelson	2,135	453	21.2	1,682	78.7	76
Fort St. John	2,394	1,096	45.7	1,298	54.2	103
Grande Prairie	2,544	1,317	51.7	1,227	48.2	149
High Level	1,608	212	13.1	1,396	86.8	415
Îles-de-la-Madeleine	522	481	92.1	41	7.8	390
Inuvik/Mike Zubko	1,737	465	26.7	1,272	73.2	89
Iqaluit	2,032	1,429	70.3	603	29.6	89
Kamloops	2,687	1,064	39.5	1,623	60.4	606
Kenora	1,232	578	46.9	654	53.0	973
Kingston	1,790	681	38.0	1,109	61.9	383
Kuujuuaq	1,688	532	31.5	1,156	68.4	285
La Grande Rivière	911	623	68.3	288	31.6	156
La Ronge	1,765	950	53.8	815	46.1	1,081
Lethbridge	2,259	599	26.5	1,660	73.4	52
Lloydminster	872	266	30.5	606	69.4	35
Medicine Hat	2,698	441	16.3	2,257	83.6	964
Mont-Joli	827	653	78.9	174	21.0	85
Montréal/Mirabel International	1,036	826	79.7	210	20.2	2,137
Nanaimo	2,927	694	23.7	2,233	76.2	1,289
Norman Wells	1,639	233	14.2	1,406	85.7	378
North Bay	1,771	776	43.8	995	56.1	884
Ottawa/Gatineau	1,685	151	8.9	1,534	91.0	1,110
Peace River	921	355	38.5	566	61.4	17
Penticton	1,534	340	22.1	1,194	77.8	303
Port Hardy	1,148	509	44.3	639	55.6	478
Prince Albert	2,004	1,671	83.3	333	16.6	190
Prince Rupert	318	255	80.1	63	19.8	20
Rankin Inlet	1,420	982	69.1	438	30.8	475
Red Deer Regional	3,492	451	12.9	3,041	87.0	414
Rouyn-Noranda	1,195	903	75.5	292	24.4	253
Saint John	1,269	1,030	81.1	239	18.8	34
Sept-Îles	3,163	1,830	57.8	1,333	42.1	815
Sioux Lookout	2,561	1,988	77.6	573	22.3	1,460
Smithers	1,412	571	40.4	841	59.5	1,491
St. Catharines	2,094	146	6.9	1,948	93.0	397
Sudbury	3,580	1,556	43.4	2,024	56.5	571
Terrace	2,001	768	38.3	1,233	61.6	308
Thompson	3,462	1,726	49.8	1,736	50.1	578
Timmins	2,596	1,551	59.7	1,045	40.2	288
Val-d'Or	1,494	820	54.8	674	45.1	705
Victoria Harbour	3,561	0	0.0	3,561	100.0	1,347
Wabush	2,681	1,302	48.5	1,379	51.4	515
Whitecourt	1,016	75	7.3	941	92.6	124
Williams Lake	1,052	525	49.9	527	50.0	213
Total of all flight service stations (51)	92,008	38,680	42.0	53,328	58.0	25,037

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	4,443	506	211	3,062	664	0
Boundary Bay	9,474	50	50	8,942	432	0
Calgary International	21,755	13,882	6,576	350	946	1
Calgary/Springbank	5,629	83	236	4,717	593	0
Chicoutimi/St-Honoré	2,321	0	98	2,120	103	0
Edmonton City Centre	3,486	224	619	2,002	641	0
Edmonton International	13,229	7,642	5,039	360	188	0
Edmonton/Villeneuve	1,148	27	39	983	99	0
Fort McMurray	8,115	1,421	2,085	1,495	3,114	0
Fredericton International	4,373	68	1,130	3,012	163	0
Gander International	2,594	583	681	1,180	150	0
Halifax/Robert L. Stanfield International	7,400	4,006	2,835	214	345	0
Hamilton	2,408	1,339	525	492	52	0
Kelowna	5,236	1,546	1,750	1,752	188	0
Kitchener/Waterloo	5,396	296	297	4,511	287	5
Langley	2,802	0	19	2,277	495	11
London	4,743	472	1,003	3,037	230	1
Moncton/Greater Moncton International	4,052	810	1,214	1,927	100	1
Montréal/Pierre Elliott Trudeau International	19,751	12,673	6,332	462	284	0
Montréal/St-Hubert	8,389	154	911	6,990	330	4
Oshawa	4,338	41	51	4,142	104	0
Ottawa/Macdonald-Cartier International	10,905	5,579	2,558	2,471	297	0
Pitt Meadows	4,248	2	16	3,710	520	0
Prince George	2,618	265	1,324	634	395	0
Québec/Jean Lesage International	8,728	1,430	4,112	2,141	1,045	0
Regina International	3,620	1,565	746	1,149	159	1
Saskatoon/John G. Diefenbaker International	6,264	1,791	2,353	1,923	194	3
Sault Ste. Marie	2,769	80	1,116	1,544	29	0
St. John's International	4,043	1,838	1,578	110	515	2
St-Jean	8,951	0	0	5,046	32	3,873
Thunder Bay	5,326	475	3,293	1,337	221	0
Toronto/Billy Bishop Toronto City	8,658	12	5,537	2,310	799	0
Toronto/Buttonville Municipal	6,190	70	353	5,449	318	0
Toronto/Lester B. Pearson International	39,232	32,146	7,024	58	4	0
Vancouver Harbour	6,619	0	3,715	1,752	1,152	0
Vancouver International	30,990	14,003	12,020	3,843	1,124	0
Victoria International	10,022	1,231	2,393	6,148	250	0
Whitehorse International	2,420	413	603	1,066	338	0
Windsor	2,417	161	610	1,614	32	0
Winnipeg/James Armstrong Richardson International	10,582	5,533	4,101	629	319	0
Winnipeg/St. Andrews	4,895	0	930	3,726	239	0
Yellowknife	4,196	595	2,758	498	345	0
Total of NAV CANADA towers (42)	324,775	113,012	88,841	101,185	17,835	3,902

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	905	38	147	639	78	3
Campbell River	2,350	99	793	883	573	2
Castlegar	895	12	560	134	189	0
Charlottetown	1,597	487	522	548	40	0
Churchill	783	144	578	45	16	0
Cranbrook	1,050	39	581	335	95	0
Deer Lake	1,695	310	1,212	89	84	0
Fort Nelson	2,135	48	437	368	1,282	0
Fort St. John	2,394	341	876	471	706	0
Grande Prairie	2,544	243	966	788	547	0
High Level	1,608	8	555	249	796	0
Îles-de-la-Madeleine	522	29	438	39	16	0
Inuvik/Mike Zubko	1,737	146	792	343	456	0
Iqaluit	2,032	381	1,275	65	311	0
Kamloops	2,687	167	1,046	1,094	380	0
Kenora	1,232	203	448	346	235	0
Kingston	1,790	17	570	1,056	147	0
Kuujuuaq	1,688	188	935	101	464	0
La Grande Rivière	911	80	639	155	37	0
La Ronge	1,765	10	1,404	296	55	0
Lethbridge	2,259	118	858	1,148	135	0
Lloydminster	872	22	271	496	83	0
Medicine Hat	2,698	28	557	1,992	121	0
Mont-Joli	827	32	607	159	29	0
Montréal/Mirabel International	1,036	582	245	65	144	0
Nanaimo	2,927	74	634	2,142	77	0
Norman Wells	1,639	198	353	303	785	0
North Bay	1,771	104	723	549	395	0
Ottawa/Gatineau	1,685	6	94	1,407	175	3
Peace River	921	19	312	147	443	0
Penticton	1,534	38	503	625	368	0
Port Hardy	1,148	94	552	402	100	0
Prince Albert	2,004	14	1,663	293	34	0
Prince Rupert	318	65	171	27	55	0
Rankin Inlet	1,420	271	742	9	398	0
Red Deer Regional	3,492	60	394	2,951	87	0
Rouyn-Noranda	1,195	84	859	243	9	0
Saint John	1,269	144	849	247	29	0
Sept-Îles	3,163	59	1,914	465	725	0
Sioux Lookout	2,561	6	2,165	333	57	0
Smithers	1,412	14	691	231	470	6
St. Catharines	2,094	24	53	1,337	676	4
Sudbury	3,580	40	1,905	1,214	421	0
Terrace	2,001	45	759	102	1,095	0
Thompson	3,462	216	2,414	505	327	0
Timmins	2,596	8	2,255	243	90	0
Val-d'Or	1,494	170	668	506	150	0
Victoria Harbour	3,561	0	2,584	293	684	0
Wabush	2,681	38	1,287	289	1,067	0
Whitecourt	1,016	18	48	153	797	0
Williams Lake	1,052	20	581	270	181	0
Total of all flight service stations (51)	92,008	5,601	42,485	27,190	16,714	18

