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



December 2012



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Statistics Canada
Transportation Division

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

December 2012

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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 329,599 aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in December 2012 compared with 364,969 movements in December 2011.

Itinerant movements (flights from one airport to another) decreased (-20,442 movements) in December 2012 from the same month in 2011. These airports reported 258,430 movements compared with 278,872 movements in December 2011.

There were 71,169 local movements (flights that remain in the vicinity of the airport) in December 2012 compared with 86,097 movements in December 2011.

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

	NAV CANADA towers		NAV CANADA Flight Service Stations		Total	
	number	Percentage change, December 2011 to December 2012	number	Percentage change, December 2011 to December 2012	number	Percentage change, December 2011 to December 2012
Grand total	266,801	-10.1	62,798	-7.8	329,599	-9.7
Itinerant movements						
Air carriers	180,069	-5.5	40,034	-8.7	220,103	-6.1
Other commercial movements	11,827	-8.3	2,845	93.8	14,672	2.1
Private movements	13,866	-20.0	4,223	-28.2	18,089	-22.1
Government civil movements	2,993	-23.0	1,162	-0.8	4,155	-17.9
Government military movements	1,186	-15.6	225	-33.4	1,411	-19.1
Itinerant total	209,941	-7.2	48,489	-8.0	258,430	-7.3
Local movements						
Civil local movements	56,606	-19.7	14,197	-6.9	70,803	-17.4
Military local movements	254	22.1	112	-21.1	366	4.6
Local total	56,860	-19.6	14,309	-7.0	71,169	-17.3

Analysis

There were 329,599 aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in December 2012 compared with 364,969 movements in December 2011. Year-over-year decreases were reported by 66 airports. Toronto/Lester B. Pearson International, Ontario (34,644 movements) and Vancouver International, British Columbia (22,487 movements) were the most active sites in December.

Itinerant movements (flights from one airport to another) decreased (-20,442 movements) in December 2012 from the same month in 2011. These airports reported 258,430 movements compared with 278,872 movements in December 2011. Year-over-year variations ranged from an increase of 634 movements (+20.2%) at Calgary/Springbank, Alberta to a drop of 1,355 movements (-44.3%) at Boundary Bay, British Columbia. Seventy-one airports reported year-over-year decreases in the number of itinerant aircraft movements in December 2012.

In December 2012, there were 71,169 local movements (flights that remain in the vicinity of the airport) recorded. This represents a decrease of 17.3% (-14,928 movements) compared with the previous year. Calgary/Springbank, Alberta (5,766 movements) and Winnipeg/St. Andrews, Manitoba (3,854 movements) recorded the largest number of local movements.

Itinerant movements: domestic, transborder and international

There were 207,344 domestic itinerant movements reported by 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in December 2012, down 8.8% (-20,045 movements) from December 2011. Vancouver International, British Columbia (16,649 movements) and Calgary International, Alberta (15,363 movements) reported the greatest number of domestic itinerant movements. Seventy-two airports reported year-over-year decreases in the number of domestic movements in December 2012.

Seventy-two airports recorded 39,396 transborder itinerant movements (between Canada and the United States) in December 2012, down 0.8% from the same month in 2011. Toronto/Lester B. Pearson International, Ontario (15,403 movements) reported the greatest number of transborder itinerant movements.

In December 2012, thirty-eight airports reported 11,690 other international itinerant movements, down 0.5% from December 2011. Toronto/Lester B. Pearson International, Ontario, recorded 5,298 other international itinerant movements. This represents 45.3% 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
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401-0018	Itinerant movements, by type of power plant, airports with NAV CANADA flight service stations, monthly
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401-0037	Annual aircraft movements, by class of operation and type of operation, airports without air traffic control towers
401-0038	Annual itinerant movements, by weight group and type of power plant, airports without air traffic control towers

Selected surveys from Statistics Canada

2715	Aircraft Movement Statistics
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Selected summary tables from Statistics Canada

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

Statistical tables

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

	Total		Itinerant		Local	
	Rank of movements	Number of movements	Rank of movements	Number of movements	Rank of movements	Number of movements
Abbotsford	19	4,732	31	1,560	6	3,172
Boundary Bay	17	5,335	30	1,705	3	3,630
Calgary International	3	19,405	3	19,305	37	100
Calgary/Springbank	8	9,542	13	3,776	1	5,766
Chicoutimi/St-Honoré	38	1,762	41	480	15	1,282
Edmonton City Centre	25	3,605	20	2,981	27	624
Edmonton International	5	11,590	5	11,350	35	240
Edmonton/Villeneuve	29	3,257	40	571	9	2,686
Fort McMurray	24	3,741	15	3,463	34	278
Fredericton International	15	5,723	23	2,483	5	3,240
Gander International	39	1,697	35	1,227	30	470
Halifax/Robert L. Stanfield International	12	6,464	8	6,146	32	318
Hamilton	36	2,050	29	1,752	33	298
Kelowna	20	4,391	16	3,247	17	1,144
Kitchener/Waterloo	16	5,340	25	2,238	7	3,102
Langley	37	1,770	39	784	22	986
London	26	3,467	26	2,061	14	1,406
Moncton/Greater Moncton International	27	3,348	24	2,278	20	1,070
Montréal/Pierre Elliott Trudeau International	4	17,280	4	17,212	39	68
Montréal/St-Hubert	13	6,405	19	2,981	4	3,424
Oshawa	31	2,580	34	1,412	16	1,168
Ottawa/Macdonald-Cartier International	6	11,216	6	9,042	11	2,174
Pitt Meadows	34	2,382	37	918	13	1,464
Prince George	35	2,173	33	1,463	25	710
Québec/Jean Lesage International	10	7,417	9	5,889	12	1,528
Regina International	23	3,800	18	2,988	24	812
Saskatoon/John G. Diefenbaker International	18	5,242	12	4,240	21	1,002
Sault Ste. Marie	32	2,554	32	1,482	19	1,072
St. John's International	30	3,253	17	3,191	40	62
St-Jean	41	1,184	42	324	23	860
Thunder Bay	22	4,046	14	3,596	31	450
Toronto/Billy Bishop Toronto City	11	6,569	10	5,497	18	1,072
Toronto/Buttonville Municipal	21	4,116	28	1,934	10	2,182
Toronto/Lester B. Pearson International	1	34,644	1	34,570	38	74
Vancouver Harbour	33	2,543	22	2,541	42	2
Vancouver International	2	22,487	2	22,469	41	18
Victoria International	9	8,397	11	5,313	8	3,084
Whitehorse International	42	960	38	788	36	172
Windsor	40	1,672	36	1,114	28	558
Winnipeg/James Armstrong Richardson International	7	9,556	7	8,862	26	694
Winnipeg/St. Andrews	14	5,799	27	1,945	2	3,854
Yellowknife	28	3,307	21	2,763	29	544
Total of NAV CANADA towers (42)	.	266,801	.	209,941	.	56,860

