

Catalogue no. 51-007-X

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



August 2013



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Statistics Canada
Transportation Division

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

August 2013

Published by authority of the Minister responsible for Statistics Canada

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November 2013

Catalogue no. 51-007-X

ISSN 1911-6314

Frequency: Monthly

Ottawa

Cette publication est également disponible en français.

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- . not available for any reference period
- .. not available for a specific reference period
- ... not applicable
- 0 true zero or a value rounded to zero
- 0^s value rounded to 0 (zero) where there is a meaningful distinction between true zero and the value that was rounded
- p preliminary
- r revised
- x suppressed to meet the confidentiality requirements of the *Statistics Act*
- E use with caution
- F too unreliable to be published
- * significantly different from reference category ($p < 0.05$)

Acknowledgements

Statistics Canada would like to thank all of the respondents and data suppliers whose participation has enabled us to provide the statistical information contained in this publication.

The information found in this publication could not have been produced if not for the cooperation of our respondents and data suppliers.

This publication was prepared by the Aviation Statistics Centre, of the Transportation Division, Statistics Canada under the general direction of **Antoine Rose**, Assistant Director, Transportation Division and **Norah Hillary**, Chief, Aviation Statistics Centre. **Kathie Davidson**, **Rose Krakower**, **Conrad Ogrodnik**, **John Scolli** and **Bev Pomfret** contributed to the preparation of this publication.

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Highlights

There were 525,823 aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in August 2013 compared with 538,264 movements in August 2012. This represents a decrease of 2.3%.

Itinerant movements (flights from one airport to another) decreased 3.1% (-12,332 movements) in August 2013 from the same month the previous year. These airports reported 391,941 movements compared with 404,273 movements in August 2012.

There were 133,882 local movements (flights that remain in the vicinity of the airport) in August 2013 compared with 133,991 movements in August 2012 (a decrease of 0.1 %).

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

	NAV CANADA towers	Percentage change, August 2012 to August 2013	NAV CANADA Flight Service Stations	Percentage change, August 2012 to August 2013	Total	Percentage change, August 2012 to August 2013
	number	percent	number	percent	number	percent
Grand total	419,593	-0.5	106,230	-9.0	525,823	-2.3
Itinerant movements						
Air carriers	234,969	-0.9	61,984	-9.1	296,953	-2.8
Other commercial movements	28,521	-6.4	4,535	0.2	33,056	-5.6
Private movements	36,150	-2.5	14,484	-1.5	50,634	-2.2
Government civil movements	4,500	-8.2	2,289	-8.8	6,789	-8.4
Government military movements	3,487	8.0	1,022	-28.6	4,509	-3.2
Itinerant total	307,627	-1.7	84,314	-7.7	391,941	-3.1
Local movements						
Civil local movements	111,252	3.0	21,714	-13.6	132,966	-0.1
Military local movements	714	10.5	202	-4.3	916	6.9
Local total	111,966	3.1	21,916	-13.5	133,882	-0.1

Analysis

There were 525,823 aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in August 2013 compared with 538,264 movements in August 2012. Year-over-year decreases were reported by 50 airports. Toronto/Lester B. Pearson International, Ontario (39,876 movements) and Vancouver International, British Columbia (31,093 movements) were the most active sites in August 2013.

Itinerant movements (flights from one airport to another) decreased 3.1% (-12,332 movements) in August 2013 from the same month the previous year. These airports reported 391,941 movements compared with 404,273 movements in August 2012. Year-over-year variations ranged from an increase of 1,029 movements (+8.5%) at Edmonton International, Alberta to a drop of 1,984 movements (-53.4%) at Fort Nelson, British Columbia. Fifty-eight airports reported year-over-year decreases in the number of itinerant aircraft movements in August 2013.

In August 2013, there were 133,882 local movements (flights that remain in the vicinity of the airport) recorded. This represents a decrease of 0.1% (-109 movements) compared with the previous year. Boundary Bay, British Columbia (10,840 movements) and Montréal/St-Hubert, Quebec (8,868 movements) recorded the largest number of local movements.

Itinerant movements: domestic, transborder and international

There were 333,916 domestic itinerant movements reported by 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in August 2013, down 3.3% (-11,335 movements) from August 2012. Year-over-year variations ranged from an increase of 999 movements (+9.4%) at Edmonton International, Alberta to a drop of 1,984 movements (-53.4%) at Fort Nelson, British Columbia. Fifty-three airports reported year-over-year decreases in the number of domestic movements in August 2013.

Eighty-seven airports recorded 46,322 transborder itinerant movements (between Canada and the United States) in August 2013, down 2.8% (-1,331 movements) from the same month in 2012. Toronto/Lester B. Pearson International, Ontario (16,004 movements) reported the greatest number of transborder itinerant movements.

In August 2013, forty-two airports reported 11,703 other international itinerant movements, up 2.9% from August 2012. Toronto/Lester B. Pearson International, Ontario, recorded 5,559 other international itinerant movements. This represents 47.5% 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
401-0016	Itinerant movements, by type of operation, airports with NAV CANADA flight service stations, monthly
401-0017	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA flight service stations, monthly

401-0018	Itinerant movements, by type of power plant, airports with NAV CANADA flight service stations, monthly
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401-0036	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

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	22	8,130	32	3,454	8	4,676
Boundary Bay	5	18,536	12	7,696	1	10,840
Calgary International	3	21,660	3	21,508	38	152
Calgary/Springbank	10	12,682	18	5,940	4	6,742
Chicoutimi/St-Honoré	33	4,664	41	1,832	16	2,832
Edmonton City Centre	36	4,250	28	3,570	33	680
Edmonton International	9	13,476	5	13,110	36	366
Edmonton/Villeneuve	29	5,454	42	1,406	10	4,048
Fort McMurray	18	8,731	10	7,917	30	814
Fredericton International	19	8,707	24	4,049	9	4,658
Gander International	42	3,061	39	2,135	28	926
Halifax/Robert L. Stanfield International	23	8,008	13	7,606	35	402
Hamilton	40	3,277	36	2,503	32	774
Kelowna	24	6,924	20	5,060	21	1,864
Kitchener/Waterloo	15	10,300	21	4,908	7	5,392
Langley	31	4,898	38	2,318	18	2,580
London	25	6,848	22	4,170	17	2,678
Moncton/Greater Moncton International	34	4,624	33	3,242	24	1,382
Montréal/Pierre Elliott Trudeau International	4	20,122	4	19,998	39	124
Montréal/St-Hubert	6	16,065	14	7,197	2	8,868
Oshawa	30	5,367	30	3,543	22	1,824
Ottawa/Macdonald-Cartier International	8	13,861	6	10,577	13	3,284
Pitt Meadows	17	9,050	29	3,548	6	5,502
Prince George	38	3,950	34	3,168	31	782
Québec/Jean Lesage International	16	10,076	11	7,866	20	2,210
Regina International	28	5,626	26	3,910	23	1,716
Saskatoon/John G. Diefenbaker International	20	8,545	16	6,221	19	2,324
Sault Ste. Marie	26	6,323	35	2,719	12	3,604
St. John's International	37	4,243	23	4,071	37	172
St-Jean	32	4,699	31	3,535	26	1,164
Thunder Bay	21	8,377	19	5,503	15	2,874
Toronto/Billy Bishop Toronto City	12	11,664	8	8,752	14	2,912
Toronto/Buttonville Municipal	7	15,153	15	6,693	3	8,460
Toronto/Lester B. Pearson International	1	39,876	1	39,808	40	68
Vancouver Harbour	27	6,211	17	6,199	42	12
Vancouver International	2	31,093	2	31,027	41	66
Victoria International	11	12,174	9	8,166	11	4,008
Whitehorse International	39	3,694	37	2,484	25	1,210
Windsor	41	3,206	40	2,066	27	1,140
Winnipeg/James Armstrong Richardson International	13	11,137	7	10,299	29	838
Winnipeg/St. Andrews	14	10,431	27	3,899	5	6,532
Yellowknife	35	4,420	25	3,954	34	466
Total of NAV CANADA towers (42)	.	419,593	.	307,627	.	111,966

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	32	1,699	47	799	8	900
Campbell River	13	2,652	14	2,096	16	556
Castlegar	45	947	46	865	34	82
Charlottetown	34	1,616	31	1,434	24	182
Churchill	49	782	49	754	43	28
Cranbrook	43	1,123	40	977	30	146
Deer Lake	29	1,810	22	1,736	37	74
Fort Nelson	28	1,821	23	1,731	32	90
Fort St. John	10	2,952	6	2,564	18	388
Grande Prairie	7	3,168	7	2,528	14	640
High Level	44	966	41	958	48	8
Îles-de-la-Madeleine	50	611	50	591	45	20
Inuvik/Mike Zubko	33	1,678	26	1,654	44	24
Iqaluit	24	2,131	15	2,023	31	108
Kamloops	3	3,964	3	2,968	6	996
Kenora	38	1,400	37	1,156	22	244
Kingston	14	2,647	19	1,815	12	832
Kuujuuaq	35	1,611	30	1,449	27	162
La Grande Rivière	48	783	48	773	47	10
La Ronge	22	2,246	17	1,950	21	296
Lethbridge	21	2,281	27	1,595	13	686
Lloydminster	39	1,293	43	943	20	350
Medicine Hat	15	2,645	21	1,751	10	894
Mont-Joli	46	942	44	898	40	44
Montréal/Mirabel International	9	3,031	39	983	2	2,048
Nanaimo	6	3,279	11	2,381	9	898
Norman Wells	37	1,417	32	1,381	41	36
North Bay	18	2,538	29	1,464	5	1,074
Ottawa/Gatineau	5	3,891	28	1,545	1	2,346
Peace River	47	928	45	878	39	50
Penticton	19	2,498	25	1,662	11	836
Port Hardy	40	1,263	35	1,245	46	18
Prince Albert	23	2,148	16	1,998	29	150
Prince Rupert	51	317	51	317	0	0
Rankin Inlet	42	1,160	38	1,132	42	28
Red Deer Regional	2	4,001	13	2,237	3	1,764
Rouyn-Noranda	41	1,250	36	1,166	33	84
Saint John	31	1,700	33	1,350	19	350
Sept-Îles	17	2,578	10	2,400	25	178
Sioux Lookout	12	2,717	5	2,639	36	78
Smithers	25	1,929	20	1,755	26	174
St. Catharines	4	3,896	8	2,420	4	1,476
Sudbury	1	4,040	2	3,052	7	988
Terrace	20	2,351	12	2,285	38	66
Thompson	11	2,798	4	2,642	28	156
Timmins	16	2,628	9	2,418	23	210
Val-d'Or	27	1,830	34	1,260	15	570
Victoria Harbour	8	3,162	1	3,156	49	6
Wabush	26	1,901	18	1,901	0	0
Whitecourt	36	1,436	42	944	17	492
Williams Lake	30	1,775	24	1,695	35	80
Total of all flight service stations (51)	.	106,230	.	84,314	.	21,916