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	3,347	381	130	57	22	9	477	19	1	0
Boundary Bay	8,947	436	43	29	4	3	0	12	0	0
Calgary International	697	727	1,494	2,132	792	4,528	9,435	1,093	187	670
Calgary/Springbank	4,819	427	323	52	8	0	0	0	0	0
Chicoutimi/St-Honoré	1,988	237	96	0	0	0	0	0	0	0
Edmonton City Centre	2,261	398	508	254	57	6	0	2	0	0
Edmonton International	287	324	1,572	1,195	521	2,881	5,613	591	115	130
Edmonton/Villeneuve	1,005	45	76	19	3	0	0	0	0	0
Fort McMurray	3,704	1,225	782	487	104	961	788	62	2	0
Fredericton International	3,109	147	257	226	239	387	8	0	0	0
Gander International	1,169	29	34	596	280	286	105	60	6	29
Halifax/Robert L. Stanfield International	152	267	363	973	1,111	1,615	2,142	382	203	192
Hamilton	353	259	185	296	112	103	547	0	409	144
Kelowna	1,787	163	457	687	82	1,047	1,009	2	2	0
Kitchener/Waterloo	4,661	158	311	51	27	125	63	0	0	0
Langley	2,643	122	24	2	6	5	0	0	0	0
London	3,118	79	265	236	574	241	218	8	4	0
Moncton/Greater Moncton International	1,980	129	157	308	106	821	211	6	334	0
Montréal/Pierre Elliott Trudeau International	503	197	656	523	2,638	7,063	5,178	1,222	0	1,771
Montréal/St-Hubert	6,802	469	609	311	104	92	2	0	0	0
Oshawa	3,954	304	36	31	0	4	2	2	5	0
Ottawa/Macdonald-Cartier International	2,483	156	706	316	674	3,097	2,741	437	52	243
Pitt Meadows	3,954	227	63	0	1	0	3	0	0	0
Prince George	792	214	179	771	116	329	217	0	0	0
Québec/Jean Lesage International	2,782	431	930	520	1,153	2,643	194	3	0	72
Regina International	984	308	290	291	57	903	713	4	70	0
Saskatoon/John G. Diefenbaker International	1,741	478	565	917	289	1,260	962	7	43	2
Sault Ste. Marie	1,525	158	523	110	287	165	0	1	0	0
St. John's International	115	51	248	723	859	393	1,264	283	90	17
St-Jean	8,895	56	0	0	0	0	0	0	0	0
Thunder Bay	1,284	267	2,243	196	127	988	215	6	0	0
Toronto/Billy Bishop Toronto City	2,755	268	276	307	2	5,046	0	4	0	0
Toronto/Buttonville Municipal	5,447	394	255	71	11	11	1	0	0	0
Toronto/Lester B. Pearson International	37	208	437	2,061	4,049	7,797	15,730	4,562	260	4,091
Vancouver Harbour	1,005	5,103	499	4	8	0	0	0	0	0
Vancouver International	1,202	5,484	914	3,326	1,285	6,857	7,169	2,108	316	2,329
Victoria International	5,444	1,113	281	555	218	1,679	578	113	35	6
Whitehorse International	1,216	268	236	143	18	123	401	6	0	9
Windsor	1,514	116	69	103	378	169	62	0	6	0
Winnipeg/James Armstrong Richardson International	479	580	2,774	427	856	1,840	2,661	264	626	75
Winnipeg/St. Andrews	3,722	1,010	158	1	2	2	0	0	0	0
Yellowknife	499	561	819	404	311	984	512	104	0	2
Total of NAV CANADA towers (42)	105,161	23,974	20,843	19,711	17,491	54,463	59,221	11,363	2,766	9,782

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

	Maximum take-off weight in kilograms									
	2,000	2,001	4,001	5,671	9,001	18,001	35,001	70,001	90,001	136,001
	and under	to 4,000	to 5,670	to 9,000	to 18,000	to 35,000	to 70,000	to 90,000	to 136,000	and over
	number									
Brandon Municipal	612	68	163	42	12	2	0	6	0	0
Campbell River	1,378	112	101	587	134	21	17	0	0	0
Castlegar	158	100	58	303	26	244	6	0	0	0
Charlottetown	511	150	50	193	109	275	290	19	0	0
Churchill	46	52	89	8	107	451	26	2	0	2
Cranbrook	288	98	99	369	16	177	3	0	0	0
Deer Lake	127	51	28	503	626	70	281	9	0	0
Fort Nelson	1,240	122	384	170	125	92	2	0	0	0
Fort St. John	1,067	141	240	289	136	503	18	0	0	0
Grande Prairie	1,010	288	427	128	28	539	124	0	0	0
High Level	686	297	313	237	2	63	10	0	0	0
Îles-de-la-Madeleine	26	13	110	64	182	125	0	2	0	0
Inuvik/Mike Zubko	713	90	584	104	29	90	104	23	0	0
Iqaluit	179	150	511	268	183	417	231	33	14	46
Kamloops	1,183	191	241	338	18	629	87	0	0	0
Kenora	320	128	606	82	65	31	0	0	0	0
Kingston	1,153	36	70	510	13	8	0	0	0	0
Kuujuuaq	451	114	772	0	32	155	140	0	2	22
La Grande Rivière	65	165	249	2	31	325	74	0	0	0
La Ronge	117	202	660	226	272	288	0	0	0	0
Lethbridge	1,069	303	442	395	13	18	7	12	0	0
Lloydminster	524	93	83	160	4	8	0	0	0	0
Medicine Hat	2,009	96	214	309	12	46	4	8	0	0
Mont-Joli	104	78	162	130	78	267	8	0	0	0
Montréal/Mirabel International	125	129	14	106	5	123	75	0	273	186
Nanaimo	1,781	485	47	35	12	567	0	0	0	0
Norman Wells	640	248	444	60	4	45	198	0	0	0
North Bay	893	79	441	93	189	68	6	2	0	0
Ottawa/Gatineau	1,099	501	77	0	4	2	0	2	0	0
Peace River	430	64	350	61	8	0	8	0	0	0
Penticton	762	199	105	173	3	244	48	0	0	0
Port Hardy	137	465	56	182	296	12	0	0	0	0
Prince Albert	198	95	174	566	410	557	4	0	0	0
Prince Rupert	44	23	36	33	42	135	5	0	0	0
Rankin Inlet	117	305	133	18	92	580	175	0	0	0
Red Deer Regional	2,865	153	219	173	4	71	5	2	0	0
Rouyn-Noranda	246	6	297	78	319	181	66	2	0	0
Saint John	192	164	135	231	333	212	2	0	0	0
Sept-Îles	821	330	533	311	721	435	10	2	0	0
Sioux Lookout	114	297	1,321	689	140	0	0	0	0	0
Smithers	610	190	70	296	36	203	7	0	0	0
St. Catharines	1,900	118	42	22	3	7	0	2	0	0
Sudbury	1,110	409	1,104	298	399	252	2	6	0	0
Terrace	723	424	174	82	235	363	0	0	0	0
Thompson	395	499	1,516	108	240	698	0	6	0	0
Timmins	236	215	1,267	51	568	259	0	0	0	0
Val-d'Or	544	85	278	105	226	110	140	6	0	0
Victoria Harbour	565	2,542	450	2	2	0	0	0	0	0
Wabush	888	443	216	394	472	256	12	0	0	0
Whitecourt	860	40	80	16	16	4	0	0	0	0
Williams Lake	390	47	62	483	15	54	1	0	0	0
Total of all flight service stations (51)	33,721	11,693	16,297	10,083	7,047	10,282	2,196	144	289	256