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	39	694	47	400	16	294
Campbell River	13	1,790	25	842	5	948
Castlegar	50	274	50	254	37	20
Charlottetown	40	646	36	626	36	20
Churchill	41	612	37	612	0	0
Cranbrook	34	788	32	732	27	56
Deer Lake	20	1,342	12	1,218	19	124
Fort Nelson	28	943	24	925	39	18
Fort St. John	22	1,243	13	1,185	26	58
Grande Prairie	2	2,481	6	1,815	10	666
High Level	49	349	49	345	47	4
Îles-de-la-Madeleine	48	355	48	355	0	0
Inuvik/Mike Zubko	36	748	33	730	40	18
Iqaluit	24	1,176	14	1,148	33	28
Kamloops	7	2,307	9	1,485	6	822
Kenora	43	554	40	518	32	36
Kingston	12	1,807	19	1,005	7	802
Kuujuuaq	31	882	26	840	29	42
La Grande Rivière	42	605	38	599	45	6
La Ronge	23	1,184	17	1,063	20	121
Lethbridge	14	1,776	15	1,072	9	704
Lloydminster	37	723	39	551	17	172
Medicine Hat	30	893	29	779	22	114
Mont-Joli	38	704	34	676	34	28
Montréal/Mirabel International	8	2,254	16	1,064	4	1,190
Nanaimo	15	1,647	18	1,017	11	630
Norman Wells	21	1,333	31	733	12	600
North Bay	5	2,360	21	960	1	1,400
Ottawa/Gatineau	10	1,958	35	640	2	1,318
Peace River	46	498	41	482	41	16
Penticton	29	898	44	466	13	432
Port Hardy	47	497	46	447	28	50
Prince Albert	19	1,442	10	1,432	43	10
Prince Rupert	51	187	51	187	0	0
Rankin Inlet	35	750	30	742	44	8
Red Deer Regional	1	2,553	11	1,305	3	1,248
Rouyn-Noranda	27	946	23	928	38	18
Saint John	25	1,129	20	961	18	168
Sept-Îles	9	1,986	4	1,896	23	90
Sioux Lookout	4	2,376	2	2,262	21	114
Smithers	44	519	42	479	30	40
St. Catharines	16	1,619	27	821	8	798
Sudbury	6	2,336	3	1,906	14	430
Terrace	33	833	28	819	42	14
Thompson	3	2,417	1	2,341	24	76
Timmins	11	1,910	5	1,890	35	20
Val-d'Or	26	1,020	22	952	25	68
Victoria Harbour	17	1,558	7	1,554	46	4
Wabush	18	1,503	8	1,501	48	2
Whitecourt	32	880	45	456	15	424
Williams Lake	45	513	43	473	31	40
Total of all flight service stations (51)	.	62,798	.	48,489	.	14,309

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			Commercial	Private and government	
	number							
Abbotsford	4,730	1,230	328	3,172	2	2	0	
Boundary Bay	5,327	1,137	560	3,630	8	8	0	
Calgary International	19,363	18,219	1,044	100	42	42	0	
Calgary/Springbank	9,536	2,887	883	5,766	6	6	0	
Chicoutimi/St-Honoré	1,748	422	52	1,274	14	6	8	
Edmonton City Centre	3,601	2,067	910	624	4	4	0	
Edmonton International	11,544	10,678	632	234	46	40	6	
Edmonton/Villeneuve	3,255	404	165	2,686	2	2	0	
Fort McMurray	3,739	3,020	441	278	2	2	0	
Fredericton International	5,719	2,375	108	3,236	4	0	4	
Gander International	1,593	978	145	470	104	104	0	
Halifax/Robert L. Stanfield International	6,373	5,884	189	300	91	73	18	
Hamilton	2,038	1,562	184	292	12	6	6	
Kelowna	4,380	2,976	260	1,144	11	11	0	
Kitchener/Waterloo	5,338	1,724	512	3,102	2	2	0	
Langley	1,769	424	359	986	1	1	0	
London	3,457	1,698	357	1,402	10	6	4	
Moncton/Greater Moncton International	3,337	2,128	149	1,060	11	1	10	
Montréal/Pierre Elliott Trudeau International	17,275	16,233	974	68	5	5	0	
Montréal/St-Hubert	6,384	2,239	721	3,424	21	21	0	
Oshawa	2,571	928	479	1,164	9	5	4	
Ottawa/Macdonald-Cartier International	11,070	8,505	399	2,166	146	138	8	
Pitt Meadows	2,382	456	462	1,464	0	0	0	
Prince George	2,173	1,305	158	710	0	0	0	
Québec/Jean Lesage International	7,377	5,117	738	1,522	40	34	6	
Regina International	3,615	2,632	327	656	185	29	156	
Saskatoon/John G. Diefenbaker International	5,180	3,700	502	978	62	38	24	
Sault Ste. Marie	2,548	1,416	60	1,072	6	6	0	
St. John's International	3,109	2,766	281	62	144	144	0	
St-Jean	1,119	117	142	860	65	65	0	
Thunder Bay	4,020	3,337	233	450	26	26	0	
Toronto/Billy Bishop Toronto City	6,556	5,294	190	1,072	13	13	0	
Toronto/Buttonville Municipal	4,116	1,154	780	2,182	0	0	0	
Toronto/Lester B. Pearson International	34,638	33,692	872	74	6	6	0	
Vancouver Harbour	2,543	2,519	22	2	0	0	0	
Vancouver International	22,465	21,761	686	18	22	22	0	
Victoria International	8,315	4,700	531	3,084	82	82	0	
Whitehorse International	958	702	84	172	2	2	0	
Windsor	1,662	877	227	558	10	10	0	
Winnipeg/James Armstrong Richardson International	9,400	8,216	490	694	156	156	0	
Winnipeg/St. Andrews	5,799	1,779	166	3,854	0	0	0	
Yellowknife	3,239	2,638	57	544	68	68	0	
Total of NAV CANADA towers (42)	265,361	191,896	16,859	56,606	1,440	1,186	254	

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	684	241	149	294	10	10	0	
Campbell River	1,783	727	110	946	7	5	2	
Castlegar	272	243	9	20	2	2	0	
Charlottetown	630	540	82	8	16	4	12	
Churchill	610	604	6	0	2	2	0	
Cranbrook	754	656	58	40	34	18	16	
Deer Lake	1,331	1,154	53	124	11	11	0	
Fort Nelson	941	896	27	18	2	2	0	
Fort St. John	1,243	1,055	130	58	0	0	0	
Grande Prairie	2,481	1,608	207	666	0	0	0	
High Level	349	329	16	4	0	0	0	
Îles-de-la-Madeleine	353	313	40	0	2	2	0	
Inuvik/Mike Zubko	746	707	21	18	2	2	0	
Iqaluit	1,165	1,102	35	28	11	11	0	
Kamloops	2,303	1,285	196	822	4	4	0	
Kenora	545	485	24	36	9	9	0	
Kingston	1,790	780	214	796	17	11	6	
Kuujuuaq	882	807	33	42	0	0	0	
La Grande Rivière	605	573	26	6	0	0	0	
La Ronge	1,184	1,020	43	121	0	0	0	
Lethbridge	1,734	801	253	680	42	18	24	
Lloydminster	719	398	149	172	4	4	0	
Medicine Hat	883	634	135	114	10	10	0	
Mont-Joli	704	616	60	28	0	0	0	
Montréal/Mirabel International	2,200	851	197	1,152	54	16	38	
Nanaimo	1,643	742	271	630	4	4	0	
Norman Wells	1,331	724	7	600	2	2	0	
North Bay	2,346	841	113	1,392	14	6	8	
Ottawa/Gatineau	1,958	330	310	1,318	0	0	0	
Peace River	498	433	49	16	0	0	0	
Penticton	877	362	83	432	21	21	0	
Port Hardy	487	351	86	50	10	10	0	
Prince Albert	1,436	1,305	121	10	6	6	0	
Prince Rupert	186	175	11	0	1	1	0	
Rankin Inlet	750	738	4	8	0	0	0	
Red Deer Regional	2,549	769	532	1,248	4	4	0	
Rouyn-Noranda	946	838	90	18	0	0	0	
Saint John	1,119	752	203	164	10	6	4	
Sept-Îles	1,984	1,739	157	88	2	0	2	
Sioux Lookout	2,376	2,203	59	114	0	0	0	
Smithers	517	471	6	40	2	2	0	
St. Catharines	1,615	580	237	798	4	4	0	
Sudbury	2,332	1,715	187	430	4	4	0	
Terrace	831	781	36	14	2	2	0	
Thompson	2,415	2,221	118	76	2	2	0	
Timmins	1,910	1,833	57	20	0	0	0	
Val-d'Or	1,020	841	111	68	0	0	0	
Victoria Harbour	1,550	1,455	91	4	8	8	0	
Wabush	1,503	1,446	55	2	0	0	0	
Whitecourt	878	392	62	424	2	2	0	
Williams Lake	513	417	56	40	0	0	0	
Total of all flight service stations (51)	62,461	42,879	5,385	14,197	337	225	112	

