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



March 2013



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Statistics Canada
Transportation Division

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

March 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 448,480 aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in March 2013 compared with 456,633 movements in March 2012.

Itinerant movements (flights from one airport to another) decreased (-5,614 movements) in March 2013 from the same month in 2012. These airports reported 317,214 movements compared with 322,828 movements in March 2012.

There were 131,266 local movements (flights that remain in the vicinity of the airport) in March 2013 compared with 133,805 movements in March 2012.

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, March 2012 to March 2013	number	Percentage change, March 2012 to March 2013	number	Percentage change, March 2012 to March 2013
Grand total	363,491	-0.7	84,989	-6.0	448,480	-1.8
Itinerant movements						
Air carriers	204,630	-2.9	46,998	-8.9	251,628	-4.1
Other commercial movements	22,728	16.2	3,482	48.2	26,210	19.6
Private movements	23,778	8.3	7,364	1.7	31,142	6.6
Government civil movements	4,047	-15.8	1,539	-16.0	5,586	-15.9
Government military movements	2,173	9.3	475	-36.9	2,648	-3.4
Itinerant total	257,356	-0.7	59,858	-6.1	317,214	-1.7
Local movements						
Civil local movements	105,709	-1.0	25,053	-5.6	130,762	-1.9
Military local movements	426	9.8	78	-46.6	504	-5.6
Local total	106,135	-0.9	25,131	-5.8	131,266	-1.9

Analysis

There were 448,480 aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in March 2013 compared with 456,633 movements in March 2012. Year-over-year decreases were reported by 63 airports. Toronto/Lester B. Pearson International, Ontario (36,924 movements) and Vancouver International, British Columbia (23,851 movements) were the most active sites in March.

Itinerant movements (flights from one airport to another) decreased (-5,614 movements) in March 2013 from the same month in 2012. These airports reported 317,214 movements compared with 322,828 movements in March 2012. Year-over-year variations ranged from an increase of 1,369 movements (+38.5%) at Boundary Bay, British Columbia to a drop of 928 movements (-47.3%) at Norman Wells, Northwest Territories. Sixty airports reported year-over-year decreases in the number of itinerant aircraft movements in March 2013.

In March 2013, there were 131,266 local movements (flights that remain in the vicinity of the airport) recorded. This represents a decrease of 1.9% (-2,539 movements) compared with the previous year. Montréal/St-Hubert, Quebec (8,551 movements) and Calgary/Springbank, Alberta (8,204 movements) recorded the largest number of local movements.

Itinerant movements: domestic, transborder and international

There were 259,571 domestic itinerant movements reported by 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in March 2013, down 2.1% (-5,462 movements) from March 2012. Vancouver International, British Columbia (17,781 movements) and Calgary International, Alberta (15,413 movements) reported the greatest number of domestic itinerant movements. Sixty-one airports reported year-over-year decreases in the number of domestic movements in March 2013.

Seventy-eight airports recorded 43,672 transborder itinerant movements (between Canada and the United States) in March 2013, up from 43,656 movements the same month in 2012. Toronto/Lester B. Pearson International, Ontario (16,716 movements) reported the greatest number of transborder itinerant movements.

In March 2013, forty-seven airports reported 13,971 other international itinerant movements, down 1.2% from March 2012. Toronto/Lester B. Pearson International, Ontario, recorded 5,873 other international itinerant movements. This represents 42.0% of the total other international itinerant movements reported.

Related products

Selected publications from Statistics Canada

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

Selected CANSIM tables from Statistics Canada

401-0007	Aircraft movements, by class of operation and peak hour and peak day of movements, airports with NAV CANADA towers, monthly
401-0008	Aircraft movements, by civil and military movements, airports with NAV CANADA towers, monthly
401-0009	Itinerant movements, by type of operation, airports with NAV CANADA towers, monthly
401-0010	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA towers, monthly
401-0011	Itinerant movements, by type of power plant, airports with NAV CANADA towers, monthly
401-0012	Itinerant movements, by aircraft maximum take-off weight, airports with NAV CANADA towers, monthly
401-0013	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA towers, monthly
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401-0018	Itinerant movements, by type of power plant, airports with NAV CANADA flight service stations, monthly
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401-0036	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA flight service stations, annual
401-0037	Annual aircraft movements, by class of operation and type of operation, airports without air traffic control towers
401-0038	Annual itinerant movements, by weight group and type of power plant, airports without air traffic control towers

Selected surveys from Statistics Canada

2715	Aircraft Movement Statistics
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Selected summary tables from Statistics Canada

- *Aircraft movements by class of operation (monthly)*

Statistical tables

Table 1-1
Total aircraft movements by class of operation — NAV CANADA towers

	Total		Itinerant		Local	
	Rank of movements	Number of movements	Rank of movements	Number of movements	Rank of movements	Number of movements
Abbotsford	10	11,728	23	3,682	3	8,046
Boundary Bay	11	11,618	15	4,926	4	6,692
Calgary International	3	19,736	3	19,632	38	104
Calgary/Springbank	9	12,700	17	4,496	2	8,204
Chicoutimi/St-Honoré	25	5,524	37	1,536	11	3,988
Edmonton City Centre	33	4,187	24	3,519	31	668
Edmonton International	8	12,721	5	12,429	35	292
Edmonton/Villeneuve	27	5,008	41	912	10	4,096
Fort McMurray	32	4,488	19	4,138	34	350
Fredericton International	22	6,044	30	2,808	14	3,236
Gander International	39	2,293	38	1,455	27	838
Halifax/Robert L. Stanfield International	21	6,989	11	6,751	36	238
Hamilton	37	2,648	35	1,882	28	766
Kelowna	24	5,688	18	4,170	22	1,518
Kitchener/Waterloo	18	8,314	22	3,698	9	4,616
Langley	26	5,051	33	2,469	17	2,582
London	23	5,902	28	2,932	16	2,970
Moncton/Greater Moncton International	34	4,100	29	2,878	25	1,222
Montréal/Pierre Elliott Trudeau International	4	19,277	4	19,211	40	66
Montréal/St-Hubert	5	14,696	12	6,145	1	8,551
Oshawa	30	4,620	32	2,682	21	1,938
Ottawa/Macdonald-Cartier International	6	14,284	6	10,806	13	3,478
Pitt Meadows	19	8,098	31	2,740	7	5,358
Prince George	38	2,384	36	1,814	33	570
Québec/Jean Lesage International	13	10,089	9	7,081	15	3,008
Regina International	28	4,736	25	3,476	24	1,260
Saskatoon/John G. Diefenbaker International	20	7,780	13	5,474	19	2,306
Sault Ste. Marie	29	4,674	34	2,314	18	2,360
St. John's International	36	3,489	27	3,271	37	218
St-Jean	42	1,899	42	573	23	1,326
Thunder Bay	17	8,793	14	5,009	12	3,784
Toronto/Billy Bishop Toronto City	15	9,128	10	6,910	20	2,218
Toronto/Buttonville Municipal	14	9,257	16	4,563	8	4,694
Toronto/Lester B. Pearson International	1	36,924	1	36,836	39	88
Vancouver Harbour	35	4,025	20	4,019	42	6
Vancouver International	2	23,851	2	23,829	41	22
Victoria International	7	13,035	8	7,259	5	5,776
Whitehorse International	40	1,985	40	1,265	30	720
Windsor	41	1,940	39	1,324	32	616
Winnipeg/James Armstrong Richardson International	12	10,168	7	9,222	26	946
Winnipeg/St. Andrews	16	9,016	26	3,368	6	5,648
Yellowknife	31	4,604	21	3,852	29	752
Total of NAV CANADA towers (42)	.	363,491	.	257,356	.	106,135

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	36	911	50	369	17	542
Campbell River	18	2,107	22	1,239	14	868
Castlegar	35	974	44	594	19	380
Charlottetown	39	772	36	704	30	68
Churchill	44	668	40	636	38	32
Cranbrook	34	991	31	865	28	126
Deer Lake	24	1,571	17	1,457	29	114
Fort Nelson	30	1,331	26	1,059	24	272
Fort St. John	7	3,025	14	1,553	5	1,472
Grande Prairie	1	3,623	5	2,169	6	1,454
High Level	49	499	48	469	39	30
Îles-de-la-Madeleine	50	470	49	444	40	26
Inuvik/Mike Zubko	41	692	37	684	48	8
Iqaluit	29	1,342	18	1,332	46	10
Kamloops	5	3,148	8	2,034	11	1,114
Kenora	40	765	42	607	25	158
Kingston	9	2,863	12	1,576	9	1,287
Kuujuuaq	38	889	34	843	35	46
La Grande Rivière	45	641	41	621	42	20
La Ronge	27	1,395	20	1,257	27	138
Lethbridge	14	2,353	16	1,463	13	890
Lloydminster	31	1,241	35	823	18	418
Medicine Hat	28	1,362	28	1,004	20	358
Mont-Joli	43	687	38	671	43	16
Montréal/Mirabel International	17	2,214	29	892	8	1,322
Nanaimo	11	2,801	10	1,635	10	1,166
Norman Wells	33	1,080	27	1,034	34	46
North Bay	2	3,466	15	1,530	2	1,936
Ottawa/Gatineau	8	2,963	33	843	1	2,120
Peace River	48	607	45	591	44	16
Penticton	20	1,759	32	847	12	912
Port Hardy	42	688	39	652	36	36
Prince Albert	22	1,639	11	1,604	37	35
Prince Rupert	51	200	51	196	50	4
Rankin Inlet	37	894	30	884	47	10
Red Deer Regional	4	3,203	13	1,565	4	1,638
Rouyn-Noranda	32	1,095	25	1,073	41	22
Saint John	26	1,404	24	1,130	23	274
Sept-Îles	10	2,848	6	2,131	16	717
Sioux Lookout	12	2,578	1	2,566	45	12
Smithers	46	631	46	565	31	66
St. Catharines	6	3,143	19	1,315	3	1,828
Sudbury	3	3,243	2	2,441	15	802
Terrace	23	1,578	21	1,248	21	330
Thompson	13	2,421	3	2,359	32	62
Timmins	16	2,238	7	2,086	26	152
Val-d'Or	25	1,473	23	1,155	22	318
Victoria Harbour	15	2,244	4	2,238	49	6
Wabush	21	1,655	9	1,655	0	0
Whitecourt	19	1,994	43	602	7	1,392
Williams Lake	47	610	47	548	33	62
Total of all flight service stations (51)	.	84,989	.	59,858	.	25,131