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

	Civil movements			Military movements			
	Total	Itinerant		Local	Total	Itinerant	Local
		Commercial	Private and government				
	number						
Abbotsford	7,815	2,109	1,088	4,618	315	257	58
Boundary Bay	18,516	5,835	1,841	10,840	20	20	0
Calgary International	21,589	20,053	1,384	152	71	71	0
Calgary/Springbank	12,642	4,099	1,801	6,742	40	40	0
Chicoutimi/St-Honoré	4,664	1,609	223	2,832	0	0	0
Edmonton City Centre	4,237	1,960	1,597	680	13	13	0
Edmonton International	13,411	12,033	1,022	356	65	55	10
Edmonton/Villeneuve	5,317	739	530	4,048	137	137	0
Fort McMurray	8,706	6,765	1,139	802	25	13	12
Fredericton International	8,649	3,782	215	4,652	58	52	6
Gander International	2,939	1,696	317	926	122	122	0
Halifax/Robert L. Stanfield International	7,874	7,103	387	384	134	116	18
Hamilton	3,266	1,986	508	772	11	9	2
Kelowna	6,778	4,073	905	1,800	146	82	64
Kitchener/Waterloo	10,296	3,546	1,358	5,392	4	4	0
Langley	4,884	1,236	1,068	2,580	14	14	0
London	6,820	3,302	858	2,660	28	10	18
Moncton/Greater Moncton International	4,602	2,893	345	1,364	22	4	18
Montréal/Pierre Elliott Trudeau International	20,110	18,751	1,239	120	12	8	4
Montréal/St-Hubert	15,965	5,890	1,207	8,868	100	100	0
Oshawa	5,351	2,360	1,167	1,824	16	16	0
Ottawa/Macdonald-Cartier International	13,741	9,710	757	3,274	120	110	10
Pitt Meadows	9,046	2,003	1,541	5,502	4	4	0
Prince George	3,927	2,634	513	780	23	21	2
Québec/Jean Lesage International	9,996	6,545	1,243	2,208	80	78	2
Regina International	5,243	3,070	811	1,362	383	29	354
Saskatoon/John G. Diefenbaker International	8,393	4,955	1,202	2,236	152	64	88
Sault Ste. Marie	6,289	2,384	311	3,594	34	24	10
St. John's International	4,046	3,495	379	172	197	197	0
St-Jean	3,750	377	2,209	1,164	949	949	0
Thunder Bay	8,322	4,842	614	2,866	55	47	8
Toronto/Billy Bishop Toronto City	11,615	7,984	721	2,910	49	47	2
Toronto/Buttonville Municipal	15,145	3,560	3,125	8,460	8	8	0
Toronto/Lester B. Pearson International	39,797	38,689	1,040	68	79	79	0
Vancouver Harbour	6,211	6,076	123	12	0	0	0
Vancouver International	31,064	29,736	1,262	66	29	29	0
Victoria International	11,992	6,099	1,889	4,004	182	178	4
Whitehorse International	3,582	1,862	510	1,210	112	112	0
Windsor	3,196	1,566	498	1,132	10	2	8
Winnipeg/James Armstrong Richardson International	10,905	9,122	947	836	232	230	2
Winnipeg/St. Andrews	10,427	3,398	497	6,532	4	4	0
Yellowknife	4,274	3,563	259	452	146	132	14
Total of NAV CANADA towers (42)	415,392	263,490	40,650	111,252	4,201	3,487	714

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	1,663	324	445	894	36	30	6	
Campbell River	2,652	1,238	858	556	0	0	0	
Castlegar	943	735	126	82	4	4	0	
Charlottetown	1,574	1,007	419	148	42	8	34	
Churchill	776	689	59	28	6	6	0	
Cranbrook	1,107	698	263	146	16	16	0	
Deer Lake	1,791	1,569	148	74	19	19	0	
Fort Nelson	1,816	1,558	168	90	5	5	0	
Fort St. John	2,924	2,161	375	388	28	28	0	
Grande Prairie	3,166	1,964	562	640	2	2	0	
High Level	966	904	54	8	0	0	0	
Îles-de-la-Madeleine	611	489	102	20	0	0	0	
Inuvik/Mike Zubko	1,637	1,550	63	24	41	41	0	
Iqaluit	2,079	1,771	200	108	52	52	0	
Kamloops	3,892	2,266	630	996	72	72	0	
Kenora	1,361	777	340	244	39	39	0	
Kingston	2,629	1,268	529	832	18	18	0	
Kuujuuaq	1,601	1,331	108	162	10	10	0	
La Grande Rivière	781	677	94	10	2	2	0	
La Ronge	2,244	1,402	546	296	2	2	0	
Lethbridge	2,239	1,083	476	680	42	36	6	
Lloydminster	1,277	473	456	348	16	14	2	
Medicine Hat	2,603	1,335	374	894	42	42	0	
Mont-Joli	864	655	165	44	78	78	0	
Montréal/Mirabel International	2,988	786	184	2,018	43	13	30	
Nanaimo	3,262	1,370	994	898	17	17	0	
Norman Wells	1,409	1,273	100	36	8	8	0	
North Bay	2,450	973	423	1,054	88	68	20	
Ottawa/Gatineau	3,851	749	788	2,314	40	8	32	
Peace River	928	721	157	50	0	0	0	
Penticton	2,372	896	644	832	126	122	4	
Port Hardy	1,224	1,028	184	12	39	33	6	
Prince Albert	2,128	1,579	413	136	20	6	14	
Prince Rupert	308	207	101	0	9	9	0	
Rankin Inlet	1,152	1,079	45	28	8	8	0	
Red Deer Regional	3,949	1,349	842	1,758	52	46	6	
Rouyn-Noranda	1,244	955	205	84	6	6	0	
Saint John	1,659	943	396	320	41	11	30	
Sept-Îles	2,576	2,097	301	178	2	2	0	
Sioux Lookout	2,715	2,538	99	78	2	2	0	
Smithers	1,927	1,635	118	174	2	2	0	
St. Catharines	3,842	1,510	856	1,476	54	54	0	
Sudbury	4,017	2,484	553	980	23	15	8	
Terrace	2,351	2,109	176	66	0	0	0	
Thompson	2,798	2,361	281	156	0	0	0	
Timmins	2,626	2,172	244	210	2	2	0	
Val-d'Or	1,824	953	303	568	6	4	2	
Victoria Harbour	3,154	3,060	88	6	8	8	0	
Wabush	1,897	1,632	265	0	4	4	0	
Whitecourt	1,434	751	191	492	2	2	0	
Williams Lake	1,725	1,385	262	78	50	48	2	
Total of all flight service stations (51)	105,006	66,519	16,773	21,714	1,224	1,022	202	

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	3,454	485	1,515	109	1,060	28	257
Boundary Bay	7,696	6	1,308	4,521	1,821	20	20
Calgary International	21,508	18,376	1,224	453	1,281	103	71
Calgary/Springbank	5,940	15	592	3,492	1,761	40	40
Chicoutimi/St-Honoré	1,832	803	89	717	221	2	0
Edmonton City Centre	3,570	305	377	1,278	1,090	507	13
Edmonton International	13,110	11,409	471	153	836	186	55
Edmonton/Villeneuve	1,406	0	47	692	530	0	137
Fort McMurray	7,917	2,162	4,398	205	1,060	79	13
Fredericton International	4,049	909	2,857	16	191	24	52
Gander International	2,135	1,629	41	26	257	60	122
Halifax/Robert L. Stanfield International	7,606	6,515	572	16	355	32	116
Hamilton	2,503	1,642	142	202	276	232	9
Kelowna	5,060	3,351	280	442	860	45	82
Kitchener/Waterloo	4,908	461	3,007	78	1,345	13	4
Langley	2,318	24	100	1,112	1,016	52	14
London	4,170	1,234	421	1,647	800	58	10
Moncton/Greater Moncton International	3,242	1,871	1,014	8	221	124	4
Montréal/Pierre Elliott Trudeau International	19,998	17,822	876	53	1,098	141	8
Montréal/St-Hubert	7,197	3,207	811	1,872	1,111	96	100
Oshawa	3,543	45	134	2,181	1,029	138	16
Ottawa/Macdonald-Cartier International	10,577	7,485	313	1,912	381	376	110
Pitt Meadows	3,548	32	1,420	551	1,521	20	4
Prince George	3,168	1,331	1,275	28	452	61	21
Québec/Jean Lesage International	7,866	4,209	1,858	478	909	334	78
Regina International	3,910	2,131	870	69	659	152	29
Saskatoon/John G. Diefenbaker International	6,221	3,434	1,152	369	903	299	64
Sault Ste. Marie	2,719	1,014	65	1,305	238	73	24
St. John's International	4,071	2,984	492	19	199	180	197
St-Jean	3,535	7	141	229	2,207	2	949
Thunder Bay	5,503	3,381	253	1,208	457	157	47
Toronto/Billy Bishop Toronto City	8,752	5,271	1,148	1,565	711	10	47
Toronto/Butterville Municipal	6,693	175	3,335	50	2,995	130	8
Toronto/Lester B. Pearson International	39,808	37,787	865	37	1,024	16	79
Vancouver Harbour	6,199	5,456	618	2	123	0	0
Vancouver International	31,027	26,837	2,782	117	1,111	151	29
Victoria International	8,166	3,064	2,783	252	1,879	10	178
Whitehorse International	2,484	1,032	785	45	482	28	112
Windsor	2,066	669	832	65	490	8	2
Winnipeg/James Armstrong Richardson International	10,299	8,711	279	132	523	424	230
Winnipeg/St. Andrews	3,899	712	1,980	706	497	0	4
Yellowknife	3,954	3,131	323	109	170	89	132
Total of NAV CANADA towers (42)	307,627	191,124	43,845	28,521	36,150	4,500	3,487