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Abbotsford	1,560	435	757	38	278	50	2
Boundary Bay	1,705	4	417	716	554	6	8
Calgary International	19,305	17,093	809	317	952	92	42
Calgary/Springbank	3,776	10	751	2,126	881	2	6
Chicoutimi/St-Honoré	480	245	12	165	52	0	6
Edmonton City Centre	2,981	901	348	818	457	453	4
Edmonton International	11,350	10,245	341	92	612	20	40
Edmonton/Villeneuve	571	6	65	333	163	2	2
Fort McMurray	3,463	1,797	1,168	55	421	20	2
Fredericton International	2,483	700	1,675	0	86	22	0
Gander International	1,227	854	39	85	122	23	104
Halifax/Robert L. Stanfield International	6,146	5,481	271	132	168	21	73
Hamilton	1,752	1,396	95	71	143	41	6
Kelowna	3,247	2,460	406	110	228	32	11
Kitchener/Waterloo	2,238	423	1,285	16	506	6	2
Langley	784	0	42	382	358	1	1
London	2,061	918	191	589	320	37	6
Moncton/Greater Moncton International	2,278	1,412	709	7	80	69	1
Montréal/Pierre Elliott Trudeau International	17,212	15,305	720	208	861	113	5
Montréal/St-Hubert	2,981	1,235	320	684	663	58	21
Oshawa	1,412	15	48	865	425	54	5
Ottawa/Macdonald-Cartier International	9,042	7,077	193	1,235	204	195	138
Pitt Meadows	918	5	327	124	452	10	0
Prince George	1,463	1,052	241	12	102	56	0
Québec/Jean Lesage International	5,889	3,714	1,032	371	452	286	34
Regina International	2,988	2,166	437	29	208	119	29
Saskatoon/John G. Diefenbaker International	4,240	3,159	409	132	236	266	38
Sault Ste. Marie	1,482	1,003	70	343	54	6	6
St. John's International	3,191	1,972	374	420	97	184	144
St-Jean	324	8	79	30	142	0	65
Thunder Bay	3,596	3,126	146	65	149	84	26
Toronto/Billy Bishop Toronto City	5,497	4,518	244	532	180	10	13
Toronto/Buttonville Municipal	1,934	144	986	24	720	60	0
Toronto/Lester B. Pearson International	34,570	33,172	478	42	866	6	6
Vancouver Harbour	2,541	2,303	216	0	22	0	0
Vancouver International	22,469	20,346	1,336	79	500	186	22
Victoria International	5,313	2,885	1,709	106	517	14	82
Whitehorse International	788	588	114	0	57	27	2
Windsor	1,114	492	377	8	221	6	10
Winnipeg/James Armstrong Richardson International	8,862	7,993	186	37	176	314	156
Winnipeg/St. Andrews	1,945	451	1,101	227	164	2	0
Yellowknife	2,763	2,329	107	202	17	40	68
Total of NAV CANADA towers (42)	209,941	159,438	20,631	11,827	13,866	2,993	1,186

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	400	98	143	0	123	26	10
Campbell River	842	573	60	94	91	19	5
Castlegar	254	162	66	15	9	0	2
Charlottetown	626	500	34	6	63	19	4
Churchill	612	584	18	2	0	6	2
Cranbrook	732	648	8	0	56	2	18
Deer Lake	1,218	754	28	372	6	47	11
Fort Nelson	925	390	505	1	23	4	2
Fort St. John	1,185	741	305	9	118	12	0
Grande Prairie	1,815	1,028	572	8	182	25	0
High Level	345	247	80	2	10	6	0
Îles-de-la-Madeleine	355	295	14	4	4	36	2
Inuvik/Mike Zubko	730	631	76	0	2	19	2
Iqaluit	1,148	1,029	41	32	21	14	11
Kamloops	1,485	904	323	58	145	51	4
Kenora	518	373	54	58	16	8	9
Kingston	1,005	417	198	165	185	29	11
Kuujuuaq	840	756	49	2	14	19	0
La Grande Rivière	599	441	110	22	24	2	0
La Ronge	1,063	995	13	12	14	29	0
Lethbridge	1,072	508	33	260	227	26	18
Lloydminster	551	183	209	6	124	25	4
Medicine Hat	779	496	93	45	123	12	10
Mont-Joli	676	423	141	52	20	40	0
Montréal/Mirabel International	1,064	662	183	6	197	0	16
Nanaimo	1,017	404	332	6	262	9	4
Norman Wells	733	513	211	0	3	4	2
North Bay	960	515	154	172	105	8	6
Ottawa/Gatineau	640	79	213	38	304	6	0
Peace River	482	354	75	4	39	10	0
Penticton	466	191	171	0	77	6	21
Port Hardy	447	320	19	12	10	76	10
Prince Albert	1,432	1,279	22	4	53	68	6
Prince Rupert	187	171	0	4	5	6	1
Rankin Inlet	742	720	18	0	4	0	0
Red Deer Regional	1,305	257	381	131	518	14	4
Rouyn-Noranda	928	657	179	2	70	20	0
Saint John	961	676	35	41	201	2	6
Sept-Îles	1,896	974	480	285	59	98	0
Sioux Lookout	2,262	1,833	148	222	14	45	0
Smithers	479	351	109	11	4	2	2
St. Catharines	821	2	571	7	231	6	4
Sudbury	1,906	1,384	150	181	157	30	4
Terrace	819	529	250	2	18	18	2
Thompson	2,341	1,944	275	2	14	104	2
Timmins	1,890	1,775	58	0	46	11	0
Val-d'Or	952	777	58	6	84	27	0
Victoria Harbour	1,554	1,455	0	0	5	86	8
Wabush	1,501	860	146	440	31	24	0
Whitecourt	456	51	297	44	56	6	2
Williams Lake	473	379	38	0	56	0	0
Total of all flight service stations (51)	48,489	32,288	7,746	2,845	4,223	1,162	225