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	4,320	487	2,743	79	920	60	31
Transborder	123	8	13	2	97	0	3
Other international	0	0	0	0	0	0	0
Total	4,443	495	2,756	81	1,017	60	34
Boundary Bay							
Domestic	9,304	4	1,358	5,873	2,016	9	44
Transborder	170	0	8	32	125	0	5
Other international	0	0	0	0	0	0	0
Total	9,474	4	1,366	5,905	2,141	9	49
Calgary International							
Domestic	17,462	14,594	1,116	403	1,034	122	193
Transborder	3,699	3,356	39	0	294	0	10
Other international	594	581	3	0	5	0	5
Total	21,755	18,531	1,158	403	1,333	122	208
Calgary/Springbank							
Domestic	5,480	21	601	2,922	1,825	35	76
Transborder	149	0	14	2	130	0	3
Other international	0	0	0	0	0	0	0
Total	5,629	21	615	2,924	1,955	35	79
Chicoutimi/St-Honoré							
Domestic	2,317	1,646	158	228	281	4	0
Transborder	2	0	0	0	2	0	0
Other international	2	0	1	1	0	0	0
Total	2,321	1,646	159	229	283	4	0
Edmonton City Centre							
Domestic	3,462	297	456	1,201	983	517	8
Transborder	24	4	2	0	18	0	0
Other international	0	0	0	0	0	0	0
Total	3,486	301	458	1,201	1,001	517	8
Edmonton International							
Domestic	11,883	10,396	388	126	760	192	21
Transborder	1,246	1,175	5	9	57	0	0
Other international	100	93	0	1	6	0	0
Total	13,229	11,664	393	136	823	192	21
Edmonton/Villeneuve							
Domestic	1,145	12	97	600	416	0	20
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	1,148	12	97	600	419	0	20
Fort McMurray							
Domestic	8,037	2,196	4,425	252	1,137	27	0
Transborder	78	72	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	8,115	2,268	4,425	252	1,143	27	0
Fredericton International							
Domestic	4,313	890	3,083	15	274	29	22
Transborder	59	5	1	0	52	0	1
Other international	1	1	0	0	0	0	0
Total	4,373	896	3,084	15	326	29	23
Gander International							
Domestic	2,193	1,821	77	0	173	45	77
Transborder	189	51	0	8	96	0	34
Other international	212	64	1	11	100	0	36
Total	2,594	1,936	78	19	369	45	147

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	6,271	5,496	447	8	231	33	56
Transborder	924	806	4	1	106	0	7
Other international	205	187	1	4	3	0	10
Total	7,400	6,489	452	13	340	33	73
Hamilton							
Domestic	1,853	1,222	89	139	184	213	6
Transborder	522	393	20	0	103	6	0
Other international	33	23	3	2	5	0	0
Total	2,408	1,638	112	141	292	219	6
Kelowna							
Domestic	4,941	3,245	281	472	821	80	42
Transborder	293	197	14	3	79	0	0
Other international	2	2	0	0	0	0	0
Total	5,236	3,444	295	475	900	80	42
Kitchener/Waterloo							
Domestic	5,107	294	3,635	77	1,075	20	6
Transborder	281	115	40	0	122	2	2
Other international	8	0	1	0	7	0	0
Total	5,396	409	3,676	77	1,204	22	8
Langley							
Domestic	2,777	16	184	1,467	1,017	80	13
Transborder	24	0	0	1	23	0	0
Other international	1	0	0	0	1	0	0
Total	2,802	16	184	1,468	1,041	80	13
London							
Domestic	4,494	1,028	406	2,244	726	74	16
Transborder	249	167	8	0	70	3	1
Other international	0	0	0	0	0	0	0
Total	4,743	1,195	414	2,244	796	77	17
Moncton/Greater Moncton International							
Domestic	3,955	1,770	1,817	14	200	144	10
Transborder	87	75	0	0	12	0	0
Other international	10	10	0	0	0	0	0
Total	4,052	1,855	1,817	14	212	144	10
Montréal/Pierre Elliott Trudeau International							
Domestic	11,188	9,467	877	64	633	144	3
Transborder	6,197	5,692	137	9	359	0	0
Other international	2,366	2,306	39	5	16	0	0
Total	19,751	17,465	1,053	78	1,008	144	3
Montréal/St-Hubert							
Domestic	8,191	3,817	789	2,220	1,170	137	58
Transborder	196	4	13	2	176	1	0
Other international	2	0	0	0	1	1	0
Total	8,389	3,821	802	2,222	1,347	139	58
Oshawa							
Domestic	4,259	58	83	3,019	1,014	61	24
Transborder	66	0	2	0	64	0	0
Other international	13	0	0	1	12	0	0
Total	4,338	58	85	3,020	1,090	61	24
Ottawa/Macdonald-Cartier International							
Domestic	8,989	5,774	256	2,227	299	291	142
Transborder	1,756	1,632	17	2	87	11	7
Other international	160	150	1	0	2	0	7
Total	10,905	7,556	274	2,229	388	302	156

Table 7-1 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Pitt Meadows							
Domestic	4,201	8	1,650	587	1,934	13	9
Transborder	46	0	2	0	44	0	0
Other international	1	0	0	0	1	0	0
Total	4,248	8	1,652	587	1,979	13	9
Prince George							
Domestic	2,596	1,364	617	46	516	47	6
Transborder	21	0	0	0	21	0	0
Other international	1	0	0	1	0	0	0
Total	2,618	1,364	617	47	537	47	6
Québec/Jean Lesage International							
Domestic	7,758	3,398	2,429	570	956	381	24
Transborder	873	753	10	6	98	0	6
Other international	97	86	0	2	3	0	6
Total	8,728	4,237	2,439	578	1,057	381	36
Regina International							
Domestic	3,235	1,842	744	63	423	110	53
Transborder	385	309	4	3	66	0	3
Other international	0	0	0	0	0	0	0
Total	3,620	2,151	748	66	489	110	56
Saskatoon/John G. Diefenbaker International							
Domestic	5,910	3,339	1,101	369	707	259	135
Transborder	354	271	8	0	71	2	2
Other international	0	0	0	0	0	0	0
Total	6,264	3,610	1,109	369	778	261	137
Sault Ste. Marie							
Domestic	2,713	1,034	47	1,372	138	79	43
Transborder	51	6	0	2	41	1	1
Other international	5	0	1	0	3	1	0
Total	2,769	1,040	48	1,374	182	81	44
St. John's International							
Domestic	3,601	2,766	463	4	160	169	39
Transborder	212	93	1	3	40	0	75
Other international	230	110	6	7	31	2	74
Total	4,043	2,969	470	14	231	171	188
St-Jean							
Domestic	8,948	45	302	106	4,387	2	4,106
Transborder	3	0	1	1	1	0	0
Other international	0	0	0	0	0	0	0
Total	8,951	45	303	107	4,388	2	4,106
Thunder Bay							
Domestic	5,206	3,400	239	1,029	347	140	51
Transborder	120	66	1	1	52	0	0
Other international	0	0	0	0	0	0	0
Total	5,326	3,466	240	1,030	399	140	51
Toronto/Billy Bishop Toronto City							
Domestic	6,952	3,674	1,128	1,637	496	10	7
Transborder	1,706	1,577	16	6	106	0	1
Other international	0	0	0	0	0	0	0
Total	8,658	5,251	1,144	1,643	602	10	8
Toronto/Buttonville Municipal							
Domestic	5,985	146	2,932	58	2,725	120	4
Transborder	202	20	32	0	148	2	0
Other international	3	1	0	0	2	0	0
Total	6,190	167	2,964	58	2,875	122	4