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	11,549	2,642	881	8,026	179	159	20	
Boundary Bay	11,613	3,674	1,247	6,692	5	5	0	
Calgary International	19,686	18,298	1,286	102	50	48	2	
Calgary/Springbank	12,683	3,329	1,150	8,204	17	17	0	
Chicoutimi/St-Honoré	5,524	1,394	142	3,988	0	0	0	
Edmonton City Centre	4,181	2,347	1,166	668	6	6	0	
Edmonton International	12,555	11,454	845	256	166	130	36	
Edmonton/Villeneuve	5,008	597	315	4,096	0	0	0	
Fort McMurray	4,482	3,400	734	348	6	4	2	
Fredericton International	6,021	2,717	74	3,230	23	17	6	
Gander International	2,208	1,255	115	838	85	85	0	
Halifax/Robert L. Stanfield International	6,917	6,391	290	236	72	70	2	
Hamilton	2,634	1,635	237	762	14	10	4	
Kelowna	5,603	3,534	575	1,494	85	61	24	
Kitchener/Waterloo	8,310	2,726	968	4,616	4	4	0	
Langley	4,606	1,154	870	2,582	445	445	0	
London	5,898	2,138	792	2,968	4	2	2	
Moncton/Greater Moncton International	4,093	2,642	229	1,222	7	7	0	
Montréal/Pierre Elliott Trudeau International	19,271	18,059	1,146	66	6	6	0	
Montréal/St-Hubert	14,624	5,034	1,039	8,551	72	72	0	
Oshawa	4,611	1,762	913	1,936	9	7	2	
Ottawa/Macdonald-Cartier International	14,121	9,977	672	3,472	163	157	6	
Pitt Meadows	8,098	1,380	1,360	5,358	0	0	0	
Prince George	2,382	1,518	296	568	2	0	2	
Québec/Jean Lesage International	10,040	6,182	856	3,002	49	43	6	
Regina International	4,540	2,954	474	1,112	196	48	148	
Saskatoon/John G. Diefenbaker International	7,642	4,796	632	2,214	138	46	92	
Sault Ste. Marie	4,659	2,114	191	2,354	15	9	6	
St. John's International	3,366	2,889	259	218	123	123	0	
St-Jean	1,810	243	241	1,326	89	89	0	
Thunder Bay	8,697	4,624	325	3,748	96	60	36	
Toronto/Billy Bishop Toronto City	9,106	6,607	281	2,218	22	22	0	
Toronto/Buttonville Municipal	9,257	2,451	2,112	4,694	0	0	0	
Toronto/Lester B. Pearson International	36,916	35,829	999	88	8	8	0	
Vancouver Harbour	4,023	3,992	25	6	2	2	0	
Vancouver International	23,843	22,938	883	22	8	8	0	
Victoria International	12,902	5,852	1,280	5,770	133	127	6	
Whitehorse International	1,984	1,067	197	720	1	1	0	
Windsor	1,932	1,020	300	612	8	4	4	
Winnipeg/James Armstrong Richardson International	9,949	8,362	661	926	219	199	20	
Winnipeg/St. Andrews	9,006	2,793	565	5,648	10	10	0	
Yellowknife	4,542	3,588	202	752	62	62	0	
Total of NAV CANADA towers (42)	360,892	227,358	27,825	105,709	2,599	2,173	426	

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

	Civil movements			Military movements				
	Total	Itinerant		Local	Total	Itinerant		Local
		Commercial	Private and government					
	number							
Brandon Municipal	897	199	156	542	14	14	0	
Campbell River	2,101	966	273	862	6	0	6	
Castlegar	972	546	46	380	2	2	0	
Charlottetown	757	572	119	66	15	13	2	
Churchill	660	618	10	32	8	8	0	
Cranbrook	983	714	143	126	8	8	0	
Deer Lake	1,510	1,316	80	114	61	61	0	
Fort Nelson	1,329	982	75	272	2	2	0	
Fort St. John	3,021	1,325	224	1,472	4	4	0	
Grande Prairie	3,621	1,716	451	1,454	2	2	0	
High Level	499	432	37	30	0	0	0	
Îles-de-la-Madeleine	466	348	96	22	4	0	4	
Inuvik/Mike Zubko	686	646	32	8	6	6	0	
Iqaluit	1,330	1,229	91	10	12	12	0	
Kamloops	3,126	1,633	383	1,110	22	18	4	
Kenora	742	541	47	154	23	19	4	
Kingston	2,845	1,191	367	1,287	18	18	0	
Kuujuuaq	887	827	14	46	2	2	0	
La Grande Rivière	641	573	48	20	0	0	0	
La Ronge	1,395	1,176	81	138	0	0	0	
Lethbridge	2,335	1,036	409	890	18	18	0	
Lloydminster	1,219	550	251	418	22	22	0	
Medicine Hat	1,344	812	176	356	18	16	2	
Mont-Joli	681	611	54	16	6	6	0	
Montréal/Mirabel International	2,191	736	149	1,306	23	7	16	
Nanaimo	2,799	1,010	623	1,166	2	2	0	
Norman Wells	1,078	1,016	16	46	2	2	0	
North Bay	3,373	1,210	239	1,924	93	81	12	
Ottawa/Gatineau	2,958	307	531	2,120	5	5	0	
Peace River	607	533	58	16	0	0	0	
Penticton	1,739	600	227	912	20	20	0	
Port Hardy	662	524	106	32	26	22	4	
Prince Albert	1,623	1,392	196	35	16	16	0	
Prince Rupert	200	168	28	4	0	0	0	
Rankin Inlet	890	868	12	10	4	4	0	
Red Deer Regional	3,185	911	636	1,638	18	18	0	
Rouyn-Noranda	1,095	950	123	22	0	0	0	
Saint John	1,396	797	329	270	8	4	4	
Sept-Îles	2,818	1,947	168	703	30	16	14	
Sioux Lookout	2,578	2,484	82	12	0	0	0	
Smithers	631	487	78	66	0	0	0	
St. Catharines	3,139	890	423	1,826	4	2	2	
Sudbury	3,235	2,097	336	802	8	8	0	
Terrace	1,578	1,177	71	330	0	0	0	
Thompson	2,421	2,193	166	62	0	0	0	
Timmins	2,238	1,944	142	152	0	0	0	
Val-d'Or	1,469	948	207	314	4	0	4	
Victoria Harbour	2,242	2,146	90	6	2	2	0	
Wabush	1,646	1,594	52	0	9	9	0	
Whitecourt	1,994	508	94	1,392	0	0	0	
Williams Lake	604	484	58	62	6	6	0	
Total of all flight service stations (51)	84,436	50,480	8,903	25,053	553	475	78	

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	3,682	520	1,983	139	814	67	159
Boundary Bay	4,926	3	782	2,889	1,224	23	5
Calgary International	19,632	17,192	688	418	1,155	131	48
Calgary/Springbank	4,496	8	820	2,501	1,138	12	17
Chicoutimi/St-Honoré	1,536	612	42	740	142	0	0
Edmonton City Centre	3,519	643	397	1,307	634	532	6
Edmonton International	12,429	10,998	352	104	741	104	130
Edmonton/Villeneuve	912	0	82	515	311	4	0
Fort McMurray	4,138	1,908	1,386	106	683	51	4
Fredericton International	2,808	801	1,916	0	50	24	17
Gander International	1,455	1,163	85	7	83	32	85
Halifax/Robert L. Stanfield International	6,751	6,039	348	4	280	10	70
Hamilton	1,882	1,414	143	78	180	57	10
Kelowna	4,170	2,938	282	314	515	60	61
Kitchener/Waterloo	3,698	445	2,219	62	964	4	4
Langley	2,469	1	58	1,095	856	14	445
London	2,932	1,008	321	809	750	42	2
Moncton/Greater Moncton International	2,878	1,593	1,045	4	125	104	7
Montréal/Pierre Elliott Trudeau International	19,211	17,168	842	49	1,015	131	6
Montréal/St-Hubert	6,145	2,854	542	1,638	941	98	72
Oshawa	2,682	31	74	1,657	800	113	7
Ottawa/Macdonald-Cartier International	10,806	7,624	244	2,109	292	380	157
Pitt Meadows	2,740	7	933	440	1,334	26	0
Prince George	1,814	1,138	370	10	236	60	0
Québec/Jean Lesage International	7,081	4,149	1,614	419	576	280	43
Regina International	3,476	2,297	608	49	320	154	48
Saskatoon/John G. Diefenbaker International	5,474	3,501	1,030	265	352	280	46
Sault Ste. Marie	2,314	1,085	67	962	146	45	9
St. John's International	3,271	2,472	400	17	80	179	123
St-Jean	573	10	144	89	241	0	89
Thunder Bay	5,009	3,309	130	1,185	214	111	60
Toronto/Billy Bishop Toronto City	6,910	5,055	286	1,266	276	5	22
Toronto/Buttonville Municipal	4,563	140	2,262	49	1,964	148	0
Toronto/Lester B. Pearson International	36,836	35,177	629	23	993	6	8
Vancouver Harbour	4,019	3,712	279	1	25	0	2
Vancouver International	23,829	21,230	1,595	113	648	235	8
Victoria International	7,259	2,921	2,776	155	1,262	18	127
Whitehorse International	1,265	683	384	0	170	27	1
Windsor	1,324	517	477	26	292	8	4
Winnipeg/James Armstrong Richardson International	9,222	8,121	202	39	240	421	199
Winnipeg/St. Andrews	3,368	495	1,678	620	564	1	10
Yellowknife	3,852	2,599	534	455	152	50	62
Total of NAV CANADA towers (42)	257,356	173,581	31,049	22,728	23,778	4,047	2,173

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	369	95	101	3	132	24	14
Campbell River	1,239	617	155	194	258	15	0
Castlegar	594	180	89	277	44	2	2
Charlottetown	704	543	29	0	71	48	13
Churchill	636	600	14	4	8	2	8
Cranbrook	865	675	29	10	143	0	8
Deer Lake	1,457	1,292	22	2	19	61	61
Fort Nelson	1,059	409	573	0	73	2	2
Fort St. John	1,553	800	521	4	211	13	4
Grande Prairie	2,169	1,040	659	17	429	22	2
High Level	469	319	101	12	15	22	0
Îles-de-la-Madeleine	444	316	32	0	0	96	0
Inuvik/Mike Zubko	684	521	125	0	10	22	6
Iqaluit	1,332	1,143	34	52	56	35	12
Kamloops	2,034	978	422	233	345	38	18
Kenora	607	319	107	115	31	16	19
Kingston	1,576	452	402	337	365	2	18
Kuujuuaq	843	776	43	8	2	12	2
La Grande Rivière	621	456	111	6	36	12	0
La Ronge	1,257	1,153	23	0	36	45	0
Lethbridge	1,463	524	33	479	399	10	18
Lloydminster	823	205	327	18	221	30	22
Medicine Hat	1,004	552	87	173	172	4	16
Mont-Joli	671	502	104	5	30	24	6
Montréal/Mirabel International	892	662	72	2	145	4	7
Nanaimo	1,635	433	536	41	583	40	2
Norman Wells	1,034	603	407	6	0	16	2
North Bay	1,530	660	262	288	202	37	81
Ottawa/Gatineau	843	98	58	151	512	19	5
Peace River	591	421	110	2	44	14	0
Penticton	847	197	361	42	219	8	20
Port Hardy	652	498	22	4	52	54	22
Prince Albert	1,604	1,348	34	10	86	110	16
Prince Rupert	196	166	2	0	11	17	0
Rankin Inlet	884	852	16	0	0	12	4
Red Deer Regional	1,565	260	515	136	610	26	18
Rouyn-Noranda	1,073	718	223	9	93	30	0
Saint John	1,130	732	47	18	324	5	4
Sept-Îles	2,131	1,382	533	32	88	80	16
Sioux Lookout	2,566	2,011	182	291	14	68	0
Smithers	565	338	131	18	70	8	0
St. Catharines	1,315	12	870	8	406	17	2
Sudbury	2,441	1,537	271	289	256	80	8
Terrace	1,248	562	611	4	43	28	0
Thompson	2,359	1,886	302	5	21	145	0
Timmins	2,086	1,849	91	4	109	33	0
Val-d'Or	1,155	852	65	31	189	18	0
Victoria Harbour	2,238	2,136	10	0	9	81	2
Wabush	1,655	1,365	217	12	34	18	9
Whitecourt	602	30	352	126	88	6	0
Williams Lake	548	408	72	4	50	8	6
Total of all flight service stations (51)	59,858	36,483	10,515	3,482	7,364	1,539	475