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	799	98	182	44	409	36	30
Campbell River	2,096	651	297	290	840	18	0
Castlegar	865	312	369	54	122	4	4
Charlottetown	1,434	944	59	4	406	13	8
Churchill	754	618	53	18	43	16	6
Cranbrook	977	555	117	26	263	0	16
Deer Lake	1,736	1,455	71	43	64	84	19
Fort Nelson	1,731	397	1,155	6	168	0	5
Fort St. John	2,564	857	1,285	19	369	6	28
Grande Prairie	2,528	1,063	862	39	538	24	2
High Level	958	384	503	17	50	4	0
Îles-de-la-Madeleine	591	406	78	5	54	48	0
Inuvik/Mike Zubko	1,654	1,070	480	0	14	49	41
Iqaluit	2,023	1,545	166	60	141	59	52
Kamloops	2,968	885	1,091	290	555	75	72
Kenora	1,156	420	232	125	302	38	39
Kingston	1,815	538	477	253	503	26	18
Kuujuuaq	1,449	946	267	118	84	24	10
La Grande Rivière	773	491	186	0	85	9	2
La Ronge	1,950	1,325	67	10	134	412	2
Lethbridge	1,595	451	112	520	463	13	36
Lloydminster	943	215	238	20	435	21	14
Medicine Hat	1,751	540	346	449	356	18	42
Mont-Joli	898	510	136	9	147	18	78
Montréal/Mirabel International	983	743	43	0	184	0	13
Nanaimo	2,381	573	744	53	971	23	17
Norman Wells	1,381	683	576	14	39	61	8
North Bay	1,464	667	203	103	357	66	68
Ottawa/Gatineau	1,545	52	523	174	781	7	8
Peace River	878	355	359	7	143	14	0
Penticton	1,662	368	413	115	613	31	122
Port Hardy	1,245	931	83	14	148	36	33
Prince Albert	1,998	1,521	42	16	193	220	6
Prince Rupert	317	185	22	0	74	27	9
Rankin Inlet	1,132	894	174	11	29	16	8
Red Deer Regional	2,237	314	835	200	826	16	46
Rouyn-Noranda	1,166	689	169	97	173	32	6
Saint John	1,350	783	109	51	390	6	11
Sept-Îles	2,400	1,311	763	23	223	78	2
Sioux Lookout	2,639	2,100	133	305	56	43	2
Smithers	1,755	639	964	32	116	2	2
St. Catharines	2,420	16	1,442	52	841	15	54
Sudbury	3,052	1,611	392	481	439	114	15
Terrace	2,285	792	1,293	24	158	18	0
Thompson	2,642	1,934	397	30	77	204	0
Timmins	2,418	2,043	114	15	165	79	2
Val-d'Or	1,260	741	137	75	272	31	4
Victoria Harbour	3,156	3,017	43	0	11	77	8
Wabush	1,901	1,381	241	10	219	46	4
Whitecourt	944	24	597	130	191	0	2
Williams Lake	1,695	501	800	84	250	12	48
Total of all flight service stations (51)	84,314	41,544	20,440	4,535	14,484	2,289	1,022

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	3,454	793	22.9	2,661	77.0	2,416
Boundary Bay	7,696	346	4.4	7,350	95.5	899
Calgary International	21,508	20,429	94.9	1,079	5.0	373
Calgary/Springbank	5,940	554	9.3	5,386	90.6	190
Chicoutimi/St-Honoré	1,832	129	7.0	1,703	92.9	152
Edmonton City Centre	3,570	983	27.5	2,587	72.4	1,669
Edmonton International	13,110	12,473	95.1	637	4.8	779
Edmonton/Villeneuve	1,406	115	8.1	1,291	91.8	106
Fort McMurray	7,917	2,698	34.0	5,219	65.9	184
Fredericton International	4,049	1,238	30.5	2,811	69.4	241
Gander International	2,135	1,189	55.6	946	44.3	191
Halifax/Robert L. Stanfield International	7,606	7,198	94.6	408	5.3	357
Hamilton	2,503	1,866	74.5	637	25.4	1,523
Kelowna	5,060	3,341	66.0	1,719	33.9	1,415
Kitchener/Waterloo	4,908	839	17.0	4,069	82.9	1,021
Langley	2,318	24	1.0	2,294	98.9	1,297
London	4,170	1,510	36.2	2,660	63.7	723
Moncton/Greater Moncton International	3,242	2,145	66.1	1,097	33.8	88
Montréal/Pierre Elliott Trudeau International	19,998	19,386	96.9	612	3.0	1,272
Montréal/St-Hubert	7,197	1,580	21.9	5,617	78.0	1,029
Oshawa	3,543	233	6.5	3,310	93.4	658
Ottawa/Macdonald-Cartier International	10,577	8,106	76.6	2,471	23.3	1,513
Pitt Meadows	3,548	51	1.4	3,497	98.5	1,708
Prince George	3,168	1,466	46.2	1,702	53.7	190
Québec/Jean Lesage International	7,866	5,439	69.1	2,427	30.8	1,313
Regina International	3,910	2,544	65.0	1,366	34.9	262
Saskatoon/John G. Diefenbaker International	6,221	4,060	65.2	2,161	34.7	497
Sault Ste. Marie	2,719	1,219	44.8	1,500	55.1	146
St. John's International	4,071	3,754	92.2	317	7.7	194
St-Jean	3,535	9	0.2	3,526	99.7	2,484
Thunder Bay	5,503	3,802	69.0	1,701	30.9	241
Toronto/Billy Bishop Toronto City	8,752	5,578	63.7	3,174	36.2	2,573
Toronto/Buttonville Municipal	6,693	664	9.9	6,029	90.0	1,617
Toronto/Lester B. Pearson International	39,808	39,646	99.5	162	0.4	252
Vancouver Harbour	6,199	41	0.6	6,158	99.3	3,141
Vancouver International	31,027	24,309	78.3	6,718	21.6	6,347
Victoria International	8,166	3,594	44.0	4,572	55.9	3,384
Whitehorse International	2,484	749	30.1	1,735	69.8	928
Windsor	2,066	857	41.4	1,209	58.5	106
Winnipeg/James Armstrong Richardson International	10,299	9,116	88.5	1,183	11.4	712
Winnipeg/St. Andrews	3,899	108	2.7	3,791	97.2	191
Yellowknife	3,954	2,391	60.4	1,563	39.5	1,384
Total of NAV CANADA towers (42)	307,627	196,572	63.9	111,055	36.1	45,766

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	799	120	15.0	679	84.9	336
Campbell River	2,096	723	34.4	1,373	65.5	1,196
Castlegar	865	295	34.1	570	65.8	207
Charlottetown	1,434	1,071	74.6	363	25.3	54
Churchill	754	649	86.0	105	13.9	139
Cranbrook	977	619	63.3	358	36.6	205
Deer Lake	1,736	1,349	77.7	387	22.2	36
Fort Nelson	1,731	430	24.8	1,301	75.1	62
Fort St. John	2,564	1,005	39.1	1,559	60.8	110
Grande Prairie	2,528	1,381	54.6	1,147	45.3	152
High Level	958	176	18.3	782	81.6	204
Îles-de-la-Madeleine	591	556	94.0	35	5.9	445
Inuvik/Mike Zubko	1,654	410	24.7	1,244	75.2	114
Iqaluit	2,023	1,512	74.7	511	25.2	17
Kamloops	2,968	1,012	34.0	1,956	65.9	555
Kenora	1,156	597	51.6	559	48.3	964
Kingston	1,815	697	38.4	1,118	61.5	474
Kuujuuaq	1,449	553	38.1	896	61.8	237
La Grande Rivière	773	645	83.4	128	16.5	93
La Ronge	1,950	925	47.4	1,025	52.5	1,164
Lethbridge	1,595	622	38.9	973	61.0	55
Lloydminster	943	296	31.3	647	68.6	32
Medicine Hat	1,751	452	25.8	1,299	74.1	311
Mont-Joli	898	647	72.0	251	27.9	37
Montréal/Mirabel International	983	855	86.9	128	13.0	2,429
Nanaimo	2,381	766	32.1	1,615	67.8	1,353
Norman Wells	1,381	238	17.2	1,143	82.7	231
North Bay	1,464	808	55.1	656	44.8	770
Ottawa/Gatineau	1,545	134	8.6	1,411	91.3	941
Peace River	878	376	42.8	502	57.1	13
Penticton	1,662	395	23.7	1,267	76.2	307
Port Hardy	1,245	568	45.6	677	54.3	461
Prince Albert	1,998	1,613	80.7	385	19.2	232
Prince Rupert	317	233	73.5	84	26.4	10
Rankin Inlet	1,132	947	83.6	185	16.3	270
Red Deer Regional	2,237	542	24.2	1,695	75.7	539
Rouyn-Noranda	1,166	928	79.5	238	20.4	193
Saint John	1,350	1,081	80.0	269	19.9	39
Sept-Îles	2,400	1,738	72.4	662	27.5	450
Sioux Lookout	2,639	1,976	74.8	663	25.1	1,458
Smithers	1,755	554	31.5	1,201	68.4	1,498
St. Catharines	2,420	185	7.6	2,235	92.3	401
Sudbury	3,052	1,522	49.8	1,530	50.1	592
Terrace	2,285	818	35.7	1,467	64.2	338
Thompson	2,642	1,577	59.6	1,065	40.3	442
Timmins	2,418	1,648	68.1	770	31.8	365
Val-d'Or	1,260	827	65.6	433	34.3	684
Victoria Harbour	3,156	33	1.0	3,123	98.9	1,176
Wabush	1,901	1,423	74.8	478	25.1	371
Whitecourt	944	47	4.9	897	95.0	180
Williams Lake	1,695	540	31.8	1,155	68.1	290
Total of all flight service stations (51)	84,314	39,114	46.4	45,200	53.6	23,232

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	3,454	627	269	1,967	567	24
Boundary Bay	7,696	31	55	7,206	404	0
Calgary International	21,508	13,672	6,635	301	895	5
Calgary/Springbank	5,940	80	323	5,089	448	0
Chicoutimi/St-Honoré	1,832	2	101	1,490	239	0
Edmonton City Centre	3,570	214	731	2,091	534	0
Edmonton International	13,110	7,553	4,960	365	232	0
Edmonton/Villeneuve	1,406	39	32	1,232	37	66
Fort McMurray	7,917	1,363	2,115	1,626	2,813	0
Fredericton International	4,049	109	1,168	2,667	105	0
Gander International	2,135	506	672	819	138	0
Halifax/Robert L. Stanfield International	7,606	4,123	2,848	244	391	0
Hamilton	2,503	1,304	576	559	64	0
Kelowna	5,060	1,607	1,767	1,492	194	0
Kitchener/Waterloo	4,908	309	351	3,964	281	3
Langley	2,318	0	6	2,018	285	9
London	4,170	469	1,025	2,496	180	0
Moncton/Greater Moncton International	3,242	813	1,239	1,146	44	0
Montréal/Pierre Elliott Trudeau International	19,998	13,003	6,327	384	284	0
Montréal/St-Hubert	7,197	285	818	5,739	349	6
Oshawa	3,543	43	59	3,311	130	0
Ottawa/Macdonald-Cartier International	10,577	5,525	2,472	2,226	354	0
Pitt Meadows	3,548	2	32	2,829	685	0
Prince George	3,168	261	1,569	565	773	0
Québec/Jean Lesage International	7,866	1,345	3,960	1,686	875	0
Regina International	3,910	1,534	864	1,362	145	5
Saskatoon/John G. Diefenbaker International	6,221	1,672	2,295	2,066	187	1
Sault Ste. Marie	2,719	53	1,133	1,511	22	0
St. John's International	4,071	1,857	1,583	94	537	0
St-Jean	3,535	1	4	1,773	38	1,719
Thunder Bay	5,503	488	3,242	1,534	239	0
Toronto/Billy Bishop Toronto City	8,752	11	5,580	2,388	773	0
Toronto/Buttonville Municipal	6,693	61	314	5,924	394	0
Toronto/Lester B. Pearson International	39,808	32,664	7,069	66	9	0
Vancouver Harbour	6,199	0	3,517	1,626	1,056	0
Vancouver International	31,027	13,943	12,203	3,839	1,042	0
Victoria International	8,166	1,165	2,291	4,389	321	0
Whitehorse International	2,484	423	672	1,018	371	0
Windsor	2,066	176	623	1,247	20	0
Winnipeg/James Armstrong Richardson International	10,299	5,382	3,944	703	270	0
Winnipeg/St. Andrews	3,899	0	903	2,827	169	0
Yellowknife	3,954	613	2,604	382	355	0
Total of NAV CANADA towers (42)	307,627	113,328	88,951	86,261	17,249	1,838