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	18,127	17,375	371	13	346	17	5
Transborder	15,678	14,767	236	12	663	0	0
Other international	5,427	5,135	269	2	21	0	0
Total	39,232	37,277	876	27	1,030	17	5
Vancouver Harbour							
Domestic	6,612	5,809	645	1	148	1	8
Transborder	6	6	0	0	0	0	0
Other international	1	1	0	0	0	0	0
Total	6,619	5,816	645	1	148	1	8
Vancouver International							
Domestic	23,618	19,808	2,718	80	804	189	19
Transborder	5,490	5,023	38	24	401	0	4
Other international	1,882	1,872	3	2	2	0	3
Total	30,990	26,703	2,759	106	1,207	189	26
Victoria International							
Domestic	9,272	2,745	4,041	314	2,027	21	124
Transborder	748	414	27	3	303	0	1
Other international	2	1	0	0	1	0	0
Total	10,022	3,160	4,068	317	2,331	21	125
Whitehorse International							
Domestic	2,250	864	759	36	517	51	23
Transborder	158	5	9	3	139	0	2
Other international	12	10	1	0	1	0	0
Total	2,420	879	769	39	657	51	25
Windsor							
Domestic	2,310	637	1,275	18	370	6	4
Transborder	105	22	11	0	62	0	10
Other international	2	0	1	0	1	0	0
Total	2,417	659	1,287	18	433	6	14
Winnipeg/James Armstrong Richardson International							
Domestic	9,450	7,983	364	53	363	415	272
Transborder	1,130	991	13	8	114	0	4
Other international	2	1	0	0	0	0	1
Total	10,582	8,975	377	61	477	415	277
Winnipeg/St. Andrews							
Domestic	4,879	742	2,926	712	493	0	6
Transborder	16	0	3	2	11	0	0
Other international	0	0	0	0	0	0	0
Total	4,895	742	2,929	714	504	0	6
Yellowknife							
Domestic	4,182	3,287	315	85	225	187	83
Transborder	14	8	0	1	4	0	1
Other international	0	0	0	0	0	0	0
Total	4,196	3,295	315	86	229	187	84
Total of NAV CANADA towers (42)							
Domestic	269,746	144,817	48,432	30,803	35,271	4,534	5,889
Transborder	43,655	38,083	749	146	4,466	28	183
Other international	11,374	10,634	331	39	224	4	142
Total	324,775	193,534	49,512	30,988	39,961	4,566	6,214

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	873	96	185	64	488	26	14
Transborder	32	2	2	0	28	0	0
Other international	0	0	0	0	0	0	0
Total	905	98	187	64	516	26	14
Campbell River							
Domestic	2,205	663	386	481	654	20	1
Transborder	145	16	0	0	129	0	0
Other international	0	0	0	0	0	0	0
Total	2,350	679	386	481	783	20	1
Castlegar							
Domestic	886	299	424	43	112	8	0
Transborder	9	0	0	0	9	0	0
Other international	0	0	0	0	0	0	0
Total	895	299	424	43	121	8	0
Charlottetown							
Domestic	1,466	834	55	6	533	6	32
Transborder	120	77	4	0	37	0	2
Other international	11	0	0	0	11	0	0
Total	1,597	911	59	6	581	6	34
Churchill							
Domestic	778	657	67	2	39	8	5
Transborder	3	1	0	0	2	0	0
Other international	2	2	0	0	0	0	0
Total	783	660	67	2	41	8	5
Cranbrook							
Domestic	1,026	571	141	18	270	3	23
Transborder	24	0	2	0	21	0	1
Other international	0	0	0	0	0	0	0
Total	1,050	571	143	18	291	3	24
Deer Lake							
Domestic	1,691	1,459	67	17	97	33	18
Transborder	3	3	0	0	0	0	0
Other international	1	0	0	0	1	0	0
Total	1,695	1,462	67	17	98	33	18
Fort Nelson							
Domestic	2,134	411	1,428	9	241	30	15
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	2,135	411	1,428	9	242	30	15
Fort St. John							
Domestic	2,392	887	966	42	375	12	110
Transborder	2	2	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	2,394	889	966	42	375	12	110
Grande Prairie							
Domestic	2,541	1,128	885	21	497	8	2
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	2,544	1,128	885	21	500	8	2
High Level							
Domestic	1,608	457	1,053	41	43	14	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,608	457	1,053	41	43	14	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	515	390	29	0	30	50	16
Transborder	4	0	0	0	4	0	0
Other international	3	2	0	0	1	0	0
Total	522	392	29	0	35	50	16
Inuvik/Mike Zubko							
Domestic	1,733	1,133	368	0	42	36	154
Transborder	4	2	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,737	1,135	368	0	44	36	154
Iqaluit							
Domestic	1,914	1,395	228	104	59	95	33
Transborder	19	8	0	1	5	0	5
Other international	99	44	2	10	37	0	6
Total	2,032	1,447	230	115	101	95	44
Kamloops							
Domestic	2,659	922	796	360	509	41	31
Transborder	28	2	2	0	24	0	0
Other international	0	0	0	0	0	0	0
Total	2,687	924	798	360	533	41	31
Kenora							
Domestic	1,066	372	257	132	215	29	61
Transborder	165	36	2	0	127	0	0
Other international	1	0	1	0	0	0	0
Total	1,232	408	260	132	342	29	61
Kingston							
Domestic	1,750	538	491	253	460	8	0
Transborder	39	2	2	1	34	0	0
Other international	1	0	0	0	1	0	0
Total	1,790	540	493	254	495	8	0
Kuujuuaq							
Domestic	1,687	970	406	218	71	22	0
Transborder	0	0	0	0	0	0	0
Other international	1	0	0	1	0	0	0
Total	1,688	970	406	219	71	22	0
La Grande Rivière							
Domestic	906	476	271	17	76	64	2
Transborder	5	0	0	3	2	0	0
Other international	0	0	0	0	0	0	0
Total	911	476	271	20	78	64	2
La Ronge							
Domestic	1,752	1,286	83	2	86	293	2
Transborder	13	2	0	0	8	3	0
Other international	0	0	0	0	0	0	0
Total	1,765	1,288	83	2	94	296	2
Lethbridge							
Domestic	2,149	415	171	926	562	15	60
Transborder	110	7	3	2	98	0	0
Other international	0	0	0	0	0	0	0
Total	2,259	422	174	928	660	15	60
Lloydminster							
Domestic	870	202	222	25	399	16	6
Transborder	2	0	1	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	872	202	223	25	400	16	6