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	3,682	794	21.5	2,888	78.4	1,856
Boundary Bay	4,926	237	4.8	4,689	95.1	816
Calgary International	19,632	18,830	95.9	802	4.0	330
Calgary/Springbank	4,496	432	9.6	4,064	90.3	67
Chicoutimi/St-Honoré	1,536	208	13.5	1,328	86.4	93
Edmonton City Centre	3,519	1,297	36.8	2,222	63.1	1,309
Edmonton International	12,429	11,915	95.8	514	4.1	545
Edmonton/Villeneuve	912	33	3.6	879	96.3	168
Fort McMurray	4,138	2,461	59.4	1,677	40.5	78
Fredericton International	2,808	888	31.6	1,920	68.3	93
Gander International	1,455	928	63.7	527	36.2	92
Halifax/Robert L. Stanfield International	6,751	6,466	95.7	285	4.2	132
Hamilton	1,882	1,711	90.9	171	9.0	886
Kelowna	4,170	2,819	67.6	1,351	32.3	547
Kitchener/Waterloo	3,698	655	17.7	3,043	82.2	433
Langley	2,469	34	1.3	2,435	98.6	805
London	2,932	1,212	41.3	1,720	58.6	286
Moncton/Greater Moncton International	2,878	1,849	64.2	1,029	35.7	48
Montréal/Pierre Elliott Trudeau International	19,211	18,812	97.9	399	2.0	785
Montréal/St-Hubert	6,145	1,421	23.1	4,724	76.8	541
Oshawa	2,682	125	4.6	2,557	95.3	493
Ottawa/Macdonald-Cartier International	10,806	8,216	76.0	2,590	23.9	361
Pitt Meadows	2,740	19	0.6	2,721	99.3	1,631
Prince George	1,814	1,329	73.2	485	26.7	193
Québec/Jean Lesage International	7,081	5,187	73.2	1,894	26.7	800
Regina International	3,476	2,696	77.5	780	22.4	69
Saskatoon/John G. Diefenbaker International	5,474	3,980	72.7	1,494	27.2	255
Sault Ste. Marie	2,314	1,170	50.5	1,144	49.4	69
St. John's International	3,271	2,946	90.0	325	9.9	53
St-Jean	573	15	2.6	558	97.3	295
Thunder Bay	5,009	3,495	69.7	1,514	30.2	56
Toronto/Billy Bishop Toronto City	6,910	5,277	76.3	1,633	23.6	1,615
Toronto/Buttonville Municipal	4,563	516	11.3	4,047	88.6	966
Toronto/Lester B. Pearson International	36,836	36,812	99.9	24	0.0	214
Vancouver Harbour	4,019	215	5.3	3,804	94.6	1,520
Vancouver International	23,829	20,278	85.0	3,551	14.9	4,561
Victoria International	7,259	3,258	44.8	4,001	55.1	2,074
Whitehorse International	1,265	522	41.2	743	58.7	250
Windsor	1,324	685	51.7	639	48.2	97
Winnipeg/James Armstrong Richardson International	9,222	8,573	92.9	649	7.0	273
Winnipeg/St. Andrews	3,368	146	4.3	3,222	95.6	108
Yellowknife	3,852	2,181	56.6	1,671	43.3	454
Total of NAV CANADA towers (42)	257,356	180,643	70.2	76,713	29.8	26,317

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	369	111	30.0	258	69.9	93
Campbell River	1,239	516	41.6	723	58.3	337
Castlegar	594	212	35.6	382	64.3	206
Charlottetown	704	592	84.0	112	15.9	22
Churchill	636	616	96.8	20	3.1	54
Cranbrook	865	706	81.6	159	18.3	170
Deer Lake	1,457	1,194	81.9	263	18.0	11
Fort Nelson	1,059	419	39.5	640	60.4	59
Fort St. John	1,553	903	58.1	650	41.8	36
Grande Prairie	2,169	1,210	55.7	959	44.2	63
High Level	469	228	48.6	241	51.3	55
Îles-de-la-Madeleine	444	360	81.0	84	18.9	76
Inuvik/Mike Zubko	684	362	52.9	322	47.0	33
Iqaluit	1,332	1,139	85.5	193	14.4	0
Kamloops	2,034	1,110	54.5	924	45.4	380
Kenora	607	345	56.8	262	43.1	165
Kingston	1,576	556	35.2	1,020	64.7	151
Kuujuuaq	843	413	48.9	430	51.0	11
La Grande Rivière	621	506	81.4	115	18.5	58
La Ronge	1,257	684	54.4	573	45.5	314
Lethbridge	1,463	678	46.3	785	53.6	8
Lloydminster	823	315	38.2	508	61.7	16
Medicine Hat	1,004	449	44.7	555	55.2	144
Mont-Joli	671	635	94.6	36	5.3	4
Montréal/Mirabel International	892	720	80.7	172	19.2	953
Nanaimo	1,635	609	37.2	1,026	62.7	704
Norman Wells	1,034	240	23.2	794	76.7	2
North Bay	1,530	784	51.2	746	48.7	435
Ottawa/Gatineau	843	166	19.6	677	80.3	303
Peace River	591	397	67.1	194	32.8	4
Penticton	847	239	28.2	608	71.7	175
Port Hardy	652	249	38.1	403	61.8	220
Prince Albert	1,604	1,449	90.3	155	9.6	41
Prince Rupert	196	149	76.0	47	23.9	9
Rankin Inlet	884	866	97.9	18	2.0	190
Red Deer Regional	1,565	399	25.4	1,166	74.5	245
Rouyn-Noranda	1,073	1,006	93.7	67	6.2	26
Saint John	1,130	932	82.4	198	17.5	19
Sept-Îles	2,131	1,820	85.4	311	14.5	238
Sioux Lookout	2,566	1,994	77.7	572	22.2	186
Smithers	565	365	64.6	200	35.3	316
St. Catharines	1,315	89	6.7	1,226	93.2	289
Sudbury	2,441	1,657	67.8	784	32.1	403
Terrace	1,248	651	52.1	597	47.8	171
Thompson	2,359	1,478	62.6	881	37.3	34
Timmins	2,086	1,852	88.7	234	11.2	86
Val-d'Or	1,155	861	74.5	294	25.4	175
Victoria Harbour	2,238	224	10.0	2,014	89.9	856
Wabush	1,655	1,479	89.3	176	10.6	294
Whitecourt	602	52	8.6	550	91.3	43
Williams Lake	548	424	77.3	124	22.6	54
Total of all flight service stations (51)	59,858	35,410	59.2	24,448	40.8	8,937

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	3,682	477	254	1,887	987	77
Boundary Bay	4,926	22	45	4,649	210	0
Calgary International	19,632	12,442	6,299	244	647	0
Calgary/Springbank	4,496	48	123	3,516	809	0
Chicoutimi/St-Honoré	1,536	1	78	1,249	208	0
Edmonton City Centre	3,519	237	924	1,826	532	0
Edmonton International	12,429	7,172	4,818	286	153	0
Edmonton/Villeneuve	912	12	13	797	90	0
Fort McMurray	4,138	1,124	1,537	594	883	0
Fredericton International	2,808	110	771	1,871	56	0
Gander International	1,455	289	639	400	127	0
Halifax/Robert L. Stanfield International	6,751	3,739	2,652	104	256	0
Hamilton	1,882	1,151	527	179	25	0
Kelowna	4,170	1,419	1,384	1,150	217	0
Kitchener/Waterloo	3,698	292	336	2,799	271	0
Langley	2,469	0	0	1,978	270	221
London	2,932	362	903	1,540	127	0
Moncton/Greater Moncton International	2,878	755	1,029	1,059	35	0
Montréal/Pierre Elliott Trudeau International	19,211	12,815	5,963	267	166	0
Montréal/St-Hubert	6,145	217	911	4,728	289	0
Oshawa	2,682	24	46	2,504	108	0
Ottawa/Macdonald-Cartier International	10,806	5,794	2,449	2,264	299	0
Pitt Meadows	2,740	4	7	2,308	421	0
Prince George	1,814	262	1,091	226	235	0
Québec/Jean Lesage International	7,081	1,377	3,706	1,225	773	0
Regina International	3,476	1,684	866	831	95	0
Saskatoon/John G. Diefenbaker International	5,474	1,740	2,125	1,482	127	0
Sault Ste. Marie	2,314	69	1,126	1,088	31	0
St. John's International	3,271	1,300	1,433	119	419	0
St-Jean	573	0	0	552	19	2
Thunder Bay	5,009	497	3,039	1,339	134	0
Toronto/Billy Bishop Toronto City	6,910	16	5,178	1,314	402	0
Toronto/Buttonville Municipal	4,563	61	290	3,945	265	2
Toronto/Lester B. Pearson International	36,836	30,448	6,362	25	1	0
Vancouver Harbour	4,019	0	2,349	963	707	0
Vancouver International	23,829	11,561	9,355	2,186	727	0
Victoria International	7,259	883	2,253	3,823	300	0
Whitehorse International	1,265	352	313	448	152	0
Windsor	1,324	134	613	565	12	0
Winnipeg/James Armstrong Richardson International	9,222	5,142	3,467	384	229	0
Winnipeg/St. Andrews	3,368	0	507	2,556	305	0
Yellowknife	3,852	736	2,317	175	624	0
Total of NAV CANADA towers (42)	257,356	104,768	78,098	61,445	12,743	302