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	799	38	151	577	33	0
Campbell River	2,096	127	787	684	497	1
Castlegar	865	14	378	157	316	0
Charlottetown	1,434	490	541	363	40	0
Churchill	754	132	558	42	22	0
Cranbrook	977	36	544	302	95	0
Deer Lake	1,736	304	1,249	112	71	0
Fort Nelson	1,731	27	421	283	1,000	0
Fort St. John	2,564	258	836	413	1,057	0
Grande Prairie	2,528	184	1,031	759	552	2
High Level	958	8	350	209	390	1
Îles-de-la-Madeleine	591	29	495	67	0	0
Inuvik/Mike Zubko	1,654	100	703	315	536	0
Iqaluit	2,023	380	1,426	75	142	0
Kamloops	2,968	164	1,122	1,000	682	0
Kenora	1,156	105	526	311	214	0
Kingston	1,815	33	589	1,009	184	0
Kuujuuaq	1,449	168	944	36	301	0
La Grande Rivière	773	82	594	87	10	0
La Ronge	1,950	6	1,494	369	81	0
Lethbridge	1,595	53	561	928	53	0
Lloydminster	943	18	274	585	65	1
Medicine Hat	1,751	40	564	1,089	58	0
Mont-Joli	898	18	612	215	16	37
Montréal/Mirabel International	983	632	217	44	90	0
Nanaimo	2,381	57	693	1,568	63	0
Norman Wells	1,381	190	345	210	636	0
North Bay	1,464	110	727	342	284	1
Ottawa/Gatineau	1,545	20	62	1,244	217	2
Peace River	878	21	344	161	352	0
Penticton	1,662	115	480	632	435	0
Port Hardy	1,245	139	604	381	121	0
Prince Albert	1,998	14	1,640	306	38	0
Prince Rupert	317	65	175	24	53	0
Rankin Inlet	1,132	252	718	22	140	0
Red Deer Regional	2,237	81	394	1,677	83	2
Rouyn-Noranda	1,166	102	837	212	15	0
Saint John	1,350	149	893	287	21	0
Sept-Îles	2,400	35	1,628	365	372	0
Sioux Lookout	2,639	10	2,165	430	34	0
Smithers	1,755	30	843	169	713	0
St. Catharines	2,420	38	42	1,497	796	47
Sudbury	3,052	29	1,738	888	397	0
Terrace	2,285	69	775	113	1,328	0
Thompson	2,642	139	2,085	245	173	0
Timmins	2,418	20	2,157	164	77	0
Val-d'Or	1,260	140	656	345	119	0
Victoria Harbour	3,156	0	2,338	309	509	0
Wabush	1,901	26	1,367	336	172	0
Whitecourt	944	10	45	164	725	0
Williams Lake	1,695	26	728	261	680	0
Total of all flight service stations (51)	84,314	5,333	41,446	22,383	15,058	94

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	2,100	399	234	103	42	52	486	38	0	0
Boundary Bay	7,081	529	35	46	4	0	1	0	0	0
Calgary International	676	578	1,456	2,112	689	4,717	9,415	999	166	700
Calgary/Springbank	5,126	395	274	139	4	2	0	0	0	0
Chicoutimi/St-Honoré	1,507	228	95	2	0	0	0	0	0	0
Edmonton City Centre	2,360	325	516	286	62	21	0	0	0	0
Edmonton International	335	297	1,465	1,153	480	3,059	5,527	547	117	130
Edmonton/Villeneuve	1,258	69	49	26	4	0	0	0	0	0
Fort McMurray	3,398	1,406	768	490	100	904	784	67	0	0
Fredericton International	2,727	119	294	274	249	362	13	9	2	0
Gander International	815	26	32	616	224	260	95	35	18	14
Halifax/Robert L. Stanfield International	178	255	390	1,052	1,155	1,644	2,128	414	199	191
Hamilton	427	357	182	279	160	48	517	2	399	132
Kelowna	1,493	174	516	715	82	1,096	982	0	2	0
Kitchener/Waterloo	4,101	177	338	54	42	130	66	0	0	0
Langley	2,167	93	44	14	0	0	0	0	0	0
London	2,514	96	271	223	611	255	193	2	4	1
Moncton/Greater Moncton International	1,144	125	165	331	110	822	210	2	333	0
Montréal/Pierre Elliott Trudeau International	418	243	560	570	2,744	7,125	5,228	1,311	0	1,799
Montréal/St-Hubert	5,466	537	570	296	152	92	84	0	0	0
Oshawa	3,224	220	47	42	2	0	0	3	5	0
Ottawa/Macdonald-Cartier International	2,225	125	755	280	685	3,144	2,644	444	48	227
Pitt Meadows	3,180	212	136	19	0	0	1	0	0	0
Prince George	1,012	185	377	787	113	371	323	0	0	0
Québec/Jean Lesage International	2,170	375	792	535	1,150	2,592	161	14	0	77
Regina International	1,216	302	370	246	64	953	685	6	68	0
Saskatoon/John G. Diefenbaker International	1,866	447	642	804	240	1,240	939	0	43	0
Sault Ste. Marie	1,504	123	521	89	292	186	0	4	0	0
St. John's International	95	14	216	725	917	403	1,305	304	90	2
St-Jean	3,515	13	4	0	2	0	1	0	0	0
Thunder Bay	1,512	259	2,177	234	122	977	216	6	0	0
Toronto/Billy Bishop Toronto City	2,810	343	273	247	0	5,079	0	0	0	0
Toronto/Buttonville Municipal	6,002	407	224	53	4	3	0	0	0	0
Toronto/Lester B. Pearson International	34	251	361	2,000	4,077	7,998	16,025	4,646	269	4,147
Vancouver Harbour	738	4,795	657	7	2	0	0	0	0	0
Vancouver International	1,055	5,732	935	3,291	1,283	6,819	7,195	2,103	293	2,321
Victoria International	3,777	1,012	264	478	283	1,649	549	122	32	0
Whitehorse International	1,116	329	318	191	8	122	367	12	0	21
Windsor	1,126	134	79	89	393	179	66	0	0	0
Winnipeg/James Armstrong Richardson International	540	528	2,671	384	736	1,799	2,681	268	583	109
Winnipeg/St. Andrews	2,822	1,005	69	1	2	0	0	0	0	0
Yellowknife	451	562	631	408	311	930	508	149	0	4
Total of NAV CANADA towers (42)	87,281	23,801	20,773	19,691	17,600	55,033	59,395	11,507	2,671	9,875

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	497	77	137	18	20	34	2	14	0	0
Campbell River	1,024	168	125	594	134	30	21	0	0	0
Castlegar	175	193	92	141	14	248	2	0	0	0
Charlottetown	342	139	56	190	122	262	317	6	0	0
Churchill	46	59	119	8	108	392	20	2	0	0
Cranbrook	284	70	75	349	10	180	9	0	0	0
Deer Lake	132	60	39	514	633	66	286	6	0	0
Fort Nelson	945	131	287	185	92	91	0	0	0	0
Fort St. John	1,401	55	187	279	142	490	10	0	0	0
Grande Prairie	991	325	379	103	29	616	85	0	0	0
High Level	386	154	238	138	2	22	18	0	0	0
Îles-de-la-Madeleine	45	22	141	93	165	125	0	0	0	0
Inuvik/Mike Zubko	706	64	622	99	3	57	97	6	0	0
Iqaluit	121	52	624	229	194	464	246	26	16	51
Kamloops	1,274	181	360	263	29	747	114	0	0	0
Kenora	303	104	642	64	25	18	0	0	0	0
Kingston	1,119	97	86	473	28	10	0	2	0	0
Kuujuuaq	300	31	790	0	14	166	126	6	0	16
La Grande Rivière	51	46	261	2	26	303	82	2	0	0
La Ronge	172	255	663	289	254	317	0	0	0	0
Lethbridge	848	127	208	388	6	9	3	6	0	0
Lloydminster	553	106	117	155	12	0	0	0	0	0
Medicine Hat	1,109	74	215	310	5	38	0	0	0	0
Mont-Joli	234	32	176	152	76	224	4	0	0	0
Montréal/Mirabel International	94	79	15	108	18	94	88	4	302	181
Nanaimo	1,237	444	55	57	22	564	2	0	0	0
Norman Wells	530	128	458	31	8	36	190	0	0	0
North Bay	556	107	441	128	182	42	8	0	0	0
Ottawa/Gatineau	952	507	68	2	14	2	0	0	0	0
Peace River	350	83	357	74	6	2	6	0	0	0
Penticton	866	192	153	168	11	228	44	0	0	0
Port Hardy	157	521	48	149	359	9	2	0	0	0
Prince Albert	169	80	214	561	402	570	0	2	0	0
Prince Rupert	53	37	40	24	60	103	0	0	0	0
Rankin Inlet	66	98	176	10	92	526	162	2	0	0
Red Deer Regional	1,566	185	197	195	0	90	3	0	1	0
Rouyn-Noranda	209	8	268	80	363	174	64	0	0	0
Saint John	206	165	177	255	329	204	12	2	0	0
Sept-Îles	492	229	486	261	716	210	6	0	0	0
Sioux Lookout	93	389	1,285	728	144	0	0	0	0	0
Smithers	731	259	112	402	61	180	10	0	0	0
St. Catharines	2,184	161	29	22	15	7	0	2	0	0
Sudbury	842	281	1,011	292	388	232	4	2	0	0
Terrace	959	399	210	118	211	388	0	0	0	0
Thompson	205	290	1,414	18	183	532	0	0	0	0
Timmins	159	197	1,194	53	574	241	0	0	0	0
Val-d'Or	380	77	208	155	269	53	116	2	0	0
Victoria Harbour	268	2,287	595	0	6	0	0	0	0	0
Wabush	322	157	273	450	511	182	6	0	0	0
Whitecourt	860	21	27	24	8	4	0	0	0	0
Williams Lake	707	66	260	489	12	149	12	0	0	0
Total of all flight service stations (51)	28,271	10,069	16,410	9,890	7,107	9,731	2,177	92	319	248