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	2,682	538	567	1,099	382	9	87
Transborder	16	0	1	0	14	1	0
Other international	0	0	0	0	0	0	0
Total	2,698	538	568	1,099	396	10	87
Mont-Joli							
Domestic	822	476	179	12	119	34	2
Transborder	5	1	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	827	477	179	12	123	34	2
Montréal/Mirabel International							
Domestic	809	526	53	8	210	4	8
Transborder	226	201	0	2	23	0	0
Other international	1	0	0	0	1	0	0
Total	1,036	727	53	10	234	4	8
Nanaimo							
Domestic	2,797	532	1,049	76	1,069	24	47
Transborder	125	12	4	1	108	0	0
Other international	5	0	2	0	3	0	0
Total	2,927	544	1,055	77	1,180	24	47
Norman Wells							
Domestic	1,638	758	811	7	51	7	4
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,639	758	811	7	52	7	4
North Bay							
Domestic	1,707	686	296	205	461	27	32
Transborder	64	28	0	0	36	0	0
Other international	0	0	0	0	0	0	0
Total	1,771	714	296	205	497	27	32
Ottawa/Gatineau							
Domestic	1,682	114	471	128	943	19	7
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	1,685	114	471	128	946	19	7
Peace River							
Domestic	920	321	417	32	139	11	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	921	321	417	32	140	11	0
Penticton							
Domestic	1,511	371	356	92	607	37	48
Transborder	23	0	1	0	22	0	0
Other international	0	0	0	0	0	0	0
Total	1,534	371	357	92	629	37	48
Port Hardy							
Domestic	1,101	895	42	20	84	48	12
Transborder	47	8	0	0	39	0	0
Other international	0	0	0	0	0	0	0
Total	1,148	903	42	20	123	48	12
Prince Albert							
Domestic	2,003	1,596	63	12	173	155	4
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	2,004	1,596	63	12	174	155	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							
Prince Rupert							
Domestic	299	204	28	0	51	12	4
Transborder	19	0	0	0	19	0	0
Other international	0	0	0	0	0	0	0
Total	318	204	28	0	70	12	4
Rankin Inlet							
Domestic	1,407	962	399	15	23	8	0
Transborder	12	0	11	0	1	0	0
Other international	1	1	0	0	0	0	0
Total	1,420	963	410	15	24	8	0
Red Deer Regional							
Domestic	3,480	329	2,050	125	914	10	52
Transborder	12	1	1	0	10	0	0
Other international	0	0	0	0	0	0	0
Total	3,492	330	2,051	125	924	10	52
Rouyn-Noranda							
Domestic	1,192	666	198	106	204	16	2
Transborder	1	1	0	0	0	0	0
Other international	2	0	0	1	1	0	0
Total	1,195	667	198	107	205	16	2
Saint John							
Domestic	1,185	768	89	21	298	4	5
Transborder	80	1	2	0	77	0	0
Other international	4	0	0	0	4	0	0
Total	1,269	769	91	21	379	4	5
Sept-Îles							
Domestic	3,151	1,436	1,184	49	200	278	4
Transborder	11	4	0	0	7	0	0
Other international	1	0	0	0	1	0	0
Total	3,163	1,440	1,184	49	208	278	4
Sioux Lookout							
Domestic	2,541	2,107	112	210	70	42	0
Transborder	20	0	0	1	19	0	0
Other international	0	0	0	0	0	0	0
Total	2,561	2,107	112	211	89	42	0
Smithers							
Domestic	1,407	638	567	19	180	2	1
Transborder	5	0	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	1,412	638	567	19	185	2	1
St. Catharines							
Domestic	2,031	13	1,360	34	611	8	5
Transborder	63	12	3	0	48	0	0
Other international	0	0	0	0	0	0	0
Total	2,094	25	1,363	34	659	8	5
Sudbury							
Domestic	3,552	1,664	431	882	334	225	16
Transborder	27	4	1	1	21	0	0
Other international	1	0	0	0	1	0	0
Total	3,580	1,668	432	883	356	225	16
Terrace							
Domestic	1,998	766	1,063	23	128	18	0
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	2,001	766	1,063	23	131	18	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						
Thompson							
Domestic	3,454	2,180	644	22	128	474	6
Transborder	8	2	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	3,462	2,182	644	22	134	474	6
Timmins							
Domestic	2,589	2,069	128	24	220	146	2
Transborder	4	0	0	0	4	0	0
Other international	3	0	0	0	2	1	0
Total	2,596	2,069	128	24	226	147	2
Val-d'Or							
Domestic	1,493	730	364	57	279	56	7
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,494	730	364	57	280	56	7
Victoria Harbour							
Domestic	3,155	2,977	60	0	25	90	3
Transborder	406	405	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	3,561	3,382	60	0	26	90	3
Wabush							
Domestic	2,677	1,252	1,008	169	157	91	0
Transborder	4	0	1	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	2,681	1,252	1,009	169	160	91	0
Whitecourt							
Domestic	1,015	37	619	130	211	0	18
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,016	38	619	130	211	0	18
Williams Lake							
Domestic	1,039	490	279	46	219	4	1
Transborder	13	0	0	0	13	0	0
Other international	0	0	0	0	0	0	0
Total	1,052	490	279	46	232	4	1
Total of all flight service stations (51)							
Domestic	89,938	41,662	23,866	6,404	14,348	2,696	962
Transborder	1,933	841	43	12	1,025	4	8
Other international	137	49	5	12	64	1	6
Total	92,008	42,552	23,914	6,428	15,437	2,701	976

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	15	11,877	9	9	133	9	788
Boundary Bay	4	21,062	4	9	102	4	947
Calgary International	3	21,865	3	19	62	11	846
Calgary/Springbank	13	12,525	31	15	83	16	686
Chicoutimi/St-Honoré	31	6,069	30	11	74	9	397
Edmonton City Centre	39	4,048	19	15	34	16	233
Edmonton International	10	13,551	31	16	45	3	545
Edmonton/Villeneuve	35	4,450	16	17	61	16	290
Fort McMurray	21	8,783	2	17	56	3	428
Fredericton International	20	10,223	7	20	57	13	587
Gander International	37	4,340	9	16	58	9	355
Halifax/Robert L. Stanfield International	26	7,726	18	16	30	31	310
Hamilton	42	3,336	25	11	26	11	213
Kelowna	25	8,054	5	10	62	23	385
Kitchener/Waterloo	12	13,200	16	16	90	11	900
Langley	32	5,220	11	10	45	25	254
London	23	8,603	16	9	68	24	499
Moncton/Greater Moncton International	30	6,220	12	14	62	5	400
Montréal/Pierre Elliott Trudeau International	5	19,831	3	18	61	3	713
Montréal/St-Hubert	6	19,039	25	21	149	26	1,164
Oshawa	27	7,032	12	13	88	12	656
Ottawa/Macdonald-Cartier International	9	14,759	25	18	83	25	830
Pitt Meadows	18	10,874	22	17	78	16	487
Prince George	41	3,404	29	17	77	29	192
Québec/Jean Lesage International	16	11,756	25	9	73	25	614
Regina International	33	5,087	26	12	43	31	268
Saskatoon/John G. Diefenbaker International	22	8,738	14	13	55	10	470
Sault Ste. Marie	28	6,961	12	17	81	25	500
St. John's International	38	4,325	10	18	25	16	193
St-Jean	19	10,637	30	19	77	31	783
Thunder Bay	24	8,216	31	13	80	31	520
Toronto/Billy Bishop Toronto City	14	12,244	28	17	81	12	556
Toronto/Buttonville Municipal	8	15,268	30	11	147	30	1,068
Toronto/Lester B. Pearson International	1	39,346	25	18	103	26	1,384
Vancouver Harbour	29	6,623	17	17	33	25	289
Vancouver International	2	31,004	19	17	88	26	1,104
Victoria International	7	15,708	16	10	80	18	753
Whitehorse International	40	3,564	26	13	42	17	203
Windsor	36	4,415	16	10	50	12	260
Winnipeg/James Armstrong Richardson International	17	11,500	2	9	53	19	472
Winnipeg/St. Andrews	11	13,333	6	13	99	10	870
Yellowknife	34	4,722	3	9	30	3	215