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	369	16	120	219	14	0
Campbell River	1,239	32	631	328	248	0
Castlegar	594	22	185	330	57	0
Charlottetown	704	162	403	78	61	0
Churchill	636	126	500	0	10	0
Cranbrook	865	18	645	172	30	0
Deer Lake	1,457	145	1,165	50	97	0
Fort Nelson	1,059	46	374	143	496	0
Fort St. John	1,553	364	582	154	453	0
Grande Prairie	2,169	257	844	662	406	0
High Level	469	14	269	87	99	0
Îles-de-la-Madeleine	444	24	344	14	62	0
Inuvik/Mike Zubko	684	120	402	37	125	0
Iqaluit	1,332	320	970	18	24	0
Kamloops	2,034	134	929	746	225	0
Kenora	607	9	360	123	115	0
Kingston	1,576	19	503	989	65	0
Kuujuuaq	843	142	652	16	33	0
La Grande Rivière	621	103	496	18	4	0
La Ronge	1,257	4	989	212	52	0
Lethbridge	1,463	58	566	813	26	0
Lloydminster	823	20	277	465	59	2
Medicine Hat	1,004	27	550	389	38	0
Mont-Joli	671	16	626	21	8	0
Montréal/Mirabel International	892	503	223	30	136	0
Nanaimo	1,635	35	462	1,089	49	0
Norman Wells	1,034	212	289	126	407	0
North Bay	1,530	115	693	273	449	0
Ottawa/Gatineau	843	4	103	657	79	0
Peace River	591	14	382	101	94	0
Penticton	847	16	230	293	308	0
Port Hardy	652	7	387	172	86	0
Prince Albert	1,604	6	1,433	128	37	0
Prince Rupert	196	11	152	3	30	0
Rankin Inlet	884	250	618	0	16	0
Red Deer Regional	1,565	28	398	1,093	46	0
Rouyn-Noranda	1,073	117	901	43	12	0
Saint John	1,130	229	674	159	68	0
Sept-Îles	2,131	60	1,706	182	183	0
Sioux Lookout	2,566	0	2,062	464	40	0
Smithers	565	46	381	34	104	0
St. Catharines	1,315	14	23	919	359	0
Sudbury	2,441	47	1,568	537	289	0
Terrace	1,248	34	642	24	548	0
Thompson	2,359	156	1,876	178	149	0
Timmins	2,086	23	1,949	86	28	0
Val-d'Or	1,155	94	784	223	54	0
Victoria Harbour	2,238	0	1,530	88	620	0
Wabush	1,655	44	1,424	151	36	0
Whitecourt	602	6	36	106	454	0
Williams Lake	548	12	416	53	67	0
Total of all flight service stations (51)	59,858	4,281	34,724	13,296	7,555	2

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	2,582	328	154	59	17	90	443	9	0	0
Boundary Bay	4,734	169	20	1	2	0	0	0	0	0
Calgary International	569	394	1,467	2,166	873	4,273	8,330	731	247	582
Calgary/Springbank	4,040	239	193	22	0	0	2	0	0	0
Chicoutimi/St-Honoré	1,194	265	76	0	1	0	0	0	0	0
Edmonton City Centre	2,184	175	795	275	72	18	0	0	0	0
Edmonton International	213	281	1,095	1,209	679	3,113	5,190	330	135	184
Edmonton/Villeneuve	830	44	28	8	2	0	0	0	0	0
Fort McMurray	1,342	335	376	418	121	931	519	96	0	0
Fredericton International	1,894	96	71	222	130	367	22	2	0	4
Gander International	454	6	34	530	194	123	65	31	6	12
Halifax/Robert L. Stanfield International	60	200	362	972	1,040	1,405	2,184	184	173	171
Hamilton	169	213	171	336	104	52	278	4	441	114
Kelowna	1,164	194	297	515	51	903	1,046	0	0	0
Kitchener/Waterloo	2,995	102	324	78	24	114	59	2	0	0
Langley	2,414	40	15	0	0	0	0	0	0	0
London	1,565	107	132	157	537	279	153	2	0	0
Moncton/Greater Moncton International	1,058	102	148	319	60	673	226	0	292	0
Montréal/Pierre Elliott Trudeau International	290	106	568	532	2,517	6,867	5,259	1,625	0	1,447
Montréal/St-Hubert	4,597	340	624	404	158	15	5	2	0	0
Oshawa	2,506	111	36	26	0	0	0	3	0	0
Ottawa/Macdonald-Cartier International	2,293	88	796	340	606	3,073	3,108	248	35	219
Pitt Meadows	2,659	65	14	0	0	2	0	0	0	0
Prince George	340	103	201	581	10	397	182	0	0	0
Québec/Jean Lesage International	1,679	312	755	631	1,088	1,968	517	12	0	119
Regina International	706	228	284	417	37	909	824	2	63	6
Saskatoon/John G. Diefenbaker International	1,154	477	646	863	205	1,126	950	0	42	11
Sault Ste. Marie	1,105	72	572	73	229	238	25	0	0	0
St. John's International	125	29	224	620	774	357	854	190	80	18
St-Jean	571	2	0	0	0	0	0	0	0	0
Thunder Bay	1,312	192	2,064	205	108	893	231	4	0	0
Toronto/Billy Bishop Toronto City	1,447	103	309	229	4	4,814	0	4	0	0
Toronto/Buttonville Municipal	3,966	275	254	37	11	20	0	0	0	0
Toronto/Lester B. Pearson International	5	148	423	1,577	3,393	8,250	15,228	4,352	179	3,281
Vancouver Harbour	108	2,975	934	0	2	0	0	0	0	0
Vancouver International	452	3,306	830	2,681	1,911	5,010	6,483	915	268	1,973
Victoria International	3,445	780	161	421	763	1,078	572	7	32	0
Whitehorse International	540	98	121	89	6	259	152	0	0	0
Windsor	497	195	74	103	151	279	23	2	0	0
Winnipeg/James Armstrong Richardson International	403	280	2,408	299	706	1,717	2,521	168	592	128
Winnipeg/St. Andrews	2,696	603	69	0	0	0	0	0	0	0
Yellowknife	567	485	492	368	223	1,044	568	105	0	0
Total of NAV CANADA towers (42)	62,924	14,663	18,617	17,783	16,809	50,657	56,019	9,030	2,585	8,269

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	204	27	98	29	4	0	0	7	0	0
Campbell River	528	52	32	495	132	0	0	0	0	0
Castlegar	354	32	25	9	95	79	0	0	0	0
Charlottetown	58	138	42	186	58	78	140	4	0	0
Churchill	10	2	102	4	116	394	0	8	0	0
Cranbrook	142	56	23	404	78	160	2	0	0	0
Deer Lake	80	4	26	473	725	21	124	4	0	0
Fort Nelson	474	47	178	158	125	61	16	0	0	0
Fort St. John	552	55	180	278	131	347	10	0	0	0
Grande Prairie	829	245	327	66	22	496	184	0	0	0
High Level	176	26	134	129	2	2	0	0	0	0
Îles-de-la-Madeleine	8	65	107	114	122	28	0	0	0	0
Inuvik/Mike Zubko	124	38	257	78	13	74	98	2	0	0
Iqaluit	11	11	412	130	176	305	207	16	12	52
Kamloops	788	104	152	278	104	538	70	0	0	0
Kenora	133	21	447	4	0	0	0	2	0	0
Kingston	1,002	46	101	187	231	9	0	0	0	0
Kuujuuaq	35	14	510	0	14	140	112	0	0	18
La Grande Rivière	12	10	160	2	32	308	97	0	0	0
La Ronge	107	158	537	120	216	119	0	0	0	0
Lethbridge	745	102	124	446	34	10	2	0	0	0
Lloydminster	480	34	164	145	0	0	0	0	0	0
Medicine Hat	399	24	263	304	4	6	4	0	0	0
Mont-Joli	14	7	154	234	130	132	0	0	0	0
Montréal/Mirabel International	135	75	12	51	6	133	66	4	246	164
Nanaimo	795	343	44	44	130	279	0	0	0	0
Norman Wells	360	226	164	42	4	48	190	0	0	0
North Bay	711	54	427	123	160	35	20	0	0	0
Ottawa/Gatineau	649	81	36	69	0	2	2	4	0	0
Peace River	124	75	288	86	12	0	6	0	0	0
Penticton	449	162	29	18	14	175	0	0	0	0
Port Hardy	59	310	16	116	137	14	0	0	0	0
Prince Albert	127	33	215	490	323	414	0	2	0	0
Prince Rupert	11	14	30	20	43	78	0	0	0	0
Rankin Inlet	16	0	108	0	90	508	160	2	0	0
Red Deer Regional	1,023	114	182	116	58	50	20	2	0	0
Rouyn-Noranda	55	0	387	15	352	179	85	0	0	0
Saint John	128	174	122	216	170	280	40	0	0	0
Sept-Îles	209	148	512	322	407	509	18	6	0	0
Sioux Lookout	182	322	1,338	604	120	0	0	0	0	0
Smithers	131	21	46	184	31	152	0	0	0	0
St. Catharines	1,188	90	20	13	2	0	0	2	0	0
Sudbury	563	187	871	242	90	468	14	6	0	0
Terrace	294	279	107	185	142	237	4	0	0	0
Thompson	158	210	1,311	14	201	461	0	4	0	0
Timmins	58	151	1,027	43	340	467	0	0	0	0
Val-d'Or	253	22	347	22	321	108	72	0	10	0
Victoria Harbour	5	1,380	851	0	2	0	0	0	0	0
Wabush	31	154	220	499	400	341	8	2	0	0
Whitecourt	547	13	19	15	8	0	0	0	0	0
Williams Lake	104	16	8	414	0	6	0	0	0	0
Total of all flight service stations (51)	15,630	5,972	13,292	8,236	6,127	8,251	1,771	77	268	234

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	3,610	497	1,974	139	774	67	159
Transborder	61	12	9	0	40	0	0
Other international	11	11	0	0	0	0	0
Total	3,682	520	1,983	139	814	67	159
Boundary Bay							
Domestic	4,860	1	778	2,861	1,194	23	3
Transborder	65	2	4	28	29	0	2
Other international	1	0	0	0	1	0	0
Total	4,926	3	782	2,889	1,224	23	5
Calgary International							
Domestic	15,413	13,363	602	403	871	129	45
Transborder	3,449	3,069	84	12	279	2	3
Other international	770	760	2	3	5	0	0
Total	19,632	17,192	688	418	1,155	131	48
Calgary/Springbank							
Domestic	4,416	8	815	2,494	1,070	12	17
Transborder	80	0	5	7	68	0	0
Other international	0	0	0	0	0	0	0
Total	4,496	8	820	2,501	1,138	12	17
Chicoutimi/St-Honoré							
Domestic	1,536	612	42	740	142	0	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,536	612	42	740	142	0	0
Edmonton City Centre							
Domestic	3,486	640	394	1,307	607	532	6
Transborder	33	3	3	0	27	0	0
Other international	0	0	0	0	0	0	0
Total	3,519	643	397	1,307	634	532	6
Edmonton International							
Domestic	10,534	9,242	320	77	666	103	126
Transborder	1,576	1,440	32	27	73	1	3
Other international	319	316	0	0	2	0	1
Total	12,429	10,998	352	104	741	104	130
Edmonton/Villeneuve							
Domestic	903	0	82	507	310	4	0
Transborder	1	0	0	0	1	0	0
Other international	8	0	0	8	0	0	0
Total	912	0	82	515	311	4	0
Fort McMurray							
Domestic	4,124	1,901	1,386	106	676	51	4
Transborder	7	0	0	0	7	0	0
Other international	7	7	0	0	0	0	0
Total	4,138	1,908	1,386	106	683	51	4
Fredericton International							
Domestic	2,773	781	1,913	0	43	24	12
Transborder	20	5	3	0	7	0	5
Other international	15	15	0	0	0	0	0
Total	2,808	801	1,916	0	50	24	17
Gander International							
Domestic	1,283	1,105	79	3	16	32	48
Transborder	77	21	1	2	34	0	19
Other international	95	37	5	2	33	0	18
Total	1,455	1,163	85	7	83	32	85