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

	Itinerant movements					Runway 88
	Total of IFR and VFR flights ¹	Instrument Flight Rules	Percentage Instrument Flight Rules	Visual Flight Rules	Percentage Visual Flight Rules	
	number		percent	number	percent	
Abbotsford	1,560	658	42.1	902	57.8	844
Boundary Bay	1,705	112	6.5	1,593	93.4	356
Calgary International	19,305	18,537	96.0	768	3.9	354
Calgary/Springbank	3,776	286	7.5	3,490	92.4	86
Chicoutimi/St-Honoré	480	91	18.9	389	81.0	44
Edmonton City Centre	2,981	1,496	50.1	1,485	49.8	1,017
Edmonton International	11,350	10,952	96.4	398	3.5	469
Edmonton/Villeneuve	571	41	7.1	530	92.8	110
Fort McMurray	3,463	2,185	63.0	1,278	36.9	260
Fredericton International	2,483	876	35.2	1,607	64.7	143
Gander International	1,227	949	77.3	278	22.6	65
Halifax/Robert L. Stanfield International	6,146	5,996	97.5	150	2.4	92
Hamilton	1,752	1,599	91.2	153	8.7	463
Kelowna	3,247	2,635	81.1	612	18.8	352
Kitchener/Waterloo	2,238	593	26.4	1,645	73.5	236
Langley	784	4	0.5	780	99.4	237
London	2,061	1,073	52.0	988	47.9	148
Moncton/Greater Moncton International	2,278	1,546	67.8	732	32.1	44
Montréal/Pierre Elliott Trudeau International	17,212	16,928	98.3	284	1.6	613
Montréal/St-Hubert	2,981	1,162	38.9	1,819	61.0	428
Oshawa	1,412	70	4.9	1,342	95.0	303
Ottawa/Macdonald-Cartier International	9,042	7,583	83.8	1,459	16.1	199
Pitt Meadows	918	10	1.0	908	98.9	599
Prince George	1,463	1,232	84.2	231	15.7	194
Québec/Jean Lesage International	5,889	4,740	80.4	1,149	19.5	543
Regina International	2,988	2,494	83.4	494	16.5	79
Saskatoon/John G. Diefenbaker International	4,240	3,641	85.8	599	14.1	61
Sault Ste. Marie	1,482	1,078	72.7	404	27.2	31
St. John's International	3,191	2,943	92.2	248	7.7	71
St-Jean	324	11	3.3	313	96.6	145
Thunder Bay	3,596	3,314	92.1	282	7.8	36
Toronto/Billy Bishop Toronto City	5,497	4,694	85.3	803	14.6	797
Toronto/Buttonville Municipal	1,934	376	19.4	1,558	80.5	566
Toronto/Lester B. Pearson International	34,570	34,548	99.9	22	0.0	108
Vancouver Harbour	2,541	147	5.7	2,394	94.2	571
Vancouver International	22,469	20,063	89.2	2,406	10.7	3,430
Victoria International	5,313	3,326	62.6	1,987	37.3	1,438
Whitehorse International	788	525	66.6	263	33.3	68
Windsor	1,114	644	57.8	470	42.1	71
Winnipeg/James Armstrong Richardson International	8,862	8,386	94.6	476	5.3	213
Winnipeg/St. Andrews	1,945	125	6.4	1,820	93.5	59
Yellowknife	2,763	2,137	77.3	626	22.6	97
Total of NAV CANADA towers (42)	209,941	169,806	80.9	40,135	19.1	16,040

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	400	127	31.7	273	68.2	71
Campbell River	842	500	59.3	342	40.6	221
Castlegar	254	197	77.5	57	22.4	41
Charlottetown	626	560	89.4	66	10.5	10
Churchill	612	593	96.8	19	3.1	0
Cranbrook	732	696	95.0	36	4.9	63
Deer Lake	1,218	1,175	96.4	43	3.5	11
Fort Nelson	925	405	43.7	520	56.2	13
Fort St. John	1,185	844	71.2	341	28.7	37
Grande Prairie	1,815	1,208	66.5	607	33.4	43
High Level	345	179	51.8	166	48.1	53
Îles-de-la-Madeleine	355	354	99.7	1	0.2	2
Inuvik/Mike Zubko	730	312	42.7	418	57.2	10
Iqaluit	1,148	1,040	90.5	108	9.4	0
Kamloops	1,485	1,036	69.7	449	30.2	375
Kenora	518	413	79.7	105	20.2	153
Kingston	1,005	500	49.7	505	50.2	91
Kuujuuaq	840	427	50.8	413	49.1	28
La Grande Rivière	599	477	79.6	122	20.3	71
La Ronge	1,063	672	63.2	391	36.7	147
Lethbridge	1,072	607	56.6	465	43.3	18
Lloydminster	551	272	49.3	279	50.6	43
Medicine Hat	779	445	57.1	334	42.8	80
Mont-Joli	676	661	97.7	15	2.2	1
Montréal/Mirabel International	1,064	757	71.1	307	28.8	692
Nanaimo	1,017	594	58.4	423	41.5	463
Norman Wells	733	199	27.1	534	72.8	312
North Bay	960	568	59.1	392	40.8	332
Ottawa/Gatineau	640	128	20.0	512	80.0	122
Peace River	482	366	75.9	116	24.0	10
Penticton	466	237	50.8	229	49.1	56
Port Hardy	447	240	53.6	207	46.3	169
Prince Albert	1,432	1,345	93.9	87	6.0	10
Prince Rupert	187	149	79.6	38	20.3	3
Rankin Inlet	742	723	97.4	19	2.5	205
Red Deer Regional	1,305	371	28.4	934	71.5	177
Rouyn-Noranda	928	913	98.3	15	1.6	19
Saint John	961	837	87.0	124	12.9	12
Sept-Îles	1,896	1,592	83.9	304	16.0	209
Sioux Lookout	2,262	1,902	84.0	360	15.9	133
Smithers	479	382	79.7	97	20.2	261
St. Catharines	821	65	7.9	756	92.0	128
Sudbury	1,906	1,472	77.2	434	22.7	124
Terrace	819	629	76.8	190	23.1	92
Thompson	2,341	1,712	73.1	629	26.8	66
Timmins	1,890	1,821	96.3	69	3.6	17
Val-d'Or	952	844	88.6	108	11.3	103
Victoria Harbour	1,554	188	12.0	1,366	87.9	633
Wabush	1,501	1,414	94.2	87	5.7	276
Whitecourt	456	53	11.6	403	88.3	53
Williams Lake	473	383	80.9	90	19.0	37
Total of all flight service stations (51)	48,489	33,584	69.3	14,905	30.7	6,296

1. Total excludes runway 88 flights.

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Abbotsford	1,560	463	105	563	429	0
Boundary Bay	1,705	8	16	1,481	200	0
Calgary International	19,305	12,846	5,577	209	673	0
Calgary/Springbank	3,776	48	78	2,863	787	0
Chicoutimi/St-Honoré	480	0	91	303	86	0
Edmonton City Centre	2,981	238	1,196	1,092	455	0
Edmonton International	11,350	6,860	4,085	243	162	0
Edmonton/Villeneuve	571	19	14	452	86	0
Fort McMurray	3,463	1,241	1,096	350	776	0
Fredericton International	2,483	34	850	1,543	56	0
Gander International	1,227	347	564	240	76	0
Halifax/Robert L. Stanfield International	6,146	3,169	2,702	91	184	0
Hamilton	1,752	1,127	460	105	60	0
Kelowna	3,247	1,202	1,412	380	253	0
Kitchener/Waterloo	2,238	263	287	1,491	197	0
Langley	784	0	3	602	179	0
London	2,061	307	773	867	114	0
Moncton/Greater Moncton International	2,278	536	986	726	30	0
Montréal/Pierre Elliott Trudeau International	17,212	11,331	5,553	203	125	0
Montréal/St-Hubert	2,981	182	820	1,856	123	0
Oshawa	1,412	23	27	1,287	75	0
Ottawa/Macdonald-Cartier International	9,042	5,221	2,364	1,286	171	0
Pitt Meadows	918	0	0	645	273	0
Prince George	1,463	348	921	57	137	0
Québec/Jean Lesage International	5,889	1,199	3,453	653	584	0
Regina International	2,988	1,582	773	564	69	0
Saskatoon/John G. Diefenbaker International	4,240	1,737	1,842	622	39	0
Sault Ste. Marie	1,482	40	1,044	370	28	0
St. John's International	3,191	1,285	1,458	41	407	0
St-Jean	324	0	0	315	9	0
Thunder Bay	3,596	376	2,919	154	147	0
Toronto/Billy Bishop Toronto City	5,497	13	4,655	653	176	0
Toronto/Buttonville Municipal	1,934	65	227	1,462	180	0
Toronto/Lester B. Pearson International	34,570	28,632	5,927	11	0	0
Vancouver Harbour	2,541	0	1,432	585	524	0
Vancouver International	22,469	11,308	8,871	1,779	511	0
Victoria International	5,313	1,028	2,041	2,107	137	0
Whitehorse International	788	337	264	135	52	0
Windsor	1,114	114	576	390	34	0
Winnipeg/James Armstrong Richardson International	8,862	4,908	3,448	317	189	0
Winnipeg/St. Andrews	1,945	0	589	1,260	94	2
Yellowknife	2,763	708	1,777	178	100	0
Total of NAV CANADA towers (42)	209,941	99,145	71,276	30,531	8,987	2