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	3,284	479	1,494	100	928	28	255
Transborder	167	6	21	7	131	0	2
Other international	3	0	0	2	1	0	0
Total	3,454	485	1,515	109	1,060	28	257
Boundary Bay							
Domestic	7,518	2	1,291	4,487	1,699	20	19
Transborder	177	4	17	34	121	0	1
Other international	1	0	0	0	1	0	0
Total	7,696	6	1,308	4,521	1,821	20	20
Calgary International							
Domestic	17,206	14,429	1,181	445	985	103	63
Transborder	3,684	3,344	43	7	290	0	0
Other international	618	603	0	1	6	0	8
Total	21,508	18,376	1,224	453	1,281	103	71
Calgary/Springbank							
Domestic	5,812	13	587	3,487	1,646	40	39
Transborder	128	2	5	5	115	0	1
Other international	0	0	0	0	0	0	0
Total	5,940	15	592	3,492	1,761	40	40
Chicoutimi/St-Honoré							
Domestic	1,832	803	89	717	221	2	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,832	803	89	717	221	2	0
Edmonton City Centre							
Domestic	3,538	303	374	1,276	1,065	507	13
Transborder	32	2	3	2	25	0	0
Other international	0	0	0	0	0	0	0
Total	3,570	305	377	1,278	1,090	507	13
Edmonton International							
Domestic	11,677	10,062	470	145	762	186	52
Transborder	1,335	1,251	1	7	73	0	3
Other international	98	96	0	1	1	0	0
Total	13,110	11,409	471	153	836	186	55
Edmonton/Villeneuve							
Domestic	1,403	0	47	692	527	0	137
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	1,406	0	47	692	530	0	137
Fort McMurray							
Domestic	7,847	2,099	4,398	205	1,053	79	13
Transborder	69	63	0	0	6	0	0
Other international	1	0	0	0	1	0	0
Total	7,917	2,162	4,398	205	1,060	79	13
Fredericton International							
Domestic	3,994	899	2,856	15	149	24	51
Transborder	55	10	1	1	42	0	1
Other international	0	0	0	0	0	0	0
Total	4,049	909	2,857	16	191	24	52
Gander International							
Domestic	1,830	1,545	35	3	96	60	91
Transborder	140	35	1	6	82	0	16
Other international	165	49	5	17	79	0	15
Total	2,135	1,629	41	26	257	60	122

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	6,419	5,486	561	11	230	32	99
Transborder	978	841	9	0	117	0	11
Other international	209	188	2	5	8	0	6
Total	7,606	6,515	572	16	355	32	116
Hamilton							
Domestic	1,945	1,239	111	199	158	229	9
Transborder	534	387	26	3	115	3	0
Other international	24	16	5	0	3	0	0
Total	2,503	1,642	142	202	276	232	9
Kelowna							
Domestic	4,753	3,145	267	439	775	45	82
Transborder	306	206	13	3	84	0	0
Other international	1	0	0	0	1	0	0
Total	5,060	3,351	280	442	860	45	82
Kitchener/Waterloo							
Domestic	4,546	290	2,948	78	1,213	13	4
Transborder	357	169	58	0	130	0	0
Other international	5	2	1	0	2	0	0
Total	4,908	461	3,007	78	1,345	13	4
Langley							
Domestic	2,295	24	99	1,110	996	52	14
Transborder	23	0	1	2	20	0	0
Other international	0	0	0	0	0	0	0
Total	2,318	24	100	1,112	1,016	52	14
London							
Domestic	3,876	1,043	409	1,646	711	58	9
Transborder	294	191	12	1	89	0	1
Other international	0	0	0	0	0	0	0
Total	4,170	1,234	421	1,647	800	58	10
Moncton/Greater Moncton International							
Domestic	3,126	1,787	1,009	8	194	124	4
Transborder	108	77	5	0	26	0	0
Other international	8	7	0	0	1	0	0
Total	3,242	1,871	1,014	8	221	124	4
Montréal/Pierre Elliott Trudeau International							
Domestic	11,208	9,581	725	28	726	141	7
Transborder	6,354	5,864	121	15	353	0	1
Other international	2,436	2,377	30	10	19	0	0
Total	19,998	17,822	876	53	1,098	141	8
Montréal/St-Hubert							
Domestic	7,020	3,194	810	1,867	953	96	100
Transborder	175	11	1	5	158	0	0
Other international	2	2	0	0	0	0	0
Total	7,197	3,207	811	1,872	1,111	96	100
Oshawa							
Domestic	3,453	38	124	2,179	958	138	16
Transborder	72	7	9	2	54	0	0
Other international	18	0	1	0	17	0	0
Total	3,543	45	134	2,181	1,029	138	16
Ottawa/Macdonald-Cartier International							
Domestic	8,621	5,678	298	1,895	288	362	100
Transborder	1,801	1,666	14	17	84	14	6
Other international	155	141	1	0	9	0	4
Total	10,577	7,485	313	1,912	381	376	110

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	3,512	32	1,420	550	1,486	20	4
Transborder	36	0	0	1	35	0	0
Other international	0	0	0	0	0	0	0
Total	3,548	32	1,420	551	1,521	20	4
Prince George							
Domestic	3,150	1,328	1,275	28	439	61	19
Transborder	18	3	0	0	13	0	2
Other international	0	0	0	0	0	0	0
Total	3,168	1,331	1,275	28	452	61	21
Québec/Jean Lesage International							
Domestic	6,875	3,345	1,842	470	812	332	74
Transborder	893	780	6	8	96	2	1
Other international	98	84	10	0	1	0	3
Total	7,866	4,209	1,858	478	909	334	78
Regina International							
Domestic	3,521	1,824	869	66	583	150	29
Transborder	389	307	1	3	76	2	0
Other international	0	0	0	0	0	0	0
Total	3,910	2,131	870	69	659	152	29
Saskatoon/John G. Diefenbaker International							
Domestic	5,883	3,172	1,142	368	841	296	64
Transborder	338	262	10	1	62	3	0
Other international	0	0	0	0	0	0	0
Total	6,221	3,434	1,152	369	903	299	64
Sault Ste. Marie							
Domestic	2,656	1,013	62	1,301	188	68	24
Transborder	58	1	2	4	49	2	0
Other international	5	0	1	0	1	3	0
Total	2,719	1,014	65	1,305	238	73	24
St. John's International							
Domestic	3,629	2,783	490	2	125	180	49
Transborder	201	81	1	8	38	0	73
Other international	241	120	1	9	36	0	75
Total	4,071	2,984	492	19	199	180	197
St-Jean							
Domestic	3,533	7	141	229	2,205	2	949
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	3,535	7	141	229	2,207	2	949
Thunder Bay							
Domestic	5,315	3,306	253	1,208	345	157	46
Transborder	187	75	0	0	112	0	0
Other international	1	0	0	0	0	0	1
Total	5,503	3,381	253	1,208	457	157	47
Toronto/Billy Bishop Toronto City							
Domestic	6,976	3,661	1,127	1,557	574	10	47
Transborder	1,776	1,610	21	8	137	0	0
Other international	0	0	0	0	0	0	0
Total	8,752	5,271	1,148	1,565	711	10	47
Toronto/Buttonville Municipal							
Domestic	6,504	151	3,314	49	2,854	130	6
Transborder	188	24	21	1	140	0	2
Other international	1	0	0	0	1	0	0
Total	6,693	175	3,335	50	2,995	130	8

Table 7-1 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Toronto/Lester B. Pearson International							
Domestic	18,245	17,470	347	30	306	16	76
Transborder	16,004	15,069	231	6	695	0	3
Other international	5,559	5,248	287	1	23	0	0
Total	39,808	37,787	865	37	1,024	16	79
Vancouver Harbour							
Domestic	6,180	5,438	618	2	122	0	0
Transborder	17	16	0	0	1	0	0
Other international	2	2	0	0	0	0	0
Total	6,199	5,456	618	2	123	0	0
Vancouver International							
Domestic	23,714	19,968	2,740	85	742	150	29
Transborder	5,407	4,975	41	23	368	0	0
Other international	1,906	1,894	1	9	1	1	0
Total	31,027	26,837	2,782	117	1,111	151	29
Victoria International							
Domestic	7,476	2,661	2,762	252	1,613	10	178
Transborder	689	403	21	0	265	0	0
Other international	1	0	0	0	1	0	0
Total	8,166	3,064	2,783	252	1,879	10	178
Whitehorse International							
Domestic	2,388	1,018	772	43	416	28	111
Transborder	84	5	13	0	65	0	1
Other international	12	9	0	2	1	0	0
Total	2,484	1,032	785	45	482	28	112
Windsor							
Domestic	1,962	651	817	65	419	8	2
Transborder	100	18	11	0	71	0	0
Other international	4	0	4	0	0	0	0
Total	2,066	669	832	65	490	8	2
Winnipeg/James Armstrong Richardson International							
Domestic	9,181	7,739	264	130	402	422	224
Transborder	1,113	969	14	2	120	2	6
Other international	5	3	1	0	1	0	0
Total	10,299	8,711	279	132	523	424	230
Winnipeg/St. Andrews							
Domestic	3,892	712	1,979	706	491	0	4
Transborder	6	0	1	0	5	0	0
Other international	1	0	0	0	1	0	0
Total	3,899	712	1,980	706	497	0	4
Yellowknife							
Domestic	3,937	3,120	323	107	168	89	130
Transborder	15	9	0	2	2	0	2
Other international	2	2	0	0	0	0	0
Total	3,954	3,131	323	109	170	89	132
Total of NAV CANADA towers (42)							
Domestic	251,732	141,538	42,740	28,280	31,464	4,468	3,242
Transborder	44,313	38,743	755	184	4,470	28	133
Other international	11,582	10,843	350	57	216	4	112
Total	307,627	191,124	43,845	28,521	36,150	4,500	3,487