Table 7-1 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Halifax/Robert L. Stanfield International							
Domestic	5,278	4,704	341	2	171	10	50
Transborder	960	856	5	1	89	0	9
Other international	513	479	2	1	20	0	11
Total	6,751	6,039	348	4	280	10	70
Hamilton							
Domestic	1,173	850	92	76	88	57	10
Transborder	610	478	42	1	89	0	0
Other international	99	86	9	1	3	0	0
Total	1,882	1,414	143	78	180	57	10
Kelowna							
Domestic	3,710	2,565	276	311	438	60	60
Transborder	397	312	6	1	77	0	1
Other international	63	61	0	2	0	0	0
Total	4,170	2,938	282	314	515	60	61
Kitchener/Waterloo							
Domestic	3,429	301	2,180	61	879	4	4
Transborder	260	138	39	0	83	0	0
Other international	9	6	0	1	2	0	0
Total	3,698	445	2,219	62	964	4	4
Langley							
Domestic	2,464	1	58	1,093	853	14	445
Transborder	5	0	0	2	3	0	0
Other international	0	0	0	0	0	0	0
Total	2,469	1	58	1,095	856	14	445
London							
Domestic	2,657	810	313	809	682	41	2
Transborder	222	146	8	0	67	1	0
Other international	53	52	0	0	1	0	0
Total	2,932	1,008	321	809	750	42	2
Moncton/Greater Moncton International							
Domestic	2,724	1,451	1,043	4	117	102	7
Transborder	83	71	2	0	8	2	0
Other international	71	71	0	0	0	0	0
Total	2,878	1,593	1,045	4	125	104	7
Montréal/Pierre Elliott Trudeau International							
Domestic	10,152	8,729	656	29	603	130	5
Transborder	6,447	5,904	137	13	393	0	0
Other international	2,612	2,535	49	7	19	1	1
Total	19,211	17,168	842	49	1,015	131	6
Montréal/St-Hubert							
Domestic	5,993	2,827	539	1,637	822	98	70
Transborder	148	27	3	0	117	0	1
Other international	4	0	0	1	2	0	1
Total	6,145	2,854	542	1,638	941	98	72
Oshawa							
Domestic	2,646	28	71	1,657	770	113	7
Transborder	34	3	3	0	28	0	0
Other international	2	0	0	0	2	0	0
Total	2,682	31	74	1,657	800	113	7
Ottawa/Macdonald-Cartier International							
Domestic	8,195	5,176	218	2,100	199	363	139
Transborder	2,087	1,945	24	6	86	16	10
Other international	524	503	2	3	7	1	8
Total	10,806	7,624	244	2,109	292	380	157

Table 7-1 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Pitt Meadows							
Domestic	2,727	7	932	440	1,322	26	0
Transborder	13	0	1	0	12	0	0
Other international	0	0	0	0	0	0	0
Total	2,740	7	933	440	1,334	26	0
Prince George							
Domestic	1,783	1,126	370	10	217	60	0
Transborder	21	2	0	0	19	0	0
Other international	10	10	0	0	0	0	0
Total	1,814	1,138	370	10	236	60	0
Québec/Jean Lesage International							
Domestic	6,159	3,274	1,603	415	550	280	37
Transborder	574	531	10	3	26	0	4
Other international	348	344	1	1	0	0	2
Total	7,081	4,149	1,614	419	576	280	43
Regina International							
Domestic	2,935	1,830	605	44	256	153	47
Transborder	437	363	3	5	64	1	1
Other international	104	104	0	0	0	0	0
Total	3,476	2,297	608	49	320	154	48
Saskatoon/John G. Diefenbaker International							
Domestic	5,016	3,092	1,018	263	317	280	46
Transborder	355	306	12	2	35	0	0
Other international	103	103	0	0	0	0	0
Total	5,474	3,501	1,030	265	352	280	46
Sault Ste. Marie							
Domestic	2,292	1,078	65	962	133	45	9
Transborder	16	2	2	0	12	0	0
Other international	6	5	0	0	1	0	0
Total	2,314	1,085	67	962	146	45	9
St. John's International							
Domestic	2,929	2,290	395	9	43	179	13
Transborder	153	77	0	3	17	0	56
Other international	189	105	5	5	20	0	54
Total	3,271	2,472	400	17	80	179	123
St-Jean							
Domestic	573	10	144	89	241	0	89
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	573	10	144	89	241	0	89
Thunder Bay							
Domestic	4,857	3,209	130	1,161	186	111	60
Transborder	126	74	0	24	28	0	0
Other international	26	26	0	0	0	0	0
Total	5,009	3,309	130	1,185	214	111	60
Toronto/Billy Bishop Toronto City							
Domestic	5,448	3,664	280	1,264	214	5	21
Transborder	1,460	1,391	6	1	61	0	1
Other international	2	0	0	1	1	0	0
Total	6,910	5,055	286	1,266	276	5	22
Toronto/Buttonville Municipal							
Domestic	4,433	121	2,230	49	1,885	148	0
Transborder	126	18	32	0	76	0	0
Other international	4	1	0	0	3	0	0
Total	4,563	140	2,262	49	1,964	148	0

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	14,247	13,643	275	12	305	4	8
Transborder	16,716	15,759	290	10	655	2	0
Other international	5,873	5,775	64	1	33	0	0
Total	36,836	35,177	629	23	993	6	8
Vancouver Harbour							
Domestic	4,016	3,710	278	1	25	0	2
Transborder	1	0	1	0	0	0	0
Other international	2	2	0	0	0	0	0
Total	4,019	3,712	279	1	25	0	2
Vancouver International							
Domestic	17,781	15,531	1,541	77	393	235	4
Transborder	4,405	4,072	50	31	248	0	4
Other international	1,643	1,627	4	5	7	0	0
Total	23,829	21,230	1,595	113	648	235	8
Victoria International							
Domestic	6,663	2,441	2,747	151	1,179	18	127
Transborder	553	438	29	3	83	0	0
Other international	43	42	0	1	0	0	0
Total	7,259	2,921	2,776	155	1,262	18	127
Whitehorse International							
Domestic	1,227	676	383	0	141	26	1
Transborder	37	7	1	0	28	1	0
Other international	1	0	0	0	1	0	0
Total	1,265	683	384	0	170	27	1
Windsor							
Domestic	1,211	481	458	25	235	8	4
Transborder	84	17	14	1	52	0	0
Other international	29	19	5	0	5	0	0
Total	1,324	517	477	26	292	8	4
Winnipeg/James Armstrong Richardson International							
Domestic	7,816	6,824	183	34	161	419	195
Transborder	1,109	1,010	15	5	74	2	3
Other international	297	287	4	0	5	0	1
Total	9,222	8,121	202	39	240	421	199
Winnipeg/St. Andrews							
Domestic	3,361	495	1,678	620	557	1	10
Transborder	7	0	0	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	3,368	495	1,678	620	564	1	10
Yellowknife							
Domestic	3,851	2,599	534	454	152	50	62
Transborder	0	0	0	0	0	0	0
Other international	1	0	0	1	0	0	0
Total	3,852	2,599	534	455	152	50	62
Total of NAV CANADA towers (42)							
Domestic	200,684	121,693	30,021	22,496	20,503	4,017	1,954
Transborder	42,815	38,499	876	188	3,102	28	122
Other international	13,857	13,389	152	44	173	2	97
Total	257,356	173,581	31,049	22,728	23,778	4,047	2,173

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	364	95	101	3	127	24	14
Transborder	5	0	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	369	95	101	3	132	24	14
Campbell River							
Domestic	1,221	615	155	194	242	15	0
Transborder	18	2	0	0	16	0	0
Other international	0	0	0	0	0	0	0
Total	1,239	617	155	194	258	15	0
Castlegar							
Domestic	572	174	89	277	28	2	2
Transborder	22	6	0	0	16	0	0
Other international	0	0	0	0	0	0	0
Total	594	180	89	277	44	2	2
Charlottetown							
Domestic	687	531	27	0	68	48	13
Transborder	7	4	0	0	3	0	0
Other international	10	8	2	0	0	0	0
Total	704	543	29	0	71	48	13
Churchill							
Domestic	635	599	14	4	8	2	8
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	636	600	14	4	8	2	8
Cranbrook							
Domestic	848	672	29	10	129	0	8
Transborder	16	2	0	0	14	0	0
Other international	1	1	0	0	0	0	0
Total	865	675	29	10	143	0	8
Deer Lake							
Domestic	1,450	1,285	22	2	19	61	61
Transborder	2	2	0	0	0	0	0
Other international	5	5	0	0	0	0	0
Total	1,457	1,292	22	2	19	61	61
Fort Nelson							
Domestic	1,059	409	573	0	73	2	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,059	409	573	0	73	2	2
Fort St. John							
Domestic	1,551	799	521	4	210	13	4
Transborder	2	1	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,553	800	521	4	211	13	4
Grande Prairie							
Domestic	2,166	1,039	659	17	427	22	2
Transborder	3	1	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	2,169	1,040	659	17	429	22	2
High Level							
Domestic	469	319	101	12	15	22	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	469	319	101	12	15	22	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	444	316	32	0	0	96	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	444	316	32	0	0	96	0
Inuvik/Mike Zubko							
Domestic	683	521	125	0	9	22	6
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	684	521	125	0	10	22	6
Iqaluit							
Domestic	1,278	1,119	31	50	31	35	12
Transborder	7	5	0	0	2	0	0
Other international	47	19	3	2	23	0	0
Total	1,332	1,143	34	52	56	35	12
Kamloops							
Domestic	2,000	976	420	232	316	38	18
Transborder	34	2	2	1	29	0	0
Other international	0	0	0	0	0	0	0
Total	2,034	978	422	233	345	38	18
Kenora							
Domestic	605	319	107	115	31	16	17
Transborder	2	0	0	0	0	0	2
Other international	0	0	0	0	0	0	0
Total	607	319	107	115	31	16	19
Kingston							
Domestic	1,548	452	399	337	340	2	18
Transborder	28	0	3	0	25	0	0
Other international	0	0	0	0	0	0	0
Total	1,576	452	402	337	365	2	18
Kuujuuaq							
Domestic	843	776	43	8	2	12	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	843	776	43	8	2	12	2
La Grande Rivière							
Domestic	613	456	111	6	28	12	0
Transborder	8	0	0	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	621	456	111	6	36	12	0
La Ronge							
Domestic	1,257	1,153	23	0	36	45	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,257	1,153	23	0	36	45	0
Lethbridge							
Domestic	1,387	514	27	476	344	10	16
Transborder	75	9	6	3	55	0	2
Other international	1	1	0	0	0	0	0
Total	1,463	524	33	479	399	10	18
Lloydminster							
Domestic	821	204	327	18	220	30	22
Transborder	2	1	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	823	205	327	18	221	30	22