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	27	2,027	19	14	32	19	198
Campbell River	12	3,278	7	19	38	7	224
Castlegar	46	935	28	10	21	28	88
Charlottetown	30	1,819	21	14	22	21	130
Churchill	49	829	7	10	14	25	44
Cranbrook	43	1,174	29	8	20	31	76
Deer Lake	31	1,793	29	13	21	29	106
Fort Nelson	21	2,247	31	11	22	17	122
Fort St. John	15	2,886	10	8	37	18	151
Grande Prairie	6	4,028	10	8	59	17	227
High Level	29	1,844	21	11	49	21	171
Îles-de-la-Madeleine	50	546	17	13	7	16	26
Inuvik/Mike Zubko	32	1,767	4	12	12	17	93
Iqaluit	25	2,070	8	14	18	23	113
Kamloops	11	3,415	30	11	30	30	168
Kenora	38	1,536	2	14	52	2	194
Kingston	17	2,796	2	12	31	31	170
Kuujuuaq	33	1,766	3	16	16	3	87
La Grande Rivière	47	929	22	11	12	1	55
La Ronge	23	2,123	4	12	32	4	155
Lethbridge	13	3,260	20	10	69	20	383
Lloydminster	41	1,368	20	9	31	18	89
Medicine Hat	2	5,308	12	10	65	9	390
Mont-Joli	48	853	16	18	10	9	55
Montréal/Mirabel International	14	3,124	3	14	46	4	192
Nanaimo	4	4,325	19	12	43	19	247
Norman Wells	34	1,741	24	17	15	5	84
North Bay	16	2,885	17	10	40	4	177
Ottawa/Gatineau	5	4,057	31	10	56	31	281
Peace River	45	951	4	16	12	29	66
Penticton	22	2,158	25	16	30	25	127
Port Hardy	44	1,158	12	11	10	25	58
Prince Albert	24	2,086	8	18	17	17	107
Prince Rupert	51	331	5	15	13	9	26
Rankin Inlet	39	1,464	23	14	13	16	83
Red Deer Regional	1	8,088	10	9	105	10	592
Rouyn-Noranda	40	1,445	25	7	21	2	90
Saint John	35	1,675	22	10	25	22	115
Sept-Îles	10	3,537	8	15	43	8	192
Sioux Lookout	20	2,583	15	8	15	24	114
Smithers	36	1,630	2	8	31	2	108
St. Catharines	7	3,700	1	10	36	31	227
Sudbury	3	5,218	18	16	58	18	375
Terrace	26	2,065	3	14	20	17	91
Thompson	8	3,659	14	13	31	18	220
Timmins	18	2,726	1	10	18	25	126
Val-d'Or	28	1,876	15	19	22	15	109
Victoria Harbour	9	3,577	25	18	22	25	156
Wabush	19	2,681	2	17	27	3	161
Whitecourt	37	1,556	18	16	39	18	124
Williams Lake	42	1,204	16	19	21	3	64

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	4,443	19	15	29	9	214
Boundary Bay	9	9,474	2	16	47	3	406
Calgary International	3	21,755	3	19	62	11	834
Calgary/Springbank	19	5,629	2	19	44	7	314
Chicoutimi/St-Honoré	41	2,321	13	12	19	25	124
Edmonton City Centre	33	3,486	16	14	19	16	195
Edmonton International	5	13,229	2	8	44	3	533
Edmonton/Villeneuve	42	1,148	18	9	35	16	82
Fort McMurray	14	8,115	3	8	36	3	390
Fredericton International	26	4,373	18	11	24	25	257
Gander International	37	2,594	11	9	16	19	136
Halifax/Robert L. Stanfield International	15	7,400	3	17	23	31	302
Hamilton	40	2,408	6	11	14	11	121
Kelowna	22	5,236	23	7	25	23	215
Kitchener/Waterloo	20	5,396	13	13	30	11	340
Langley	34	2,802	19	11	24	19	133
London	24	4,743	16	9	28	11	251
Moncton/Greater Moncton International	30	4,052	4	12	20	31	198
Montréal/Pierre Elliott Trudeau International	4	19,751	3	18	61	3	711
Montréal/St-Hubert	13	8,389	25	17	45	25	512
Oshawa	27	4,338	13	15	57	13	423
Ottawa/Macdonald-Cartier International	6	10,905	22	15	40	25	486
Pitt Meadows	28	4,248	21	16	36	21	258
Prince George	36	2,618	29	17	77	29	158
Québec/Jean Lesage International	11	8,728	31	16	37	25	400
Regina International	32	3,620	31	14	18	31	182
Saskatoon/John G. Diefenbaker International	17	6,264	5	12	32	10	286
Sault Ste. Marie	35	2,769	2	17	23	2	156
St. John's International	31	4,043	18	13	17	17	164
St-Jean	10	8,951	30	19	75	31	741
Thunder Bay	21	5,326	3	15	27	11	246
Toronto/Billy Bishop Toronto City	12	8,658	12	16	42	12	414
Toronto/Buttonville Municipal	18	6,190	13	10	44	25	384
Toronto/Lester B. Pearson International	1	39,232	25	18	103	26	1,380
Vancouver Harbour	16	6,619	17	17	33	25	289
Vancouver International	2	30,990	19	17	88	26	1,104
Victoria International	8	10,022	26	13	44	18	409
Whitehorse International	38	2,420	5	10	19	17	121
Windsor	39	2,417	9	15	19	12	116
Winnipeg/James Armstrong Richardson International	7	10,582	2	9	33	19	430
Winnipeg/St. Andrews	23	4,895	8	11	30	17	243
Yellowknife	29	4,196	2	16	21	3	175

Table 9-2
Itinerant aircraft movements, peak hour and peak day — NAV CANADA flight service stations