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	778	93	182	44	393	36	30
Transborder	21	5	0	0	16	0	0
Other international	0	0	0	0	0	0	0
Total	799	98	182	44	409	36	30
Campbell River							
Domestic	1,927	643	297	289	680	18	0
Transborder	169	8	0	1	160	0	0
Other international	0	0	0	0	0	0	0
Total	2,096	651	297	290	840	18	0
Castlegar							
Domestic	849	312	368	54	107	4	4
Transborder	16	0	1	0	15	0	0
Other international	0	0	0	0	0	0	0
Total	865	312	369	54	122	4	4
Charlottetown							
Domestic	1,316	876	58	4	357	13	8
Transborder	117	68	1	0	48	0	0
Other international	1	0	0	0	1	0	0
Total	1,434	944	59	4	406	13	8
Churchill							
Domestic	752	616	53	18	43	16	6
Transborder	2	2	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	754	618	53	18	43	16	6
Cranbrook							
Domestic	958	553	117	26	246	0	16
Transborder	17	0	0	0	17	0	0
Other international	2	2	0	0	0	0	0
Total	977	555	117	26	263	0	16
Deer Lake							
Domestic	1,735	1,455	71	42	64	84	19
Transborder	0	0	0	0	0	0	0
Other international	1	0	0	1	0	0	0
Total	1,736	1,455	71	43	64	84	19
Fort Nelson							
Domestic	1,728	397	1,155	6	165	0	5
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	1,731	397	1,155	6	168	0	5
Fort St. John							
Domestic	2,559	856	1,285	19	365	6	28
Transborder	5	1	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	2,564	857	1,285	19	369	6	28
Grande Prairie							
Domestic	2,525	1,063	862	39	536	24	1
Transborder	3	0	0	0	2	0	1
Other international	0	0	0	0	0	0	0
Total	2,528	1,063	862	39	538	24	2
High Level							
Domestic	958	384	503	17	50	4	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	958	384	503	17	50	4	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	579	405	77	5	44	48	0
Transborder	12	1	1	0	10	0	0
Other international	0	0	0	0	0	0	0
Total	591	406	78	5	54	48	0
Inuvik/Mike Zubko							
Domestic	1,654	1,070	480	0	14	49	41
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,654	1,070	480	0	14	49	41
Iqaluit							
Domestic	1,898	1,497	160	53	78	58	52
Transborder	23	9	1	2	11	0	0
Other international	102	39	5	5	52	1	0
Total	2,023	1,545	166	60	141	59	52
Kamloops							
Domestic	2,949	885	1,087	290	540	75	72
Transborder	19	0	4	0	15	0	0
Other international	0	0	0	0	0	0	0
Total	2,968	885	1,091	290	555	75	72
Kenora							
Domestic	1,020	403	230	123	188	38	38
Transborder	136	17	2	2	114	0	1
Other international	0	0	0	0	0	0	0
Total	1,156	420	232	125	302	38	39
Kingston							
Domestic	1,759	532	474	251	458	26	18
Transborder	56	6	3	2	45	0	0
Other international	0	0	0	0	0	0	0
Total	1,815	538	477	253	503	26	18
Kuujuuaq							
Domestic	1,447	946	267	118	82	24	10
Transborder	1	0	0	0	1	0	0
Other international	1	0	0	0	1	0	0
Total	1,449	946	267	118	84	24	10
La Grande Rivière							
Domestic	772	490	186	0	85	9	2
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	773	491	186	0	85	9	2
La Ronge							
Domestic	1,946	1,325	67	10	130	412	2
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	1,950	1,325	67	10	134	412	2
Lethbridge							
Domestic	1,502	448	104	516	386	13	35
Transborder	93	3	8	4	77	0	1
Other international	0	0	0	0	0	0	0
Total	1,595	451	112	520	463	13	36
Lloydminster							
Domestic	942	214	238	20	435	21	14
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	943	215	238	20	435	21	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							
Medicine Hat							
Domestic	1,745	540	346	449	350	18	42
Transborder	6	0	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	1,751	540	346	449	356	18	42
Mont-Joli							
Domestic	897	509	136	9	147	18	78
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	898	510	136	9	147	18	78
Montréal/Mirabel International							
Domestic	754	547	40	0	154	0	13
Transborder	227	194	3	0	30	0	0
Other international	2	2	0	0	0	0	0
Total	983	743	43	0	184	0	13
Nanaimo							
Domestic	2,270	567	739	53	871	23	17
Transborder	108	6	5	0	97	0	0
Other international	3	0	0	0	3	0	0
Total	2,381	573	744	53	971	23	17
Norman Wells							
Domestic	1,374	680	576	14	39	57	8
Transborder	7	3	0	0	0	4	0
Other international	0	0	0	0	0	0	0
Total	1,381	683	576	14	39	61	8
North Bay							
Domestic	1,416	655	203	103	321	66	68
Transborder	48	12	0	0	36	0	0
Other international	0	0	0	0	0	0	0
Total	1,464	667	203	103	357	66	68
Ottawa/Gatineau							
Domestic	1,534	52	521	174	772	7	8
Transborder	10	0	1	0	9	0	0
Other international	1	0	1	0	0	0	0
Total	1,545	52	523	174	781	7	8
Peace River							
Domestic	876	354	359	7	142	14	0
Transborder	2	1	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	878	355	359	7	143	14	0
Penticton							
Domestic	1,622	366	411	115	577	31	122
Transborder	40	2	2	0	36	0	0
Other international	0	0	0	0	0	0	0
Total	1,662	368	413	115	613	31	122
Port Hardy							
Domestic	1,180	930	83	14	84	36	33
Transborder	65	1	0	0	64	0	0
Other international	0	0	0	0	0	0	0
Total	1,245	931	83	14	148	36	33
Prince Albert							
Domestic	1,993	1,521	42	16	189	219	6
Transborder	5	0	0	0	4	1	0
Other international	0	0	0	0	0	0	0
Total	1,998	1,521	42	16	193	220	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							
Prince Rupert							
Domestic	297	185	22	0	54	27	9
Transborder	20	0	0	0	20	0	0
Other international	0	0	0	0	0	0	0
Total	317	185	22	0	74	27	9
Rankin Inlet							
Domestic	1,132	894	174	11	29	16	8
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,132	894	174	11	29	16	8
Red Deer Regional							
Domestic	2,223	312	832	200	817	16	46
Transborder	14	2	3	0	9	0	0
Other international	0	0	0	0	0	0	0
Total	2,237	314	835	200	826	16	46
Rouyn-Noranda							
Domestic	1,165	689	168	97	173	32	6
Transborder	1	0	1	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,166	689	169	97	173	32	6
Saint John							
Domestic	1,252	780	107	51	297	6	11
Transborder	97	3	1	0	93	0	0
Other international	1	0	1	0	0	0	0
Total	1,350	783	109	51	390	6	11
Sept-Îles							
Domestic	2,396	1,310	763	23	220	78	2
Transborder	2	1	0	0	1	0	0
Other international	2	0	0	0	2	0	0
Total	2,400	1,311	763	23	223	78	2
Sioux Lookout							
Domestic	2,625	2,098	131	302	49	43	2
Transborder	14	2	2	3	7	0	0
Other international	0	0	0	0	0	0	0
Total	2,639	2,100	133	305	56	43	2
Smithers							
Domestic	1,749	638	964	32	111	2	2
Transborder	6	1	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	1,755	639	964	32	116	2	2
St. Catharines							
Domestic	2,348	3	1,439	52	785	15	54
Transborder	72	13	3	0	56	0	0
Other international	0	0	0	0	0	0	0
Total	2,420	16	1,442	52	841	15	54
Sudbury							
Domestic	3,022	1,605	392	481	415	114	15
Transborder	29	5	0	0	24	0	0
Other international	1	1	0	0	0	0	0
Total	3,052	1,611	392	481	439	114	15
Terrace							
Domestic	2,274	792	1,293	24	147	18	0
Transborder	11	0	0	0	11	0	0
Other international	0	0	0	0	0	0	0
Total	2,285	792	1,293	24	158	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	2,634	1,934	396	30	70	204	0
Transborder	8	0	1	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	2,642	1,934	397	30	77	204	0
Timmins							
Domestic	2,409	2,042	113	15	161	76	2
Transborder	6	1	1	0	4	0	0
Other international	3	0	0	0	0	3	0
Total	2,418	2,043	114	15	165	79	2
Val-d'Or							
Domestic	1,259	741	137	75	272	31	3
Transborder	0	0	0	0	0	0	0
Other international	1	0	0	0	0	0	1
Total	1,260	741	137	75	272	31	4
Victoria Harbour							
Domestic	2,659	2,524	43	0	8	77	7
Transborder	497	493	0	0	3	0	1
Other international	0	0	0	0	0	0	0
Total	3,156	3,017	43	0	11	77	8
Wabush							
Domestic	1,898	1,379	241	10	218	46	4
Transborder	3	2	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,901	1,381	241	10	219	46	4
Whitecourt							
Domestic	943	24	597	130	190	0	2
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	944	24	597	130	191	0	2
Williams Lake							
Domestic	1,685	501	797	84	243	12	48
Transborder	10	0	3	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	1,695	501	800	84	250	12	48
Total of all flight service stations (51)							
Domestic	82,184	40,635	20,386	4,515	13,351	2,280	1,017
Transborder	2,009	865	47	14	1,074	5	4
Other international	121	44	7	6	59	4	1
Total	84,314	41,544	20,440	4,535	14,484	2,289	1,022

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	22	8,130	31	13	72	21	461
Boundary Bay	5	18,536	16	11	126	9	797
Calgary International	3	21,660	21	17	62	27	816
Calgary/Springbank	10	12,682	30	11	104	14	588
Chicoutimi/St-Honoré	33	4,664	12	10	82	27	325
Edmonton City Centre	36	4,250	6	9	33	10	233
Edmonton International	9	13,476	28	11	45	28	571
Edmonton/Villeneuve	29	5,454	13	13	75	31	309
Fort McMurray	18	8,731	5	18	46	16	345
Fredericton International	19	8,707	7	16	58	6	559
Gander International	42	3,061	23	11	32	26	188
Halifax/Robert L. Stanfield International	23	8,008	17	11	29	1	294
Hamilton	40	3,277	3	12	25	16	166
Kelowna	24	6,924	30	10	56	13	309
Kitchener/Waterloo	15	10,300	10	11	80	8	635
Langley	31	4,898	21	16	50	20	248
London	25	6,848	9	15	55	14	327
Moncton/Greater Moncton International	34	4,624	2	13	43	1	284
Montréal/Pierre Elliott Trudeau International	4	20,122	23	18	67	19	727
Montréal/St-Hubert	6	16,065	5	21	147	29	1,084
Oshawa	30	5,367	2	11	49	29	288
Ottawa/Macdonald-Cartier International	8	13,861	2	10	76	20	651
Pitt Meadows	17	9,050	12	15	70	31	477
Prince George	38	3,950	14	17	86	14	242
Québec/Jean Lesage International	16	10,076	15	11	63	30	433
Regina International	28	5,626	9	13	40	2	273
Saskatoon/John G. Diefenbaker International	20	8,545	27	11	61	27	420
Sault Ste. Marie	26	6,323	20	9	104	20	464
St. John's International	37	4,243	1	12	29	1	221
St-Jean	32	4,699	15	19	117	5	900
Thunder Bay	21	8,377	2	12	83	30	489
Toronto/Billy Bishop Toronto City	12	11,664	11	16	72	8	511
Toronto/Buttonville Municipal	7	15,153	3	9	108	29	788
Toronto/Lester B. Pearson International	1	39,876	19	18	104	19	1,388
Vancouver Harbour	27	6,211	8	11	31	8	277
Vancouver International	2	31,093	5	16	88	23	1,100
Victoria International	11	12,174	28	15	76	21	588
Whitehorse International	39	3,694	23	11	40	7	184
Windsor	41	3,206	5	19	35	5	180
Winnipeg/James Armstrong Richardson International	13	11,137	2	13	45	21	452
Winnipeg/St. Andrews	14	10,431	10	13	88	2	481
Yellowknife	35	4,420	12	17	32	21	205