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	998	552	87	172	167	4	16
Transborder	6	0	0	1	5	0	0
Other international	0	0	0	0	0	0	0
Total	1,004	552	87	173	172	4	16
Mont-Joli							
Domestic	670	501	104	5	30	24	6
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	671	502	104	5	30	24	6
Montréal/Mirabel International							
Domestic	677	462	72	1	131	4	7
Transborder	210	196	0	1	13	0	0
Other international	5	4	0	0	1	0	0
Total	892	662	72	2	145	4	7
Nanaimo							
Domestic	1,610	431	532	36	569	40	2
Transborder	23	2	4	3	14	0	0
Other international	2	0	0	2	0	0	0
Total	1,635	433	536	41	583	40	2
Norman Wells							
Domestic	1,032	603	405	6	0	16	2
Transborder	2	0	2	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,034	603	407	6	0	16	2
North Bay							
Domestic	1,516	655	262	288	193	37	81
Transborder	9	0	0	0	9	0	0
Other international	5	5	0	0	0	0	0
Total	1,530	660	262	288	202	37	81
Ottawa/Gatineau							
Domestic	840	98	57	151	510	19	5
Transborder	3	0	1	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	843	98	58	151	512	19	5
Peace River							
Domestic	591	421	110	2	44	14	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	591	421	110	2	44	14	0
Penticton							
Domestic	844	197	360	42	217	8	20
Transborder	3	0	1	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	847	197	361	42	219	8	20
Port Hardy							
Domestic	639	498	22	4	39	54	22
Transborder	13	0	0	0	13	0	0
Other international	0	0	0	0	0	0	0
Total	652	498	22	4	52	54	22
Prince Albert							
Domestic	1,604	1,348	34	10	86	110	16
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,604	1,348	34	10	86	110	16

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	189	166	2	0	4	17	0
Transborder	7	0	0	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	196	166	2	0	11	17	0
Rankin Inlet							
Domestic	884	852	16	0	0	12	4
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	884	852	16	0	0	12	4
Red Deer Regional							
Domestic	1,559	260	515	136	604	26	18
Transborder	6	0	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	1,565	260	515	136	610	26	18
Rouyn-Noranda							
Domestic	1,066	711	223	9	93	30	0
Transborder	0	0	0	0	0	0	0
Other international	7	7	0	0	0	0	0
Total	1,073	718	223	9	93	30	0
Saint John							
Domestic	1,009	709	46	18	227	5	4
Transborder	93	0	0	0	93	0	0
Other international	28	23	1	0	4	0	0
Total	1,130	732	47	18	324	5	4
Sept-Îles							
Domestic	2,125	1,381	531	31	86	80	16
Transborder	6	1	2	1	2	0	0
Other international	0	0	0	0	0	0	0
Total	2,131	1,382	533	32	88	80	16
Sioux Lookout							
Domestic	2,560	2,007	181	290	14	68	0
Transborder	5	4	1	0	0	0	0
Other international	1	0	0	1	0	0	0
Total	2,566	2,011	182	291	14	68	0
Smithers							
Domestic	562	338	131	18	67	8	0
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	565	338	131	18	70	8	0
St. Catharines							
Domestic	1,291	8	867	8	389	17	2
Transborder	24	4	3	0	17	0	0
Other international	0	0	0	0	0	0	0
Total	1,315	12	870	8	406	17	2
Sudbury							
Domestic	2,431	1,536	270	287	250	80	8
Transborder	8	0	1	1	6	0	0
Other international	2	1	0	1	0	0	0
Total	2,441	1,537	271	289	256	80	8
Terrace							
Domestic	1,246	562	611	4	41	28	0
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,248	562	611	4	43	28	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	2,359	1,886	302	5	21	145	0	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	2,359	1,886	302	5	21	145	0	
Timmins								
Domestic	2,086	1,849	91	4	109	33	0	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	2,086	1,849	91	4	109	33	0	
Val-d'Or								
Domestic	1,154	852	65	31	188	18	0	
Transborder	1	0	0	0	1	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,155	852	65	31	189	18	0	
Victoria Harbour								
Domestic	2,043	1,941	10	0	9	81	2	
Transborder	195	195	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	2,238	2,136	10	0	9	81	2	
Wabush								
Domestic	1,652	1,363	216	12	34	18	9	
Transborder	3	2	1	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,655	1,365	217	12	34	18	9	
Whitecourt								
Domestic	601	29	352	126	88	6	0	
Transborder	1	1	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	602	30	352	126	88	6	0	
Williams Lake								
Domestic	548	408	72	4	50	8	6	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	548	408	72	4	50	8	6	
Total of all flight service stations (51)								
Domestic	58,887	35,967	10,482	3,465	6,963	1,539	471	
Transborder	857	442	27	11	373	0	4	
Other international	114	74	6	6	28	0	0	
Total	59,858	36,483	10,515	3,482	7,364	1,539	475	

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	10	11,728	28	11	122	28	649
Boundary Bay	11	11,618	28	13	105	9	729
Calgary International	3	19,736	7	18	60	13	774
Calgary/Springbank	9	12,700	9	15	111	9	774
Chicoutimi/St-Honoré	25	5,524	22	13	114	22	468
Edmonton City Centre	33	4,187	8	16	41	8	267
Edmonton International	8	12,721	19	8	47	27	536
Edmonton/Villeneuve	27	5,008	5	15	65	27	343
Fort McMurray	32	4,488	6	14	34	27	221
Fredericton International	22	6,044	28	16	64	21	431
Gander International	39	2,293	7	11	35	7	264
Halifax/Robert L. Stanfield International	21	6,989	14	13	28	14	274
Hamilton	37	2,648	8	12	27	8	167
Kelowna	24	5,688	22	15	48	28	273
Kitchener/Waterloo	18	8,314	17	20	110	9	659
Langley	26	5,051	21	10	67	28	334
London	23	5,902	25	21	89	9	423
Moncton/Greater Moncton International	34	4,100	11	16	37	29	280
Montréal/Pierre Elliott Trudeau International	4	19,277	28	18	62	28	715
Montréal/St-Hubert	5	14,696	9	14	136	25	1,168
Oshawa	30	4,620	9	16	55	9	356
Ottawa/Macdonald-Cartier International	6	14,284	20	11	78	26	667
Pitt Meadows	19	8,098	19	14	92	23	597
Prince George	38	2,384	4	16	45	31	158
Québec/Jean Lesage International	13	10,089	15	14	81	15	647
Regina International	28	4,736	14	11	47	26	238
Saskatoon/John G. Diefenbaker International	20	7,780	19	20	69	13	450
Sault Ste. Marie	29	4,674	24	9	67	14	289
St. John's International	36	3,489	12	13	23	12	201
St-Jean	42	1,899	9	19	41	9	249
Thunder Bay	17	8,793	6	14	76	22	581
Toronto/Billy Bishop Toronto City	15	9,128	9	17	62	30	537
Toronto/Buttonville Municipal	14	9,257	9	12	106	8	750
Toronto/Lester B. Pearson International	1	36,924	28	18	109	22	1,337
Vancouver Harbour	35	4,025	12	8	24	27	180
Vancouver International	2	23,851	4	16	71	28	870
Victoria International	7	13,035	3	12	79	26	659
Whitehorse International	40	1,985	29	15	32	5	134
Windsor	41	1,940	2	14	39	9	137
Winnipeg/James Armstrong Richardson International	12	10,168	21	16	37	20	434
Winnipeg/St. Andrews	16	9,016	25	14	91	9	615
Yellowknife	31	4,604	9	16	62	9	357

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	36	911	26	20	25	14	127
Campbell River	18	2,107	4	16	50	4	175
Castlegar	35	974	26	11	32	26	108
Charlottetown	39	772	14	12	10	11	36
Churchill	44	668	13	18	19	13	43
Cranbrook	34	991	16	10	22	27	61
Deer Lake	24	1,571	8	10	20	12	74
Fort Nelson	30	1,331	11	16	21	27	103
Fort St. John	7	3,025	23	10	74	23	296
Grande Prairie	1	3,623	25	15	53	8	199
High Level	49	499	28	14	15	11	36
Îles-de-la-Madeleine	50	470	6	14	12	6	44
Inuvik/Mike Zubko	41	692	20	13	9	20	39
Iqaluit	29	1,342	7	12	11	22	66
Kamloops	5	3,148	16	12	40	26	210
Kenora	40	765	12	17	19	12	78
Kingston	9	2,863	9	11	55	9	233
Kuujuuaq	38	889	16	10	10	21	48
La Grande Rivière	45	641	26	13	14	11	35
La Ronge	27	1,395	28	14	17	13	87
Lethbridge	14	2,353	29	14	43	8	153
Lloydminster	31	1,241	1	18	24	1	110
Medicine Hat	28	1,362	19	17	32	19	91
Mont-Joli	43	687	1	18	7	18	40
Montréal/Mirabel International	17	2,214	8	14	33	8	141
Nanaimo	11	2,801	22	16	49	22	222
Norman Wells	33	1,080	4	11	16	18	56
North Bay	2	3,466	26	14	64	26	356
Ottawa/Gatineau	8	2,963	16	14	47	16	246
Peace River	48	607	18	13	7	18	37
Penticton	20	1,759	13	12	37	26	133
Port Hardy	42	688	25	8	15	13	41
Prince Albert	22	1,639	12	11	18	12	88
Prince Rupert	51	200	15	11	5	18	14
Rankin Inlet	37	894	10	14	9	27	46
Red Deer Regional	4	3,203	23	14	66	23	292
Rouyn-Noranda	32	1,095	19	16	9	26	71
Saint John	26	1,404	9	10	21	16	92
Sept-Îles	10	2,848	11	11	43	19	168
Sioux Lookout	12	2,578	7	8	16	20	130
Smithers	46	631	17	18	25	5	39
St. Catharines	6	3,143	30	15	70	30	336
Sudbury	3	3,243	21	15	40	28	214
Terrace	23	1,578	11	15	29	11	96
Thompson	13	2,421	13	10	22	12	113
Timmins	16	2,238	27	9	31	26	145
Val-d'Or	25	1,473	25	16	26	25	111
Victoria Harbour	15	2,244	7	8	15	7	105
Wabush	21	1,655	5	11	12	19	77
Whitecourt	19	1,994	12	9	43	12	142
Williams Lake	47	610	29	15	9	31	30