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	400	32	104	226	38	0
Campbell River	842	18	576	95	153	0
Castlegar	254	8	172	39	35	0
Charlottetown	626	156	387	68	15	0
Churchill	612	145	449	0	18	0
Cranbrook	732	17	636	77	2	0
Deer Lake	1,218	100	1,080	10	28	0
Fort Nelson	925	60	366	49	450	0
Fort St. John	1,185	255	614	84	232	0
Grande Prairie	1,815	245	849	345	376	0
High Level	345	9	203	55	78	0
Îles-de-la-Madeleine	355	8	335	12	0	0
Inuvik/Mike Zubko	730	107	481	66	76	0
Iqaluit	1,148	302	806	17	23	0
Kamloops	1,485	119	846	308	212	0
Kenora	518	3	372	81	62	0
Kingston	1,005	13	465	491	36	0
Kuujuuaq	840	157	644	7	32	0
La Grande Rivière	599	84	497	18	0	0
La Ronge	1,063	0	898	142	23	0
Lethbridge	1,072	63	550	441	18	0
Lloydminster	551	44	228	234	45	0
Medicine Hat	779	32	536	192	19	0
Mont-Joli	676	18	623	35	0	0
Montréal/Mirabel International	1,064	499	247	78	240	0
Nanaimo	1,017	21	409	571	16	0
Norman Wells	733	182	239	105	207	0
North Bay	960	10	533	111	306	0
Ottawa/Gatineau	640	3	72	472	93	0
Peace River	482	28	307	80	67	0
Penticton	466	21	222	86	137	0
Port Hardy	447	4	260	93	90	0
Prince Albert	1,432	8	1,341	73	10	0
Prince Rupert	187	8	142	2	35	0
Rankin Inlet	742	223	501	0	18	0
Red Deer Regional	1,305	52	349	867	37	0
Rouyn-Noranda	928	92	824	10	2	0
Saint John	961	186	634	102	39	0
Sept-Îles	1,896	56	1,500	107	233	0
Sioux Lookout	2,262	1	1,905	351	5	0
Smithers	479	4	393	9	73	0
St. Catharines	821	8	21	531	261	0
Sudbury	1,906	23	1,403	329	151	0
Terrace	819	18	617	2	182	0
Thompson	2,341	143	1,929	152	117	0
Timmins	1,890	7	1,822	56	5	0
Val-d'Or	952	116	721	79	36	0
Victoria Harbour	1,554	0	987	33	534	0
Wabush	1,501	29	1,379	61	32	0
Whitecourt	456	9	37	69	340	1
Williams Lake	473	4	381	62	26	0
Total of all flight service stations (51)	48,489	3,750	31,892	7,583	5,263	1

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

	Maximum take-off weight in kilograms									
	2,000 and under	2,001 to 4,000	4,001 to 5,670	5,671 to 9,000	9,001 to 18,000	18,001 to 35,000	35,001 to 70,000	70,001 to 90,000	90,001 to 136,000	136,001 and over
	number									
Abbotsford	730	216	108	57	13	16	420	0	0	0
Boundary Bay	1,568	99	36	2	0	0	0	0	0	0
Calgary International	490	463	1,339	2,125	843	4,531	7,933	678	249	654
Calgary/Springbank	3,417	198	135	26	0	0	0	0	0	0
Chicoutimi/St-Honoré	333	61	80	0	0	0	0	6	0	0
Edmonton City Centre	1,415	139	1,052	303	68	4	0	0	0	0
Edmonton International	199	246	751	1,056	541	2,934	5,132	202	165	124
Edmonton/Villeneuve	499	26	30	9	7	0	0	0	0	0
Fort McMurray	982	339	356	295	66	915	426	84	0	0
Fredericton International	1,586	85	168	214	142	282	6	0	0	0
Gander International	237	19	7	493	179	220	14	42	0	16
Halifax/Robert L. Stanfield International	54	172	256	929	875	1,513	1,803	217	227	100
Hamilton	111	203	148	252	120	37	233	4	482	162
Kelowna	507	152	311	464	41	813	957	0	2	0
Kitchener/Waterloo	1,645	58	301	32	34	113	55	0	0	0
Langley	763	13	3	1	4	0	0	0	0	0
London	891	42	152	137	372	341	126	0	0	0
Moncton/Greater Moncton International	723	105	118	297	20	692	85	2	236	0
Montréal/Pierre Elliott Trudeau International	215	93	475	451	2,415	6,143	4,850	1,373	0	1,197
Montréal/St-Hubert	1,776	185	542	333	133	12	0	0	0	0
Oshawa	1,297	63	22	28	2	0	0	0	0	0
Ottawa/Macdonald-Cartier International	1,317	70	661	216	658	2,855	2,735	258	36	236
Pitt Meadows	869	44	4	0	1	0	0	0	0	0
Prince George	166	49	169	494	14	388	183	0	0	0
Québec/Jean Lesage International	1,034	190	694	524	1,050	1,898	434	6	0	59
Regina International	451	179	311	293	54	860	761	2	56	21
Saskatoon/John G. Diefenbaker International	490	215	582	692	190	1,144	859	0	38	30
Sault Ste. Marie	381	59	506	64	184	274	14	0	0	0
St. John's International	31	18	203	626	750	470	746	198	107	42
St-Jean	324	0	0	0	0	0	0	0	0	0
Thunder Bay	132	135	1,948	194	144	832	200	11	0	0
Toronto/Billy Bishop Toronto City	665	48	275	175	0	4,334	0	0	0	0
Toronto/Buttonville Municipal	1,504	153	207	45	10	15	0	0	0	0
Toronto/Lester B. Pearson International	3	122	332	1,521	2,989	7,674	14,803	4,035	129	2,962
Vancouver Harbour	64	1,923	554	0	0	0	0	0	0	0
Vancouver International	306	2,632	753	2,607	1,681	4,987	6,157	1,078	235	2,033
Victoria International	1,722	658	96	416	605	1,211	570	7	28	0
Whitehorse International	159	59	79	63	6	269	153	0	0	0
Windsor	375	139	72	90	104	319	10	4	1	0
Winnipeg/James Armstrong Richardson International	327	244	2,502	261	742	1,687	2,253	130	575	141
Winnipeg/St. Andrews	1,256	644	45	0	0	0	0	0	0	0
Yellowknife	113	369	464	332	194	722	461	108	0	0
Total of NAV CANADA towers (42)	31,127	10,927	16,847	16,117	15,251	48,505	52,379	8,445	2,566	7,777