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	32	1,699	22	18	77	22	205
Campbell River	13	2,652	18	17	23	4	141
Castlegar	45	947	26	16	20	20	70
Charlottetown	34	1,616	12	22	20	12	85
Churchill	49	782	23	23	12	1	33
Cranbrook	43	1,123	21	7	22	21	76
Deer Lake	29	1,810	7	20	15	16	81
Fort Nelson	28	1,821	17	13	22	21	102
Fort St. John	10	2,952	23	16	34	23	133
Grande Prairie	7	3,168	31	22	52	23	164
High Level	44	966	3	17	12	5	72
Îles-de-la-Madeleine	50	611	12	14	7	12	36
Inuvik/Mike Zubko	33	1,678	14	13	14	14	83
Iqaluit	24	2,131	20	12	19	20	132
Kamloops	3	3,964	9	11	81	9	241
Kenora	38	1,400	10	10	21	7	81
Kingston	14	2,647	23	15	34	2	169
Kuujuuaq	35	1,611	19	14	23	19	88
La Grande Rivière	48	783	8	14	9	23	45
La Ronge	22	2,246	28	14	28	1	117
Lethbridge	21	2,281	9	13	29	7	138
Lloydminster	39	1,293	16	11	22	29	73
Medicine Hat	15	2,645	7	12	35	8	165
Mont-Joli	46	942	31	12	30	31	137
Montréal/Mirabel International	9	3,031	13	15	39	27	169
Nanaimo	6	3,279	30	11	30	30	164
Norman Wells	37	1,417	6	11	11	7	80
North Bay	18	2,538	27	14	38	6	165
Ottawa/Gatineau	5	3,891	7	11	67	24	219
Peace River	47	928	9	13	11	9	52
Penticton	19	2,498	20	11	35	20	135
Port Hardy	40	1,263	9	17	14	13	74
Prince Albert	23	2,148	15	14	23	7	128
Prince Rupert	51	317	11	14	9	14	22
Rankin Inlet	42	1,160	28	17	11	12	61
Red Deer Regional	2	4,001	14	10	54	13	262
Rouyn-Noranda	41	1,250	21	10	16	20	68
Saint John	31	1,700	15	12	22	19	86
Sept-Îles	17	2,578	6	15	24	1	127
Sioux Lookout	12	2,717	26	13	17	12	130
Smithers	25	1,929	14	16	33	5	135
St. Catharines	4	3,896	24	16	58	5	245
Sudbury	1	4,040	8	19	37	8	210
Terrace	20	2,351	27	16	16	27	108
Thompson	11	2,798	13	20	27	13	161
Timmins	16	2,628	18	21	28	14	124
Val-d'Or	27	1,830	9	9	39	29	160
Victoria Harbour	8	3,162	7	18	19	13	145
Wabush	26	1,901	5	10	19	5	100
Whitecourt	36	1,436	15	14	47	15	159
Williams Lake	30	1,775	14	15	18	9	121

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	32	3,454	13	13	24	21	163
Boundary Bay	12	7,696	25	15	48	7	382
Calgary International	3	21,508	21	17	62	14	811
Calgary/Springbank	18	5,940	1	10	69	1	338
Chicoutimi/St-Honoré	41	1,832	15	10	17	6	124
Edmonton City Centre	28	3,570	10	10	29	10	227
Edmonton International	5	13,110	13	17	42	28	539
Edmonton/Villeneuve	42	1,406	31	12	25	31	171
Fort McMurray	10	7,917	28	9	34	28	342
Fredericton International	24	4,049	21	19	21	6	239
Gander International	39	2,135	2	11	13	2	115
Halifax/Robert L. Stanfield International	13	7,606	7	17	24	1	282
Hamilton	36	2,503	3	10	16	16	124
Kelowna	20	5,060	18	11	29	13	209
Kitchener/Waterloo	21	4,908	10	12	37	10	305
Langley	38	2,318	21	15	17	21	122
London	22	4,170	16	18	21	16	211
Moncton/Greater Moncton International	33	3,242	1	14	17	1	178
Montréal/Pierre Elliott Trudeau International	4	19,998	23	18	67	23	720
Montréal/St-Hubert	14	7,197	6	10	46	6	473
Oshawa	30	3,543	3	11	25	10	228
Ottawa/Macdonald-Cartier International	6	10,577	15	18	35	23	429
Pitt Meadows	29	3,548	31	13	27	31	209
Prince George	34	3,168	14	17	86	14	212
Québec/Jean Lesage International	11	7,866	6	17	34	23	341
Regina International	26	3,910	2	10	17	15	183
Saskatoon/John G. Diefenbaker International	16	6,221	6	13	28	27	272
Sault Ste. Marie	35	2,719	31	12	19	20	136
St. John's International	23	4,071	23	13	18	29	161
St-Jean	31	3,535	15	19	117	5	830
Thunder Bay	19	5,503	8	9	28	8	270
Toronto/Billy Bishop Toronto City	8	8,752	11	16	44	23	377
Toronto/Buttonville Municipal	15	6,693	23	13	39	9	369
Toronto/Lester B. Pearson International	1	39,808	19	18	104	19	1,384
Vancouver Harbour	17	6,199	8	11	31	8	277
Vancouver International	2	31,027	30	17	87	23	1,100
Victoria International	9	8,166	21	16	40	21	362
Whitehorse International	37	2,484	8	13	17	7	116
Windsor	40	2,066	3	11	20	3	115
Winnipeg/James Armstrong Richardson International	7	10,299	10	13	30	14	396
Winnipeg/St. Andrews	27	3,899	22	18	26	2	191
Yellowknife	25	3,954	7	10	22	21	189

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	47	799	22	19	14	22	71
Campbell River	14	2,096	8	12	18	5	116
Castlegar	46	865	26	16	12	20	54
Charlottetown	31	1,434	7	19	9	12	65
Churchill	49	754	12	10	8	1	33
Cranbrook	40	977	16	11	11	21	50
Deer Lake	22	1,736	12	8	11	2	74
Fort Nelson	23	1,731	7	10	15	21	94
Fort St. John	6	2,564	23	16	19	12	112
Grande Prairie	7	2,528	1	16	15	1	120
High Level	41	958	3	17	12	5	72
Îles-de-la-Madeleine	50	591	12	14	7	12	34
Inuvik/Mike Zubko	26	1,654	14	13	14	14	81
Iqaluit	15	2,023	16	14	16	12	92
Kamloops	3	2,968	10	19	22	10	152
Kenora	37	1,156	27	11	13	23	59
Kingston	19	1,815	11	13	17	25	100
Kuujuuaq	30	1,449	1	11	13	9	79
La Grande Rivière	48	773	1	16	8	23	45
La Ronge	17	1,950	23	16	16	14	111
Lethbridge	27	1,595	6	14	13	22	81
Lloydminster	43	943	29	17	10	29	57
Medicine Hat	21	1,751	20	18	16	20	85
Mont-Joli	44	898	31	12	30	31	137
Montréal/Mirabel International	39	983	26	11	10	20	49
Nanaimo	11	2,381	31	14	17	6	109
Norman Wells	32	1,381	12	11	10	30	71
North Bay	29	1,464	19	19	12	28	83
Ottawa/Gatineau	28	1,545	24	10	19	24	131
Peace River	45	878	28	16	9	8	45
Penticton	25	1,662	7	17	15	8	86
Port Hardy	35	1,245	9	17	14	22	69
Prince Albert	16	1,998	16	8	14	7	104
Prince Rupert	51	317	11	14	9	14	22
Rankin Inlet	38	1,132	13	12	10	2	55
Red Deer Regional	13	2,237	9	9	20	10	115
Rouyn-Noranda	36	1,166	20	9	12	20	66
Saint John	33	1,350	1	11	8	1	63
Sept-Îles	10	2,400	20	16	17	1	119
Sioux Lookout	5	2,639	26	13	17	12	130
Smithers	20	1,755	6	10	22	6	122
St. Catharines	8	2,420	31	15	34	31	160
Sudbury	2	3,052	1	13	18	17	151
Terrace	12	2,285	23	17	15	29	102
Thompson	4	2,642	13	12	17	13	133
Timmins	9	2,418	15	16	13	8	113
Val-d'Or	34	1,260	29	9	10	28	67
Victoria Harbour	1	3,156	7	18	19	13	145
Wabush	18	1,901	5	10	19	5	100
Whitecourt	42	944	29	14	13	29	63
Williams Lake	24	1,695	14	15	18	9	105

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	8	4,676	25	9	58	21	298
Boundary Bay	1	10,840	16	11	98	9	476
Calgary International	38	152	27	22	10	27	30
Calgary/Springbank	4	6,742	30	11	64	13	340
Chicoutimi/St-Honoré	16	2,832	12	10	66	28	234
Edmonton City Centre	33	680	6	9	22	23	68
Edmonton International	36	366	11	16	10	28	32
Edmonton/Villeneuve	10	4,048	13	13	70	13	238
Fort McMurray	30	814	3	10	26	2	62
Fredericton International	9	4,658	1	20	40	6	320
Gander International	28	926	23	11	26	25	92
Halifax/Robert L. Stanfield International	35	402	17	11	10	13	34
Hamilton	32	774	10	17	18	10	60
Kelowna	21	1,864	30	10	40	26	124
Kitchener/Waterloo	7	5,392	5	22	60	8	406
Langley	18	2,580	27	9	40	20	166
London	17	2,678	28	21	40	14	164
Moncton/Greater Moncton International	24	1,382	2	13	30	6	146
Montréal/Pierre Elliott Trudeau International	39	124	8	11	16	8	22
Montréal/St-Hubert	2	8,868	5	21	126	29	742
Oshawa	22	1,824	21	17	36	29	132
Ottawa/Macdonald-Cartier International	13	3,284	25	11	48	20	238
Pitt Meadows	6	5,502	12	15	52	21	314
Prince George	31	782	23	10	24	23	64
Québec/Jean Lesage International	20	2,210	1	13	36	30	146
Regina International	23	1,716	2	9	28	26	116
Saskatoon/John G. Diefenbaker International	19	2,324	27	11	40	15	154
Sault Ste. Marie	12	3,604	20	9	88	20	328
St. John's International	37	172	1	12	16	1	68
St-Jean	26	1,164	20	16	28	20	104
Thunder Bay	15	2,874	19	15	66	30	274
Toronto/Billy Bishop Toronto City	14	2,912	16	19	42	5	198
Toronto/Buttonville Municipal	3	8,460	3	9	76	6	476
Toronto/Lester B. Pearson International	40	68	9	15	4	1	6
Vancouver Harbour	42	12	5	10	4	5	4
Vancouver International	41	66	27	9	24	27	38
Victoria International	11	4,008	28	15	50	21	226
Whitehorse International	25	1,210	23	11	30	17	82
Windsor	27	1,140	5	19	24	5	90
Winnipeg/James Armstrong Richardson International	29	838	2	14	18	21	60
Winnipeg/St. Andrews	5	6,532	10	13	72	13	306
Yellowknife	34	466	12	17	20	25	44