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	45	905	17	12	16	17	58
Campbell River	14	2,350	25	12	17	28	111
Castlegar	46	895	28	10	21	28	82
Charlottetown	30	1,597	21	14	20	21	122
Churchill	49	783	11	13	7	15	35
Cranbrook	40	1,050	29	20	10	29	51
Deer Lake	25	1,695	29	13	11	29	84
Fort Nelson	16	2,135	31	11	22	17	122
Fort St. John	13	2,394	30	8	20	30	136
Grande Prairie	12	2,544	18	13	18	24	135
High Level	29	1,608	3	19	18	10	103
Îles-de-la-Madeleine	50	522	17	13	7	16	24
Inuvik/Mike Zubko	24	1,737	4	12	12	17	91
Iqaluit	18	2,032	8	14	18	23	113
Kamloops	8	2,687	1	11	18	27	131
Kenora	36	1,232	3	18	16	2	94
Kingston	21	1,790	6	11	16	22	88
Kuujuuaq	26	1,688	3	16	14	3	83
La Grande Rivière	44	911	22	11	12	1	53
La Ronge	23	1,765	17	8	13	25	83
Lethbridge	15	2,259	20	9	31	20	155
Lloydminster	47	872	18	17	12	18	51
Medicine Hat	7	2,698	22	18	31	22	276
Mont-Joli	48	827	16	18	10	9	55
Montréal/Mirabel International	41	1,036	4	8	7	11	54
Nanaimo	6	2,927	6	10	28	6	147
Norman Wells	28	1,639	5	12	14	5	84
North Bay	22	1,771	9	14	17	12	114
Ottawa/Gatineau	27	1,685	20	10	22	21	132
Peace River	43	921	26	18	10	29	62
Penticton	31	1,534	28	17	27	28	93
Port Hardy	38	1,148	12	11	10	25	58
Prince Albert	19	2,004	26	8	17	17	105
Prince Rupert	51	318	2	16	8	9	26
Rankin Inlet	33	1,420	23	14	13	16	75
Red Deer Regional	3	3,492	9	8	23	9	189
Rouyn-Noranda	37	1,195	18	17	9	4	64
Saint John	35	1,269	22	11	9	22	63
Sept-Îles	5	3,163	5	11	18	8	150
Sioux Lookout	11	2,561	15	8	15	24	114
Smithers	34	1,412	17	10	12	2	74
St. Catharines	17	2,094	13	12	18	13	147
Sudbury	1	3,580	31	9	22	12	177
Terrace	20	2,001	4	10	12	17	91
Thompson	4	3,462	18	15	23	18	197
Timmins	10	2,596	8	14	14	2	113
Val-d'Or	32	1,494	5	10	13	3	85
Victoria Harbour	2	3,561	25	18	22	25	156
Wabush	9	2,681	2	17	27	3	161
Whitecourt	42	1,016	2	11	12	9	58
Williams Lake	39	1,052	9	17	10	22	53

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	6	7,434	9	9	114	9	574
Boundary Bay	1	11,588	7	11	76	4	638
Calgary International	39	110	4	18	8	11	12
Calgary/Springbank	7	6,896	3	13	58	16	408
Chicoutimi/St-Honoré	14	3,748	30	11	64	9	288
Edmonton City Centre	33	562	3	19	28	3	62
Edmonton International	36	322	18	15	10	10	26
Edmonton/Villeneuve	16	3,302	16	17	52	30	228
Fort McMurray	32	668	2	17	38	2	72
Fredericton International	9	5,850	7	20	50	28	388
Gander International	25	1,746	9	16	50	9	222
Halifax/Robert L. Stanfield International	35	326	22	23	14	18	30
Hamilton	29	928	25	21	20	11	92
Kelowna	19	2,818	5	10	46	23	170
Kitchener/Waterloo	5	7,804	13	17	72	11	560
Langley	22	2,418	11	10	36	25	152
London	12	3,860	23	9	48	24	274
Moncton/Greater Moncton International	23	2,168	12	14	46	6	240
Montréal/Pierre Elliott Trudeau International	40	80	20	16	6	19	8
Montréal/St-Hubert	2	10,650	25	21	122	1	846
Oshawa	20	2,694	11	11	46	11	346
Ottawa/Macdonald-Cartier International	13	3,854	27	15	60	25	344
Pitt Meadows	8	6,626	22	17	62	16	342
Prince George	31	786	8	8	20	8	64
Québec/Jean Lesage International	17	3,028	24	21	52	25	214
Regina International	27	1,467	14	16	30	24	104
Saskatoon/John G. Diefenbaker International	21	2,474	8	9	42	10	184
Sault Ste. Marie	11	4,192	16	11	68	25	344
St. John's International	37	282	26	11	20	16	34
St-Jean	26	1,686	8	10	34	11	122
Thunder Bay	18	2,890	31	13	62	31	298
Toronto/Billy Bishop Toronto City	15	3,586	28	17	44	6	272
Toronto/Buttonville Municipal	3	9,078	30	11	120	30	712
Toronto/Lester B. Pearson International	38	114	2	11	8	8	16
Vancouver Harbour	42	4	5	11	2	5	4
Vancouver International	41	14	1	17	2	1	4
Victoria International	10	5,686	16	10	50	9	356
Whitehorse International	28	1,144	26	13	36	10	88
Windsor	24	1,998	16	10	42	5	152
Winnipeg/James Armstrong Richardson International	30	918	2	9	20	29	64
Winnipeg/St. Andrews	4	8,438	6	10	80	10	668
Yellowknife	34	526	3	14	14	3	40

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	9	1,122	27	15	32	19	166
Campbell River	13	928	7	19	28	7	126
Castlegar	40	40	9	9	4	21	6
Charlottetown	26	222	16	23	14	2	24
Churchill	38	46	7	10	10	25	12
Cranbrook	31	124	29	8	16	31	26
Deer Lake	34	98	14	9	12	14	24
Fort Nelson	32	112	11	16	10	27	32
Fort St. John	18	492	10	8	26	18	58
Grande Prairie	7	1,484	10	8	48	9	118
High Level	25	236	21	11	44	21	102
Îles-de-la-Madeleine	45	24	8	9	2	26	4
Inuvik/Mike Zubko	42	30	12	16	4	12	6
Iqaluit	41	38	8	17	8	8	8
Kamloops	14	728	31	18	22	29	62
Kenora	23	304	2	14	42	2	100
Kingston	11	1,006	15	22	26	31	86
Kuujuuaq	36	78	14	11	8	30	12
La Grande Rivière	47	18	1	20	2	29	6
La Ronge	22	358	4	12	26	4	82
Lethbridge	12	1,001	19	10	48	20	228
Lloydminster	17	496	20	9	28	18	38
Medicine Hat	2	2,610	12	10	52	5	298
Mont-Joli	44	26	30	16	10	30	14
Montréal/Mirabel International	4	2,088	3	14	46	22	146
Nanaimo	8	1,398	8	15	24	19	114
Norman Wells	33	102	1	15	6	1	12
North Bay	10	1,114	15	10	32	4	110
Ottawa/Gatineau	3	2,372	31	10	50	31	210
Peace River	43	30	4	16	6	10	8
Penticton	15	624	25	16	24	25	62
Port Hardy	50	10	5	16	6	5	6
Prince Albert	35	82	8	18	8	8	12
Prince Rupert	49	13	5	15	12	5	13
Rankin Inlet	39	44	17	12	6	17	14
Red Deer Regional	1	4,596	14	11	88	10	434
Rouyn-Noranda	24	250	4	8	14	25	32
Saint John	19	406	22	10	20	22	52
Sept-Îles	21	374	8	15	26	14	50
Sioux Lookout	46	22	13	8	4	6	4
Smithers	27	218	2	8	22	14	44
St. Catharines	6	1,606	31	18	28	31	128
Sudbury	5	1,638	18	16	48	18	230
Terrace	37	64	3	14	10	19	18
Thompson	28	197	24	20	26	24	30
Timmins	30	130	1	10	10	25	22
Val-d'Or	20	382	15	19	18	15	40
Victoria Harbour	48	16	8	12	4	8	8
Wabush	0	0	0	0	0	0	0
Whitecourt	16	540	18	16	36	18	72
Williams Lake	29	152	17	10	18	17	26