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	212	44	108	26	8	0	0	2	0	0
Campbell River	210	25	19	494	90	4	0	0	0	0
Castlegar	44	36	14	18	80	62	0	0	0	0
Charlottetown	48	105	34	178	57	70	134	0	0	0
Churchill	18	0	66	16	151	357	2	2	0	0
Cranbrook	30	49	51	386	97	114	1	4	0	0
Deer Lake	32	0	13	438	591	50	92	2	0	0
Fort Nelson	337	64	184	135	121	62	22	0	0	0
Fort St. John	295	17	165	236	128	314	30	0	0	0
Grande Prairie	483	216	362	90	12	474	178	0	0	0
High Level	124	29	83	109	0	0	0	0	0	0
Îles-de-la-Madeleine	4	8	96	87	144	14	2	0	0	0
Inuvik/Mike Zubko	77	26	391	81	0	57	94	4	0	0
Iqaluit	6	9	220	213	154	296	181	15	10	44
Kamloops	364	95	125	221	145	465	70	0	0	0
Kenora	92	9	403	4	1	6	0	3	0	0
Kingston	494	17	84	152	244	4	2	8	0	0
Kuujuuaq	34	5	503	0	18	140	122	0	0	18
La Grande Rivière	6	32	155	0	32	290	84	0	0	0
La Ronge	73	103	444	164	206	73	0	0	0	0
Lethbridge	381	76	155	448	2	4	0	6	0	0
Lloydminster	252	27	121	143	6	2	0	0	0	0
Medicine Hat	188	20	236	321	2	10	2	0	0	0
Mont-Joli	10	25	123	253	129	136	0	0	0	0
Montréal/Mirabel International	284	72	11	74	13	146	48	5	242	169
Nanaimo	315	285	17	22	36	342	0	0	0	0
Norman Wells	156	122	201	38	0	38	178	0	0	0
North Bay	402	43	313	40	147	9	4	2	0	0
Ottawa/Gatineau	520	44	23	53	0	0	0	0	0	0
Peace River	57	83	245	81	6	0	10	0	0	0
Penticton	155	86	21	39	6	159	0	0	0	0
Port Hardy	24	167	19	111	114	12	0	0	0	0
Prince Albert	51	32	157	474	294	422	0	2	0	0
Prince Rupert	13	0	34	21	48	71	0	0	0	0
Rankin Inlet	18	0	66	0	85	435	136	0	0	2
Red Deer Regional	833	69	228	117	2	43	11	2	0	0
Rouyn-Noranda	10	2	343	20	271	214	68	0	0	0
Saint John	82	129	94	210	174	272	0	0	0	0
Sept-Îles	248	98	410	264	536	334	6	0	0	0
Sioux Lookout	97	303	1,169	599	94	0	0	0	0	0
Smithers	49	39	50	169	68	104	0	0	0	0
St. Catharines	717	71	19	8	2	2	0	2	0	0
Sudbury	346	111	806	175	80	378	6	4	0	0
Terrace	134	46	116	154	155	214	0	0	0	0
Thompson	125	181	1,306	20	180	525	0	4	0	0
Timmins	36	103	968	61	317	405	0	0	0	0
Val-d'Or	109	6	279	32	324	122	70	0	10	0
Victoria Harbour	2	982	562	0	8	0	0	0	0	0
Wabush	33	60	270	449	447	240	2	0	0	0
Whitecourt	398	9	29	13	3	4	0	0	0	0
Williams Lake	83	5	6	356	23	0	0	0	0	0
Total of all flight service stations (51)	9,111	4,185	11,917	7,813	5,851	7,495	1,555	67	262	233

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Abbotsford							
Domestic	1,517	421	748	38	260	48	2
Transborder	31	3	9	0	17	2	0
Other international	12	11	0	0	1	0	0
Total	1,560	435	757	38	278	50	2
Boundary Bay							
Domestic	1,678	2	417	711	535	6	7
Transborder	27	2	0	5	19	0	1
Other international	0	0	0	0	0	0	0
Total	1,705	4	417	716	554	6	8
Calgary International							
Domestic	15,363	13,484	707	313	732	90	37
Transborder	3,199	2,879	97	3	215	2	3
Other international	743	730	5	1	5	0	2
Total	19,305	17,093	809	317	952	92	42
Calgary/Springbank							
Domestic	3,723	8	746	2,124	837	2	6
Transborder	53	2	5	2	44	0	0
Other international	0	0	0	0	0	0	0
Total	3,776	10	751	2,126	881	2	6
Chicoutimi/St-Honoré							
Domestic	479	245	12	164	52	0	6
Transborder	0	0	0	0	0	0	0
Other international	1	0	0	1	0	0	0
Total	480	245	12	165	52	0	6
Edmonton City Centre							
Domestic	2,958	899	340	818	444	453	4
Transborder	23	2	8	0	13	0	0
Other international	0	0	0	0	0	0	0
Total	2,981	901	348	818	457	453	4
Edmonton International							
Domestic	9,612	8,617	326	84	526	20	39
Transborder	1,468	1,370	15	8	74	0	1
Other international	270	258	0	0	12	0	0
Total	11,350	10,245	341	92	612	20	40
Edmonton/Villeneuve							
Domestic	569	6	65	333	161	2	2
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	571	6	65	333	163	2	2
Fort McMurray							
Domestic	3,457	1,794	1,168	55	418	20	2
Transborder	3	0	0	0	3	0	0
Other international	3	3	0	0	0	0	0
Total	3,463	1,797	1,168	55	421	20	2
Fredericton International							
Domestic	2,468	695	1,674	0	79	20	0
Transborder	15	5	1	0	7	2	0
Other international	0	0	0	0	0	0	0
Total	2,483	700	1,675	0	86	22	0
Gander International							
Domestic	980	793	35	68	9	23	52
Transborder	112	25	1	7	54	0	25
Other international	135	36	3	10	59	0	27
Total	1,227	854	39	85	122	23	104

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	5,312	4,751	267	120	102	20	52
Transborder	725	642	3	8	61	0	11
Other international	109	88	1	4	5	1	10
Total	6,146	5,481	271	132	168	21	73
Hamilton							
Domestic	1,163	914	60	69	73	41	6
Transborder	521	429	30	2	60	0	0
Other international	68	53	5	0	10	0	0
Total	1,752	1,396	95	71	143	41	6
Kelowna							
Domestic	2,892	2,148	402	108	191	32	11
Transborder	311	268	4	2	37	0	0
Other international	44	44	0	0	0	0	0
Total	3,247	2,460	406	110	228	32	11
Kitchener/Waterloo							
Domestic	2,006	282	1,257	16	446	4	1
Transborder	229	140	28	0	58	2	1
Other international	3	1	0	0	2	0	0
Total	2,238	423	1,285	16	506	6	2
Langley							
Domestic	783	0	41	382	358	1	1
Transborder	1	0	1	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	784	0	42	382	358	1	1
London							
Domestic	1,829	754	182	588	264	37	4
Transborder	198	132	8	1	55	0	2
Other international	34	32	1	0	1	0	0
Total	2,061	918	191	589	320	37	6
Moncton/Greater Moncton International							
Domestic	2,205	1,347	709	7	72	69	1
Transborder	73	65	0	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	2,278	1,412	709	7	80	69	1
Montréal/Pierre Elliott Trudeau International							
Domestic	9,422	8,072	567	187	479	113	4
Transborder	5,629	5,120	130	16	362	0	1
Other international	2,161	2,113	23	5	20	0	0
Total	17,212	15,305	720	208	861	113	5
Montréal/St-Hubert							
Domestic	2,866	1,223	316	681	567	58	21
Transborder	114	12	4	3	95	0	0
Other international	1	0	0	0	1	0	0
Total	2,981	1,235	320	684	663	58	21
Oshawa							
Domestic	1,388	13	43	865	408	54	5
Transborder	24	2	5	0	17	0	0
Other international	0	0	0	0	0	0	0
Total	1,412	15	48	865	425	54	5
Ottawa/Macdonald-Cartier International							
Domestic	6,872	5,023	176	1,223	127	195	128
Transborder	1,831	1,721	17	10	76	0	7
Other international	339	333	0	2	1	0	3
Total	9,042	7,077	193	1,235	204	195	138