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	8	900	22	18	66	22	134
Campbell River	16	556	10	14	18	10	56
Castlegar	34	82	20	19	10	20	16
Charlottetown	24	182	12	22	18	20	30
Churchill	43	28	23	23	12	23	12
Cranbrook	30	146	21	7	20	21	26
Deer Lake	37	74	7	20	10	31	14
Fort Nelson	32	90	11	15	12	17	18
Fort St. John	18	388	7	16	16	24	60
Grande Prairie	14	640	31	22	50	30	80
High Level	48	8	1	18	8	1	8
Îles-de-la-Madeleine	45	20	6	6	2	27	4
Inuvik/Mike Zubko	44	24	20	0	8	20	8
Iqaluit	31	108	20	18	16	20	58
Kamloops	6	996	9	11	66	9	120
Kenora	22	244	10	10	18	10	34
Kingston	12	832	2	14	28	2	110
Kuujuuaq	27	162	19	14	16	19	30
La Grande Rivière	47	10	8	11	2	8	4
La Ronge	21	296	28	14	18	11	32
Lethbridge	13	686	31	19	24	7	62
Lloydminster	20	350	8	11	20	13	32
Medicine Hat	10	894	7	12	24	8	104
Mont-Joli	40	44	3	10	12	3	12
Montréal/Mirabel International	2	2,048	13	15	36	7	120
Nanaimo	9	898	30	11	22	30	72
Norman Wells	41	36	2	20	6	7	12
North Bay	5	1,074	6	13	34	6	112
Ottawa/Gatineau	1	2,346	7	11	60	12	158
Peace River	39	50	2	12	8	9	16
Penticton	11	836	20	11	28	20	72
Port Hardy	46	18	13	10	4	13	6
Prince Albert	29	150	15	15	18	15	38
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	42	28	28	17	4	12	6
Red Deer Regional	3	1,764	14	10	42	13	174
Rouyn-Noranda	33	84	21	10	12	21	14
Saint John	19	350	20	10	16	11	32
Sept-Îles	25	178	15	15	16	15	24
Sioux Lookout	36	78	31	20	10	31	16
Smithers	26	174	14	16	24	5	42
St. Catharines	4	1,476	24	16	44	5	128
Sudbury	7	988	8	19	30	8	70
Terrace	38	66	12	11	10	27	22
Thompson	28	156	13	20	20	13	28
Timmins	23	210	18	21	28	3	34
Val-d'Or	15	570	9	9	30	29	94
Victoria Harbour	49	6	2	14	2	2	2
Wabush	0	0	0	0	0	0	0
Whitecourt	17	492	15	14	38	15	118
Williams Lake	35	80	9	9	10	9	16

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	9	4,618	25	9	58	21	280
Boundary Bay	1	10,840	16	11	98	9	476
Calgary International	38	152	27	22	10	27	30
Calgary/Springbank	4	6,742	30	11	64	13	340
Chicoutimi/St-Honoré	16	2,832	12	10	66	28	234
Edmonton City Centre	33	680	6	9	22	23	68
Edmonton International	36	356	11	16	10	28	32
Edmonton/Villeneuve	10	4,048	13	13	70	13	238
Fort McMurray	30	802	3	10	26	2	62
Fredericton International	8	4,652	1	20	40	6	320
Gander International	28	926	23	11	26	25	92
Halifax/Robert L. Stanfield International	35	384	17	11	10	13	34
Hamilton	32	772	10	17	18	10	60
Kelowna	22	1,800	30	10	40	26	124
Kitchener/Waterloo	7	5,392	5	22	60	8	406
Langley	18	2,580	27	9	40	20	166
London	17	2,660	28	21	40	14	164
Moncton/Greater Moncton International	23	1,364	2	13	30	6	144
Montréal/Pierre Elliott Trudeau International	39	120	8	11	16	8	22
Montréal/St-Hubert	2	8,868	5	21	126	29	742
Oshawa	21	1,824	21	17	36	29	132
Ottawa/Macdonald-Cartier International	13	3,274	25	11	48	20	238
Pitt Meadows	6	5,502	12	15	52	21	314
Prince George	31	780	23	10	24	23	64
Québec/Jean Lesage International	20	2,208	1	13	36	30	146
Regina International	24	1,362	2	9	28	2	90
Saskatoon/John G. Diefenbaker International	19	2,236	27	11	38	15	152
Sault Ste. Marie	12	3,594	20	9	88	20	328
St. John's International	37	172	1	12	16	1	68
St-Jean	26	1,164	20	16	28	20	104
Thunder Bay	15	2,866	19	15	66	30	274
Toronto/Billy Bishop Toronto City	14	2,910	16	19	42	5	198
Toronto/Buttonville Municipal	3	8,460	3	9	76	6	476
Toronto/Lester B. Pearson International	40	68	9	15	4	1	6
Vancouver Harbour	42	12	5	10	4	5	4
Vancouver International	41	66	27	9	24	27	38
Victoria International	11	4,004	28	15	50	21	226
Whitehorse International	25	1,210	23	11	30	17	82
Windsor	27	1,132	5	19	24	5	90
Winnipeg/James Armstrong Richardson International	29	836	2	14	18	21	60
Winnipeg/St. Andrews	5	6,532	10	13	72	13	306
Yellowknife	34	452	12	17	20	25	44

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	9	894	22	18	66	22	134
Campbell River	16	556	10	14	18	10	56
Castlegar	34	82	20	19	10	20	16
Charlottetown	28	148	17	22	12	20	28
Churchill	42	28	23	23	12	23	12
Cranbrook	29	146	21	7	20	21	26
Deer Lake	37	74	7	20	10	31	14
Fort Nelson	32	90	11	15	12	17	18
Fort St. John	18	388	7	16	16	24	60
Grande Prairie	14	640	31	22	50	30	80
High Level	48	8	1	18	8	1	8
Îles-de-la-Madeleine	45	20	6	6	2	27	4
Inuvik/Mike Zubko	44	24	20	0	8	20	8
Iqaluit	31	108	20	18	16	20	58
Kamloops	6	996	9	11	66	9	120
Kenora	22	244	10	10	18	10	34
Kingston	11	832	2	14	28	2	110
Kuujuuaq	26	162	19	14	16	19	30
La Grande Rivière	47	10	8	11	2	8	4
La Ronge	21	296	28	14	18	11	32
Lethbridge	13	680	31	19	24	7	62
Lloydminster	19	348	8	11	20	13	32
Medicine Hat	10	894	7	12	24	8	104
Mont-Joli	40	44	3	10	12	3	12
Montréal/Mirabel International	2	2,018	13	15	36	7	120
Nanaimo	8	898	30	11	22	30	72
Norman Wells	41	36	2	20	6	7	12
North Bay	5	1,054	6	13	34	6	112
Ottawa/Gatineau	1	2,314	7	11	60	12	158
Peace River	39	50	2	12	8	9	16
Penticton	12	832	20	11	28	20	72
Port Hardy	46	12	28	9	4	28	4
Prince Albert	30	136	15	15	18	15	38
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	43	28	28	17	4	12	6
Red Deer Regional	3	1,758	14	10	42	13	174
Rouyn-Noranda	33	84	21	10	12	21	14
Saint John	20	320	15	12	14	11	32
Sept-Îles	24	178	15	15	16	15	24
Sioux Lookout	35	78	31	20	10	31	16
Smithers	25	174	14	16	24	5	42
St. Catharines	4	1,476	24	16	44	5	128
Sudbury	7	980	8	19	30	8	70
Terrace	38	66	12	11	10	27	22
Thompson	27	156	13	20	20	13	28
Timmins	23	210	18	21	28	3	34
Val-d'Or	15	568	9	9	30	29	94
Victoria Harbour	49	6	2	14	2	2	2
Wabush	0	0	0	0	0	0	0
Whitecourt	17	492	15	14	38	15	118
Williams Lake	36	78	9	9	10	9	16

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	58	21	11	10	8	20
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	10	10	24	14	4	24	4
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	9	12	29	14	12	29	12
Fredericton International	15	6	23	18	4	23	4
Gander International	0	0	0	0	0	0	0
Halifax/Robert L. Stanfield International	5	18	6	8	4	6	4
Hamilton	18	2	21	15	2	21	2
Kelowna	3	64	2	9	20	2	20
Kitchener/Waterloo	0	0	0	0	0	0	0
Langley	0	0	0	0	0	0	0
London	7	18	17	17	12	17	12
Moncton/Greater Moncton International	6	18	6	9	2	20	4
Montréal/Pierre Elliott Trudeau International	16	4	16	11	2	16	2
Montréal/St-Hubert	0	0	0	0	0	0	0
Oshawa	0	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	11	10	9	15	4	9	4
Pitt Meadows	0	0	0	0	0	0	0
Prince George	20	2	1	12	2	1	2
Québec/Jean Lesage International	19	2	21	10	2	21	2
Regina International	1	354	15	14	18	27	34
Saskatoon/John G. Diefenbaker International	2	88	26	17	8	19	10
Sault Ste. Marie	12	10	27	15	6	27	10
St. John's International	0	0	0	0	0	0	0
St-Jean	0	0	0	0	0	0	0
Thunder Bay	14	8	15	12	4	15	4
Toronto/Billy Bishop Toronto City	21	2	21	15	2	21	2
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	17	4	17	15	4	17	4
Whitehorse International	0	0	0	0	0	0	0
Windsor	13	8	17	17	6	17	6
Winnipeg/James Armstrong Richardson International	22	2	16	14	2	16	2
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	8	14	14	15	10	14	12

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	8	6	13	14	2	13	2
Campbell River	0	0	0	0	0	0	0
Castlegar	0	0	0	0	0	0	0
Charlottetown	1	34	12	22	18	12	18
Churchill	0	0	0	0	0	0	0
Cranbrook	0	0	0	0	0	0	0
Deer Lake	0	0	0	0	0	0	0
Fort Nelson	0	0	0	0	0	0	0
Fort St. John	0	0	0	0	0	0	0
Grande Prairie	0	0	0	0	0	0	0
High Level	0	0	0	0	0	0	0
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	0	0	0	0	0	0	0
Iqaluit	0	0	0	0	0	0	0
Kamloops	0	0	0	0	0	0	0
Kenora	0	0	0	0	0	0	0
Kingston	0	0	0	0	0	0	0
Kuujuuaq	0	0	0	0	0	0	0
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	0	0	0	0	0	0	0
Lethbridge	9	6	4	19	6	4	6
Lloydminster	15	2	14	16	2	14	2
Medicine Hat	0	0	0	0	0	0	0
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	3	30	14	15	12	14	16
Nanaimo	0	0	0	0	0	0	0
Norman Wells	0	0	0	0	0	0	0
North Bay	5	20	20	21	10	20	16
Ottawa/Gatineau	2	32	2	12	22	2	22
Peace River	0	0	0	0	0	0	0
Penticton	12	4	17	11	4	17	4
Port Hardy	10	6	13	10	4	13	4
Prince Albert	6	14	9	15	4	22	6
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	11	6	14	18	6	14	6
Rouyn-Noranda	0	0	0	0	0	0	0
Saint John	4	30	20	10	16	20	20
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	7	8	20	13	8	20	8
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	14	2	26	19	2	26	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	13	2	17	12	2	17	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

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.