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	23	3,682	26	13	33	26	205
Boundary Bay	15	4,926	23	15	43	23	309
Calgary International	3	19,632	7	18	60	13	768
Calgary/Springbank	17	4,496	30	13	37	9	268
Chicoutimi/St-Honoré	37	1,536	28	13	19	15	128
Edmonton City Centre	24	3,519	8	16	25	8	187
Edmonton International	5	12,429	20	8	47	27	526
Edmonton/Villeneuve	41	912	31	15	41	31	181
Fort McMurray	19	4,138	12	8	22	27	205
Fredericton International	30	2,808	28	17	21	19	179
Gander International	38	1,455	5	10	11	7	94
Halifax/Robert L. Stanfield International	11	6,751	8	17	22	11	245
Hamilton	35	1,882	5	1	10	14	99
Kelowna	18	4,170	9	11	23	28	195
Kitchener/Waterloo	22	3,698	9	14	79	9	601
Langley	33	2,469	31	15	42	30	267
London	28	2,932	9	15	32	24	202
Moncton/Greater Moncton International	29	2,878	29	12	23	29	178
Montréal/Pierre Elliott Trudeau International	4	19,211	28	18	62	28	715
Montréal/St-Hubert	12	6,145	9	15	56	9	434
Oshawa	32	2,682	30	13	33	30	224
Ottawa/Macdonald-Cartier International	6	10,806	8	15	40	25	447
Pitt Meadows	31	2,740	23	12	34	9	207
Prince George	36	1,814	21	8	13	27	86
Québec/Jean Lesage International	9	7,081	8	15	34	15	365
Regina International	25	3,476	8	16	20	12	158
Saskatoon/John G. Diefenbaker International	13	5,474	12	14	29	12	272
Sault Ste. Marie	34	2,314	4	17	15	8	118
St. John's International	27	3,271	23	12	21	23	187
St-Jean	42	573	9	12	10	9	65
Thunder Bay	14	5,009	1	16	26	27	252
Toronto/Billy Bishop Toronto City	10	6,910	30	14	38	28	290
Toronto/Buttonville Municipal	16	4,563	9	10	59	9	504
Toronto/Lester B. Pearson International	1	36,836	28	18	109	28	1,324
Vancouver Harbour	20	4,019	12	8	24	27	180
Vancouver International	2	23,829	4	16	71	28	866
Victoria International	8	7,259	3	13	33	28	302
Whitehorse International	40	1,265	4	15	11	27	70
Windsor	39	1,324	23	11	13	30	78
Winnipeg/James Armstrong Richardson International	7	9,222	27	15	30	13	382
Winnipeg/St. Andrews	26	3,368	9	11	79	9	597
Yellowknife	21	3,852	9	16	46	9	289

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	50	369	19	14	8	19	30
Campbell River	22	1,239	29	16	15	25	70
Castlegar	44	594	25	9	9	26	50
Charlottetown	36	704	30	10	7	10	31
Churchill	40	636	5	9	6	27	32
Cranbrook	31	865	8	16	7	27	47
Deer Lake	17	1,457	15	8	10	13	69
Fort Nelson	26	1,059	27	9	12	27	79
Fort St. John	14	1,553	15	12	27	15	82
Grande Prairie	5	2,169	1	13	14	19	102
High Level	48	469	28	14	9	11	32
Îles-de-la-Madeleine	49	444	6	17	6	19	32
Inuvik/Mike Zubko	37	684	20	13	9	20	39
Iqaluit	18	1,332	6	17	10	22	66
Kamloops	8	2,034	23	14	16	23	106
Kenora	42	607	6	9	8	13	37
Kingston	12	1,576	30	14	18	30	113
Kuujuuaq	34	843	21	16	10	4	44
La Grande Rivière	41	621	30	11	8	11	35
La Ronge	20	1,257	20	8	13	13	67
Lethbridge	16	1,463	8	15	14	9	82
Lloydminster	35	823	29	12	13	29	55
Medicine Hat	28	1,004	27	15	12	27	57
Mont-Joli	38	671	1	18	7	18	40
Montréal/Mirabel International	29	892	15	10	9	15	51
Nanaimo	10	1,635	23	13	14	8	89
Norman Wells	27	1,034	4	11	12	18	54
North Bay	15	1,530	25	12	17	26	110
Ottawa/Gatineau	33	843	17	16	14	9	73
Peace River	45	591	18	13	7	6	35
Penticton	32	847	9	14	9	26	51
Port Hardy	39	652	28	15	8	13	41
Prince Albert	11	1,604	5	13	13	6	83
Prince Rupert	51	196	1	10	4	18	14
Rankin Inlet	30	884	10	14	9	27	46
Red Deer Regional	13	1,565	9	11	17	9	110
Rouyn-Noranda	25	1,073	19	16	9	12	67
Saint John	24	1,130	12	15	7	18	57
Sept-Îles	6	2,131	8	10	14	15	107
Sioux Lookout	1	2,566	7	8	16	20	130
Smithers	46	565	5	14	18	5	39
St. Catharines	19	1,315	30	15	26	30	132
Sudbury	2	2,441	17	14	15	14	121
Terrace	21	1,248	22	17	16	22	65
Thompson	3	2,359	19	10	17	12	113
Timmins	7	2,086	1	12	16	28	113
Val-d'Or	23	1,155	18	7	10	25	67
Victoria Harbour	4	2,238	7	8	15	7	105
Wabush	9	1,655	5	11	12	19	77
Whitecourt	43	602	5	16	10	12	40
Williams Lake	47	548	11	9	8	11	26

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	3	8,046	28	11	100	28	450
Boundary Bay	4	6,692	27	20	82	9	434
Calgary International	38	104	3	11	8	28	16
Calgary/Springbank	2	8,204	11	15	90	9	506
Chicoutimi/St-Honoré	11	3,988	22	13	102	22	366
Edmonton City Centre	31	668	10	11	22	8	80
Edmonton International	35	292	17	13	12	31	26
Edmonton/Villeneuve	10	4,096	5	15	64	27	310
Fort McMurray	34	350	1	11	16	9	38
Fredericton International	14	3,236	28	16	48	21	264
Gander International	27	838	11	19	28	7	170
Halifax/Robert L. Stanfield International	36	238	14	13	14	14	34
Hamilton	28	766	8	12	26	8	82
Kelowna	22	1,518	22	15	36	22	96
Kitchener/Waterloo	9	4,616	17	20	100	17	422
Langley	17	2,582	11	10	58	28	226
London	16	2,970	25	21	78	23	288
Moncton/Greater Moncton International	25	1,222	31	14	26	31	150
Montréal/Pierre Elliott Trudeau International	40	66	2	11	4	8	10
Montréal/St-Hubert	1	8,551	5	14	108	25	786
Oshawa	21	1,938	6	13	38	9	164
Ottawa/Macdonald-Cartier International	13	3,478	20	11	46	26	220
Pitt Meadows	7	5,358	21	15	76	23	396
Prince George	33	570	4	16	40	31	106
Québec/Jean Lesage International	15	3,008	15	14	58	15	282
Regina International	24	1,260	14	11	38	9	110
Saskatoon/John G. Diefenbaker International	19	2,306	19	20	56	13	186
Sault Ste. Marie	18	2,360	24	9	60	16	180
St. John's International	37	218	12	14	18	12	66
St-Jean	23	1,326	9	19	36	9	184
Thunder Bay	12	3,784	6	14	60	22	360
Toronto/Billy Bishop Toronto City	20	2,218	9	17	38	30	290
Toronto/Buttonville Municipal	8	4,694	8	11	72	8	430
Toronto/Lester B. Pearson International	39	88	22	12	12	22	26
Vancouver Harbour	42	6	19	15	2	19	2
Vancouver International	41	22	28	15	4	28	4
Victoria International	5	5,776	6	19	54	26	364
Whitehorse International	30	720	29	15	28	5	86
Windsor	32	616	2	14	36	9	70
Winnipeg/James Armstrong Richardson International	26	946	6	12	14	20	64
Winnipeg/St. Andrews	6	5,648	25	14	72	22	392
Yellowknife	29	752	3	16	30	4	72

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	17	542	26	20	22	14	102
Campbell River	14	868	4	16	42	4	106
Castlegar	19	380	15	12	28	26	58
Charlottetown	30	68	11	23	6	17	14
Churchill	38	32	13	18	18	13	22
Cranbrook	28	126	16	10	18	16	24
Deer Lake	29	114	8	10	18	9	24
Fort Nelson	24	272	29	13	16	29	54
Fort St. John	5	1,472	23	10	68	23	236
Grande Prairie	6	1,454	24	10	44	25	116
High Level	39	30	24	20	8	24	8
Îles-de-la-Madeleine	40	26	6	14	8	6	14
Inuvik/Mike Zubko	48	8	1	10	4	1	4
Iqaluit	46	10	28	14	4	28	4
Kamloops	11	1,114	1	13	28	26	104
Kenora	25	158	12	17	18	12	46
Kingston	9	1,287	9	11	40	9	134
Kuujuuaq	35	46	16	10	6	16	12
La Grande Rivière	42	20	26	13	10	26	10
La Ronge	27	138	13	20	10	13	20
Lethbridge	13	890	29	14	38	27	82
Lloydminster	18	418	1	18	20	1	70
Medicine Hat	20	358	19	17	26	19	54
Mont-Joli	43	16	3	11	2	3	4
Montréal/Mirabel International	8	1,322	8	14	30	8	96
Nanaimo	10	1,166	22	16	40	22	140
Norman Wells	34	46	3	16	4	19	8
North Bay	2	1,936	26	14	50	26	246
Ottawa/Gatineau	1	2,120	26	20	42	16	184
Peace River	44	16	24	16	4	24	4
Penticton	12	912	13	12	34	26	82
Port Hardy	36	36	25	8	10	25	10
Prince Albert	37	35	11	20	10	11	14
Prince Rupert	50	4	5	11	2	5	2
Rankin Inlet	47	10	6	14	2	26	6
Red Deer Regional	4	1,638	23	14	54	23	200
Rouyn-Noranda	41	22	25	15	4	25	4
Saint John	23	274	9	10	18	16	58
Sept-Îles	16	717	11	11	36	19	94
Sioux Lookout	45	12	25	15	10	25	10
Smithers	31	66	17	18	22	17	22
St. Catharines	3	1,828	8	16	48	30	204
Sudbury	15	802	21	15	30	28	100
Terrace	21	330	9	12	22	3	48
Thompson	32	62	13	10	16	13	18
Timmins	26	152	24	13	24	26	34
Val-d'Or	22	318	25	15	20	25	44
Victoria Harbour	49	6	8	12	4	8	4
Wabush	0	0	0	0	0	0	0
Whitecourt	7	1,392	15	16	38	15	120
Williams Lake	33	62	4	22	8	4	8