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	6	7,408	9	9	114	9	554
Boundary Bay	1	11,586	7	11	76	4	638
Calgary International	39	110	4	18	8	11	12
Calgary/Springbank	7	6,896	3	13	58	16	408
Chicoutimi/St-Honoré	14	3,748	30	11	64	9	288
Edmonton City Centre	33	562	3	19	28	3	62
Edmonton International	36	302	18	15	10	10	26
Edmonton/Villeneuve	16	3,302	16	17	52	30	228
Fort McMurray	32	664	2	17	38	2	72
Fredericton International	9	5,848	7	20	50	28	388
Gander International	25	1,744	9	16	50	9	222
Halifax/Robert L. Stanfield International	35	308	22	23	14	18	30
Hamilton	29	928	25	21	20	11	92
Kelowna	19	2,696	5	10	46	23	166
Kitchener/Waterloo	5	7,804	13	17	72	11	560
Langley	21	2,418	11	10	36	25	152
London	12	3,858	23	9	48	24	274
Moncton/Greater Moncton International	23	2,158	12	14	46	6	240
Montréal/Pierre Elliott Trudeau International	40	80	20	16	6	19	8
Montréal/St-Hubert	2	10,650	25	21	122	1	846
Oshawa	20	2,694	11	11	46	11	346
Ottawa/Macdonald-Cartier International	13	3,844	27	15	60	25	344
Pitt Meadows	8	6,620	22	17	62	16	342
Prince George	31	786	8	8	20	8	64
Québec/Jean Lesage International	17	3,028	24	21	52	25	214
Regina International	27	1,201	14	16	30	24	92
Saskatoon/John G. Diefenbaker International	22	2,338	8	9	42	10	172
Sault Ste. Marie	11	4,180	16	11	68	25	344
St. John's International	37	278	26	11	20	16	34
St-Jean	26	1,686	8	10	34	11	122
Thunder Bay	18	2,874	31	13	62	31	298
Toronto/Billy Bishop Toronto City	15	3,586	28	17	44	6	272
Toronto/Buttonville Municipal	3	9,078	30	11	120	30	712
Toronto/Lester B. Pearson International	38	114	2	11	8	8	16
Vancouver Harbour	42	4	5	11	2	5	4
Vancouver International	41	14	1	17	2	1	4
Victoria International	10	5,666	16	10	50	9	356
Whitehorse International	28	1,144	26	13	36	10	88
Windsor	24	1,998	16	10	42	5	152
Winnipeg/James Armstrong Richardson International	30	912	2	9	20	29	64
Winnipeg/St. Andrews	4	8,438	6	10	80	10	668
Yellowknife	34	522	3	14	14	3	40

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	10	1,108	27	15	32	19	166
Campbell River	13	922	7	19	28	7	126
Castlegar	40	36	9	9	4	21	6
Charlottetown	28	192	16	23	14	3	16
Churchill	39	42	7	10	10	25	12
Cranbrook	31	124	29	8	16	31	26
Deer Lake	34	98	14	9	12	14	24
Fort Nelson	32	112	11	16	10	27	32
Fort St. John	18	492	10	8	26	18	58
Grande Prairie	7	1,484	10	8	48	9	118
High Level	25	236	21	11	44	21	102
Îles-de-la-Madeleine	46	20	8	9	2	26	4
Inuvik/Mike Zubko	44	22	12	16	4	12	4
Iqaluit	41	30	4	17	6	31	8
Kamloops	14	720	31	18	22	29	62
Kenora	23	290	2	14	42	2	86
Kingston	11	1,006	15	22	26	31	86
Kuujuuaq	35	78	14	11	8	30	12
La Grande Rivière	47	18	1	20	2	29	6
La Ronge	22	354	4	12	26	4	80
Lethbridge	12	965	20	10	48	20	228
Lloydminster	17	496	20	9	28	18	38
Medicine Hat	2	2,604	12	10	52	5	298
Mont-Joli	43	26	30	16	10	30	14
Montréal/Mirabel International	4	2,056	3	14	46	22	146
Nanaimo	8	1,380	8	15	24	19	114
Norman Wells	33	102	1	15	6	1	12
North Bay	9	1,114	15	10	32	4	110
Ottawa/Gatineau	3	2,368	31	10	50	31	210
Peace River	42	30	4	16	6	10	8
Penticton	15	612	25	16	24	25	62
Port Hardy	50	10	5	16	6	5	6
Prince Albert	37	56	8	18	8	8	12
Prince Rupert	49	13	5	15	12	5	13
Rankin Inlet	38	44	17	12	6	17	14
Red Deer Regional	1	4,596	14	11	88	10	434
Rouyn-Noranda	24	244	4	8	14	25	32
Saint John	19	402	22	10	20	22	52
Sept-Îles	21	374	8	15	26	14	50
Sioux Lookout	45	22	13	8	4	6	4
Smithers	26	218	2	8	22	14	44
St. Catharines	6	1,606	31	18	28	31	128
Sudbury	5	1,636	18	16	48	18	230
Terrace	36	64	3	14	10	19	18
Thompson	27	197	24	20	26	24	30
Timmins	30	130	1	10	10	25	22
Val-d'Or	20	378	15	19	18	15	40
Victoria Harbour	48	16	8	12	4	8	8
Wabush	0	0	0	0	0	0	0
Whitecourt	16	540	18	16	36	18	72
Williams Lake	29	142	17	10	18	17	26

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	4	26	9	19	20	9	20
Boundary Bay	20	2	26	12	2	26	2
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	5	20	1	11	6	1	6
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	14	4	18	16	2	18	2
Fredericton International	18	2	3	16	2	3	2
Gander International	17	2	17	17	2	17	2
Halifax/Robert L. Stanfield International	7	18	21	11	8	21	8
Hamilton	0	0	0	0	0	0	0
Kelowna	3	122	9	16	20	9	42
Kitchener/Waterloo	0	0	0	0	0	0	0
Langley	0	0	0	0	0	0	0
London	19	2	10	13	2	10	2
Moncton/Greater Moncton International	11	10	2	13	4	2	4
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	0	0	0	0	0	0	0
Oshawa	0	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	10	10	1	13	4	1	6
Pitt Meadows	13	6	21	13	6	21	6
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	0	0	0	0	0	0	0
Regina International	1	266	15	22	14	8	34
Saskatoon/John G. Diefenbaker International	2	136	11	22	12	5	18
Sault Ste. Marie	9	12	2	12	4	7	8
St. John's International	15	4	13	15	2	13	2
St-Jean	0	0	0	0	0	0	0
Thunder Bay	8	16	3	18	4	12	6
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	20	30	17	8	30	12
Whitehorse International	0	0	0	0	0	0	0
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	12	6	4	10	2	4	2
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	16	4	10	12	2	10	2

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	6	14	11	17	4	11	4
Campbell River	14	6	16	17	2	16	2
Castlegar	19	4	13	11	2	13	2
Charlottetown	3	30	2	18	10	2	18
Churchill	18	4	18	13	4	18	4
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	16	4	16	16	2	16	2
Inuvik/Mike Zubko	10	8	16	14	4	16	4
Iqaluit	11	8	8	17	8	8	8
Kamloops	12	8	24	12	4	24	4
Kenora	7	14	2	15	10	2	14
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	20	4	1	9	2	1	2
Lethbridge	1	36	19	10	24	19	24
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	13	6	22	12	6	22	6
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	2	32	3	20	10	1	14
Nanaimo	5	18	30	12	14	30	18
Norman Wells	0	0	0	0	0	0	0
North Bay	0	0	0	0	0	0	0
Ottawa/Gatineau	17	4	8	14	4	8	4
Peace River	0	0	0	0	0	0	0
Penticton	8	12	23	19	8	23	8
Port Hardy	0	0	0	0	0	0	0
Prince Albert	4	26	4	11	4	29	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	15	6	5	11	6	5	6
Saint John	21	4	3	16	2	3	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	23	2	1	14	2	1	2
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	22	4	5	11	4	5	4
Victoria Harbour	0	0	0	0	0	0	0
Wabush	0	0	0	0	0	0	0
Whitecourt	0	0	0	0	0	0	0
Williams Lake	9	10	24	11	6	24	6

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

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.

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

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.