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	917	5	327	124	451	10	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	918	5	327	124	452	10	0
Prince George							
Domestic	1,445	1,042	241	12	94	56	0
Transborder	8	0	0	0	8	0	0
Other international	10	10	0	0	0	0	0
Total	1,463	1,052	241	12	102	56	0
Québec/Jean Lesage International							
Domestic	5,117	3,013	1,022	369	399	283	31
Transborder	528	464	9	2	49	3	1
Other international	244	237	1	0	4	0	2
Total	5,889	3,714	1,032	371	452	286	34
Regina International							
Domestic	2,490	1,729	431	27	165	118	20
Transborder	401	340	6	2	43	1	9
Other international	97	97	0	0	0	0	0
Total	2,988	2,166	437	29	208	119	29
Saskatoon/John G. Diefenbaker International							
Domestic	3,838	2,794	397	132	212	266	37
Transborder	324	287	12	0	24	0	1
Other international	78	78	0	0	0	0	0
Total	4,240	3,159	409	132	236	266	38
Sault Ste. Marie							
Domestic	1,467	998	69	343	45	6	6
Transborder	7	3	1	0	3	0	0
Other international	8	2	0	0	6	0	0
Total	1,482	1,003	70	343	54	6	6
St. John's International							
Domestic	2,880	1,827	371	416	51	184	31
Transborder	170	87	1	1	26	0	55
Other international	141	58	2	3	20	0	58
Total	3,191	1,972	374	420	97	184	144
St-Jean							
Domestic	324	8	79	30	142	0	65
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	324	8	79	30	142	0	65
Thunder Bay							
Domestic	3,540	3,092	145	64	130	84	25
Transborder	38	17	0	1	19	0	1
Other international	18	17	1	0	0	0	0
Total	3,596	3,126	146	65	149	84	26
Toronto/Billy Bishop Toronto City							
Domestic	4,200	3,290	242	531	114	10	13
Transborder	1,297	1,228	2	1	66	0	0
Other international	0	0	0	0	0	0	0
Total	5,497	4,518	244	532	180	10	13
Toronto/Buttonville Municipal							
Domestic	1,809	120	964	22	643	60	0
Transborder	122	22	22	2	76	0	0
Other international	3	2	0	0	1	0	0
Total	1,934	144	986	24	720	60	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	13,869	13,370	226	21	241	6	5
Transborder	15,403	14,598	198	14	592	0	1
Other international	5,298	5,204	54	7	33	0	0
Total	34,570	33,172	478	42	866	6	6
Vancouver Harbour							
Domestic	2,541	2,303	216	0	22	0	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	2,541	2,303	216	0	22	0	0
Vancouver International							
Domestic	16,649	14,846	1,297	51	251	186	18
Transborder	4,223	3,918	37	24	240	0	4
Other international	1,597	1,582	2	4	9	0	0
Total	22,469	20,346	1,336	79	500	186	22
Victoria International							
Domestic	4,736	2,394	1,694	105	448	14	81
Transborder	540	455	15	1	68	0	1
Other international	37	36	0	0	1	0	0
Total	5,313	2,885	1,709	106	517	14	82
Whitehorse International							
Domestic	774	586	113	0	46	27	2
Transborder	12	1	1	0	10	0	0
Other international	2	1	0	0	1	0	0
Total	788	588	114	0	57	27	2
Windsor							
Domestic	1,010	455	363	7	172	6	7
Transborder	90	27	14	1	45	0	3
Other international	14	10	0	0	4	0	0
Total	1,114	492	377	8	221	6	10
Winnipeg/James Armstrong Richardson International							
Domestic	7,704	6,927	175	27	108	314	153
Transborder	992	903	11	9	66	0	3
Other international	166	163	0	1	2	0	0
Total	8,862	7,993	186	37	176	314	156
Winnipeg/St. Andrews							
Domestic	1,943	451	1,101	227	162	2	0
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,945	451	1,101	227	164	2	0
Yellowknife							
Domestic	2,761	2,328	107	201	17	40	68
Transborder	2	1	0	1	0	0	0
Other international	0	0	0	0	0	0	0
Total	2,763	2,329	107	202	17	40	68
Total of NAV CANADA towers (42)							
Domestic	159,556	113,069	19,838	11,663	11,053	2,980	953
Transborder	38,749	35,170	695	126	2,615	12	131
Other international	11,636	11,199	98	38	198	1	102
Total	209,941	159,438	20,631	11,827	13,866	2,993	1,186

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	389	96	143	0	114	26	10
Transborder	11	2	0	0	9	0	0
Other international	0	0	0	0	0	0	0
Total	400	98	143	0	123	26	10
Campbell River							
Domestic	826	568	59	94	81	19	5
Transborder	15	5	1	0	9	0	0
Other international	1	0	0	0	1	0	0
Total	842	573	60	94	91	19	5
Castlegar							
Domestic	245	158	66	15	4	0	2
Transborder	9	4	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	254	162	66	15	9	0	2
Charlottetown							
Domestic	613	493	34	6	57	19	4
Transborder	13	7	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	626	500	34	6	63	19	4
Churchill							
Domestic	612	584	18	2	0	6	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	612	584	18	2	0	6	2
Cranbrook							
Domestic	729	648	8	0	53	2	18
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	732	648	8	0	56	2	18
Deer Lake							
Domestic	1,218	754	28	372	6	47	11
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,218	754	28	372	6	47	11
Fort Nelson							
Domestic	924	390	505	1	22	4	2
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	925	390	505	1	23	4	2
Fort St. John							
Domestic	1,183	740	305	9	117	12	0
Transborder	2	1	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,185	741	305	9	118	12	0
Grande Prairie							
Domestic	1,811	1,028	572	8	178	25	0
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	1,815	1,028	572	8	182	25	0
High Level							
Domestic	345	247	80	2	10	6	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	345	247	80	2	10	6	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	355	295	14	4	4	36	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	355	295	14	4	4	36	2
Inuvik/Mike Zubko							
Domestic	730	631	76	0	2	19	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	730	631	76	0	2	19	2
Iqaluit							
Domestic	1,114	1,012	39	28	10	14	11
Transborder	5	3	0	1	1	0	0
Other international	29	14	2	3	10	0	0
Total	1,148	1,029	41	32	21	14	11
Kamloops							
Domestic	1,470	904	323	57	131	51	4
Transborder	15	0	0	1	14	0	0
Other international	0	0	0	0	0	0	0
Total	1,485	904	323	58	145	51	4
Kenora							
Domestic	518	373	54	58	16	8	9
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	518	373	54	58	16	8	9
Kingston							
Domestic	976	413	196	165	162	29	11
Transborder	28	3	2	0	23	0	0
Other international	1	1	0	0	0	0	0
Total	1,005	417	198	165	185	29	11
Kuujuuaq							
Domestic	840	756	49	2	14	19	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	840	756	49	2	14	19	0
La Grande Rivière							
Domestic	598	440	110	22	24	2	0
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	599	441	110	22	24	2	0
La Ronge							
Domestic	1,063	995	13	12	14	29	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,063	995	13	12	14	29	0
Lethbridge							
Domestic	1,025	502	26	258	195	26	18
Transborder	46	6	6	2	32	0	0
Other international	1	0	1	0	0	0	0
Total	1,072	508	33	260	227	26	18
Lloydminster							
Domestic	547	182	208	6	122	25	4
Transborder	4	1	1	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	551	183	209	6	124	25	4