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	3	8,026	28	11	100	28	450
Boundary Bay	4	6,692	27	20	82	9	434
Calgary International	38	102	3	11	8	28	16
Calgary/Springbank	2	8,204	11	15	90	9	506
Chicoutimi/St-Honoré	11	3,988	22	13	102	22	366
Edmonton City Centre	31	668	10	11	22	8	80
Edmonton International	35	256	22	22	12	31	26
Edmonton/Villeneuve	10	4,096	5	15	64	27	310
Fort McMurray	34	348	1	11	16	9	38
Fredericton International	14	3,230	28	16	48	21	264
Gander International	27	838	11	19	28	7	170
Halifax/Robert L. Stanfield International	36	236	14	13	14	14	34
Hamilton	28	762	8	12	26	8	82
Kelowna	22	1,494	22	15	36	13	90
Kitchener/Waterloo	9	4,616	17	20	100	17	422
Langley	17	2,582	11	10	58	28	226
London	16	2,968	25	21	78	23	288
Moncton/Greater Moncton International	24	1,222	31	14	26	31	150
Montréal/Pierre Elliott Trudeau International	40	66	2	11	4	8	10
Montréal/St-Hubert	1	8,551	5	14	108	25	786
Oshawa	21	1,936	6	13	38	9	164
Ottawa/Macdonald-Cartier International	13	3,472	20	11	46	26	220
Pitt Meadows	7	5,358	21	15	76	23	396
Prince George	33	568	4	16	40	31	106
Québec/Jean Lesage International	15	3,002	15	14	58	15	282
Regina International	25	1,112	14	11	38	9	110
Saskatoon/John G. Diefenbaker International	20	2,214	19	20	56	13	186
Sault Ste. Marie	18	2,354	24	9	60	16	180
St. John's International	37	218	12	14	18	12	66
St-Jean	23	1,326	9	19	36	9	184
Thunder Bay	12	3,748	6	14	60	22	360
Toronto/Billy Bishop Toronto City	19	2,218	9	17	38	30	290
Toronto/Buttonville Municipal	8	4,694	8	11	72	8	430
Toronto/Lester B. Pearson International	39	88	22	12	12	22	26
Vancouver Harbour	42	6	19	15	2	19	2
Vancouver International	41	22	28	15	4	28	4
Victoria International	5	5,770	6	19	54	26	364
Whitehorse International	30	720	29	15	28	5	86
Windsor	32	612	2	14	36	9	70
Winnipeg/James Armstrong Richardson International	26	926	6	12	14	20	64
Winnipeg/St. Andrews	6	5,648	25	14	72	22	392
Yellowknife	29	752	3	16	30	4	72

Table 11-2
Local movements - civil, peak hour and peak day — NAV CANADA flight service stations

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	17	542	26	20	22	14	102
Campbell River	14	862	4	16	42	4	106
Castlegar	19	380	15	12	28	26	58
Charlottetown	30	66	11	23	6	17	14
Churchill	37	32	13	18	18	13	22
Cranbrook	28	126	16	10	18	16	24
Deer Lake	29	114	8	10	18	9	24
Fort Nelson	23	272	29	13	16	29	54
Fort St. John	5	1,472	23	10	68	23	236
Grande Prairie	6	1,454	24	10	44	25	116
High Level	39	30	24	20	8	24	8
Îles-de-la-Madeleine	40	22	6	14	8	6	14
Inuvik/Mike Zubko	48	8	1	10	4	1	4
Iqaluit	46	10	28	14	4	28	4
Kamloops	11	1,110	1	13	28	26	104
Kenora	25	154	12	17	18	12	46
Kingston	9	1,287	9	11	40	9	134
Kuujuuaq	34	46	16	10	6	16	12
La Grande Rivière	42	20	26	13	10	26	10
La Ronge	27	138	13	20	10	13	20
Lethbridge	13	890	29	14	38	27	82
Lloydminster	18	418	1	18	20	1	70
Medicine Hat	20	356	19	17	26	19	54
Mont-Joli	44	16	3	11	2	3	4
Montréal/Mirabel International	8	1,306	8	14	30	8	96
Nanaimo	10	1,166	22	16	40	22	140
Norman Wells	35	46	3	16	4	19	8
North Bay	2	1,924	26	14	50	26	246
Ottawa/Gatineau	1	2,120	26	20	42	16	184
Peace River	43	16	24	16	4	24	4
Penticton	12	912	13	12	34	26	82
Port Hardy	38	32	25	8	10	25	10
Prince Albert	36	35	11	20	10	11	14
Prince Rupert	50	4	5	11	2	5	2
Rankin Inlet	47	10	6	14	2	26	6
Red Deer Regional	4	1,638	23	14	54	23	200
Rouyn-Noranda	41	22	25	15	4	25	4
Saint John	24	270	9	10	18	16	58
Sept-Îles	16	703	11	11	36	19	94
Sioux Lookout	45	12	25	15	10	25	10
Smithers	31	66	17	18	22	17	22
St. Catharines	3	1,826	8	16	48	30	204
Sudbury	15	802	21	15	30	28	100
Terrace	21	330	9	12	22	3	48
Thompson	33	62	13	10	16	13	18
Timmins	26	152	24	13	24	26	34
Val-d'Or	22	314	25	15	20	25	44
Victoria Harbour	49	6	8	12	4	8	4
Wabush	0	0	0	0	0	0	0
Whitecourt	7	1,392	15	16	38	15	120
Williams Lake	32	62	4	22	8	4	8

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	6	20	29	13	10	29	10
Boundary Bay	0	0	0	0	0	0	0
Calgary International	15	2	30	12	2	30	2
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	3	36	17	13	12	17	12
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	17	2	26	11	2	26	2
Fredericton International	8	6	23	12	6	23	6
Gander International	0	0	0	0	0	0	0
Halifax/Robert L. Stanfield International	16	2	22	7	2	22	2
Hamilton	13	4	29	13	4	29	4
Kelowna	5	24	22	10	10	22	10
Kitchener/Waterloo	0	0	0	0	0	0	0
Langley	0	0	0	0	0	0	0
London	18	2	15	13	2	15	2
Moncton/Greater Moncton International	0	0	0	0	0	0	0
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	0	0	0	0	0	0	0
Oshawa	20	2	15	14	2	15	2
Ottawa/Macdonald-Cartier International	9	6	4	16	2	4	2
Pitt Meadows	0	0	0	0	0	0	0
Prince George	19	2	28	18	2	28	2
Québec/Jean Lesage International	11	6	20	14	4	20	4
Regina International	1	148	28	10	8	5	18
Saskatoon/John G. Diefenbaker International	2	92	5	11	28	5	46
Sault Ste. Marie	10	6	8	17	4	8	4
St. John's International	0	0	0	0	0	0	0
St-Jean	0	0	0	0	0	0	0
Thunder Bay	4	36	29	13	16	29	16
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	12	6	1	15	4	1	4
Whitehorse International	0	0	0	0	0	0	0
Windsor	14	4	29	16	4	29	4
Winnipeg/James Armstrong Richardson International	7	20	30	23	12	30	12
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	0	0	0	0	0	0	0

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	0	0	0	0	0	0	0
Campbell River	4	6	18	12	2	18	2
Castlegar	0	0	0	0	0	0	0
Charlottetown	11	2	11	13	2	11	2
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	5	4	8	15	2	8	2
Inuvik/Mike Zubko	0	0	0	0	0	0	0
Iqaluit	0	0	0	0	0	0	0
Kamloops	7	4	22	11	4	22	4
Kenora	6	4	6	9	4	6	4
Kingston	0	0	0	0	0	0	0
Kuujuuaq	0	0	0	0	0	0	0
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	0	0	0	0	0	0	0
Lethbridge	0	0	0	0	0	0	0
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	12	2	1	11	2	1	2
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	1	16	18	11	8	18	8
Nanaimo	0	0	0	0	0	0	0
Norman Wells	0	0	0	0	0	0	0
North Bay	3	12	5	18	2	6	4
Ottawa/Gatineau	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	0
Penticton	0	0	0	0	0	0	0
Port Hardy	9	4	26	14	2	26	2
Prince Albert	0	0	0	0	0	0	0
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	0	0	0	0	0	0	0
Rouyn-Noranda	0	0	0	0	0	0	0
Saint John	8	4	22	8	2	22	2
Sept-Îles	2	14	3	12	14	3	14
Sioux Lookout	0	0	0	0	0	0	0
Smithers	0	0	0	0	0	0	0
St. Catharines	13	2	15	14	2	15	2
Sudbury	0	0	0	0	0	0	0
Terrace	0	0	0	0	0	0	0
Thompson	0	0	0	0	0	0	0
Timmins	0	0	0	0	0	0	0
Val-d'Or	10	4	5	17	2	5	2
Victoria Harbour	0	0	0	0	0	0	0
Wabush	0	0	0	0	0	0	0
Whitecourt	0	0	0	0	0	0	0
Williams Lake	0	0	0	0	0	0	0

Methodology

Survey universe

Coverage

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

Methodology survey

The Itinerant movement record is designed to capture:

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

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

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

Processing of aircraft movement statistics involves several stages. Monthly data by class of operation are released in Aircraft movement statistics - Monthly report, catalogue nos. 51-007-X and 51-008-X (TP-141). Annual tables, which may reflect revisions, are released in the two annual publications, catalogue 51-209-X Aircraft movement statistics – NAV CANADA Towers and Flight Service Stations: Annual report (TP-577) and catalogue 51-210-X Aircraft movement statistics – Airports Without Air Traffic Control Towers: Annual report (TP-577). In particular, data on itinerant movements by type of operation may reflect revisions as various sources of comparative information (data collected from commercial air carriers by the Aviation Statistics Centre, Statistics Canada) become available during the processing cycle. Finally, when revisions are required after the release of 51-209-X and 51-210-X, they are contained in the five year historical summary of subsequent editions of these reports. These revisions are also reflected in the CANSIM tables, both monthly and annual.

The records are completed daily, based on a twenty-four hour clock running from zero hour to 23:59. The times recorded are Coordinated Universal Time (UTC); however, published statistics are shown in local times. The records are transmitted to the Aviation Statistics Centre.

The Aviation Statistics Centre maintains a data base of parameter files of current information on all registered aircraft. The storage of this information reduces the reporting burden of the survey respondents and limits the element of human error associated with the preparation of source documents.

Other parameter files information includes registered aircraft identifications and their corresponding aircraft types, maximum take-off weights, types of power plant (piston, jet or turboprop); whether the aircraft are fixed wing, helicopters or gliders. This information also provides a basis for identifying type of flights (commercial, private and government) and the geographical area in which the flights take place.

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

Data quality and limitations

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

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

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

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

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

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

Appendix I

Factors influencing the data

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

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

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

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

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

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

In March 2012, Air Canada experienced some delays and cancellations of flights departing Toronto/Lester B. Pearson International and Montreal/Pierre Elliot Trudeau International. This was due to a one day work action by Air Canada ground handling employees.

In January 2012, Porter Airlines started service from Toronto/Billy Bishop Toronto City Airport to Timmins, Ontario.

Beginning in December 2011, Porter Airlines added a new seasonal service from Toronto/Billy Bishop Toronto City Airport to Burlington, Vermont.

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.