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Medicine Hat							
Domestic	775	496	93	45	119	12	10
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	779	496	93	45	123	12	10
Mont-Joli							
Domestic	676	423	141	52	20	40	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	676	423	141	52	20	40	0
Montréal/Mirabel International							
Domestic	862	481	182	1	182	0	16
Transborder	191	173	0	3	15	0	0
Other international	11	8	1	2	0	0	0
Total	1,064	662	183	6	197	0	16
Nanaimo							
Domestic	1,002	403	328	6	252	9	4
Transborder	15	1	4	0	10	0	0
Other international	0	0	0	0	0	0	0
Total	1,017	404	332	6	262	9	4
Norman Wells							
Domestic	733	513	211	0	3	4	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	733	513	211	0	3	4	2
North Bay							
Domestic	956	512	154	172	104	8	6
Transborder	2	1	0	0	1	0	0
Other international	2	2	0	0	0	0	0
Total	960	515	154	172	105	8	6
Ottawa/Gatineau							
Domestic	634	79	213	38	298	6	0
Transborder	6	0	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	640	79	213	38	304	6	0
Peace River							
Domestic	482	354	75	4	39	10	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	482	354	75	4	39	10	0
Penticton							
Domestic	460	191	171	0	71	6	21
Transborder	6	0	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	466	191	171	0	77	6	21
Port Hardy							
Domestic	445	320	19	12	8	76	10
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	447	320	19	12	10	76	10
Prince Albert							
Domestic	1,432	1,279	22	4	53	68	6
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,432	1,279	22	4	53	68	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	186	171	0	4	4	6	1
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	187	171	0	4	5	6	1
Rankin Inlet							
Domestic	742	720	18	0	4	0	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	742	720	18	0	4	0	0
Red Deer Regional							
Domestic	1,295	256	381	131	509	14	4
Transborder	10	1	0	0	9	0	0
Other international	0	0	0	0	0	0	0
Total	1,305	257	381	131	518	14	4
Rouyn-Noranda							
Domestic	926	655	179	2	70	20	0
Transborder	0	0	0	0	0	0	0
Other international	2	2	0	0	0	0	0
Total	928	657	179	2	70	20	0
Saint John							
Domestic	897	673	34	41	141	2	6
Transborder	60	3	1	0	56	0	0
Other international	4	0	0	0	4	0	0
Total	961	676	35	41	201	2	6
Sept-Îles							
Domestic	1,889	972	480	285	54	98	0
Transborder	5	1	0	0	4	0	0
Other international	2	1	0	0	1	0	0
Total	1,896	974	480	285	59	98	0
Sioux Lookout							
Domestic	2,261	1,833	148	221	14	45	0
Transborder	1	0	0	1	0	0	0
Other international	0	0	0	0	0	0	0
Total	2,262	1,833	148	222	14	45	0
Smithers							
Domestic	478	351	109	11	3	2	2
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	479	351	109	11	4	2	2
St. Catharines							
Domestic	803	0	571	7	215	6	4
Transborder	18	2	0	0	16	0	0
Other international	0	0	0	0	0	0	0
Total	821	2	571	7	231	6	4
Sudbury							
Domestic	1,896	1,380	148	181	153	30	4
Transborder	10	4	2	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	1,906	1,384	150	181	157	30	4
Terrace							
Domestic	818	529	250	2	17	18	2
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	819	529	250	2	18	18	2

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements		
		Level I-III and Foreign	Level IV-VI			Civil	Military	
	number							
Thompson								
Domestic	2,341	1,944	275	2	14	104	2	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	2,341	1,944	275	2	14	104	2	
Timmins								
Domestic	1,889	1,775	58	0	45	11	0	
Transborder	1	0	0	0	1	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,890	1,775	58	0	46	11	0	
Val-d'Or								
Domestic	951	776	58	6	84	27	0	
Transborder	0	0	0	0	0	0	0	
Other international	1	1	0	0	0	0	0	
Total	952	777	58	6	84	27	0	
Victoria Harbour								
Domestic	1,401	1,307	0	0	0	86	8	
Transborder	153	148	0	0	5	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,554	1,455	0	0	5	86	8	
Wabush								
Domestic	1,498	858	146	440	30	24	0	
Transborder	3	2	0	0	1	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,501	860	146	440	31	24	0	
Whitecourt								
Domestic	456	51	297	44	56	6	2	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	456	51	297	44	56	6	2	
Williams Lake								
Domestic	473	379	38	0	56	0	0	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	473	379	38	0	56	0	0	
Total of all flight service stations (51)								
Domestic	47,788	31,890	7,725	2,832	3,954	1,162	225	
Transborder	647	369	17	8	253	0	0	
Other international	54	29	4	5	16	0	0	
Total	48,489	32,288	7,746	2,845	4,223	1,162	225	

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	19	4,732	5	15	108	14	385
Boundary Bay	17	5,335	2	13	90	8	528
Calgary International	3	19,405	6	18	59	6	808
Calgary/Springbank	8	9,542	4	13	103	6	640
Chicoutimi/St-Honoré	38	1,762	6	11	81	6	486
Edmonton City Centre	25	3,605	6	17	41	13	233
Edmonton International	5	11,590	20	15	43	19	497
Edmonton/Villeneuve	29	3,257	16	15	77	16	321
Fort McMurray	24	3,741	20	12	30	5	211
Fredericton International	15	5,723	16	14	58	16	499
Gander International	39	1,697	2	10	26	14	187
Halifax/Robert L. Stanfield International	12	6,464	1	15	30	20	286
Hamilton	36	2,050	19	14	22	19	148
Kelowna	20	4,391	1	11	55	21	247
Kitchener/Waterloo	16	5,340	6	19	91	6	659
Langley	37	1,770	30	13	56	8	190
London	26	3,467	19	10	60	6	318
Moncton/Greater Moncton International	27	3,348	1	14	43	12	337
Montréal/Pierre Elliott Trudeau International	4	17,280	13	18	60	13	688
Montréal/St-Hubert	13	6,405	11	15	128	6	745
Oshawa	31	2,580	14	18	50	19	312
Ottawa/Macdonald-Cartier International	6	11,216	6	13	83	6	725
Pitt Meadows	34	2,382	14	15	80	8	388
Prince George	35	2,173	18	11	43	5	167
Québec/Jean Lesage International	10	7,417	7	15	91	6	645
Regina International	23	3,800	14	16	53	20	244
Saskatoon/John G. Diefenbaker International	18	5,242	7	9	51	7	325
Sault Ste. Marie	32	2,554	13	15	70	13	277
St. John's International	30	3,253	8	11	23	13	143
St-Jean	41	1,184	20	14	45	6	155
Thunder Bay	22	4,046	7	13	55	7	265
Toronto/Billy Bishop Toronto City	11	6,569	12	18	67	12	435
Toronto/Buttonville Municipal	21	4,116	12	9	73	6	580
Toronto/Lester B. Pearson International	1	34,644	7	16	102	14	1,288
Vancouver Harbour	33	2,543	7	15	26	12	137
Vancouver International	2	22,487	18	9	69	21	881
Victoria International	9	8,397	10	11	85	10	569
Whitehorse International	42	960	11	15	18	6	65
Windsor	40	1,672	1	14	50	11	139
Winnipeg/James Armstrong Richardson International	7	9,556	18	13	46	18	472
Winnipeg/St. Andrews	14	5,799	18	13	81	6	525
Yellowknife	28	3,307	5	11	43	5	198

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	39	694	11	15	21	11	76
Campbell River	13	1,790	14	12	69	8	203
Castlegar	50	274	30	11	16	30	25
Charlottetown	40	646	11	19	7	16	37
Churchill	41	612	11	14	6	27	30
Cranbrook	34	788	1	16	22	1	50
Deer Lake	20	1,342	16	9	26	13	112
Fort Nelson	28	943	18	8	15	19	75
Fort St. John	22	1,243	19	15	22	5	89
Grande Prairie	2	2,481	14	15	48	14	173
High Level	49	349	5	11	8	5	26
Îles-de-la-Madeleine	48	355	16	14	5	7	18
Inuvik/Mike Zubko	36	748	5	13	17	7	65
Iqaluit	24	1,176	11	12	10	17	59
Kamloops	7	2,307	14	15	49	12	208
Kenora	43	554	5	11	16	5	53
Kingston	12	1,807	15	10	37	6	143
Kuujuuaq	31	882	23	17	12	23	43
La Grande Rivière	42	605	17	17	7	14	33
La Ronge	23	1,184	27	11	19	13	71
Lethbridge	14	1,776	14	15	49	22	143
Lloydminster	37	723	15	11	22	15	67
Medicine Hat	30	893	6	15	20	6	76
Mont-Joli	38	704	16	13	14	16	53
Montréal/Mirabel International	8	2,254	7	14	36	7	205
Nanaimo	15	1,647	8	11	46	12	185
Norman Wells	21	1,333	3	16	17	7	87
North Bay	5	2,360	11	12	57	6	269
Ottawa/Gatineau	10	1,958	15	13	69	15	270
Peace River	46	498	8	17	11	13	32
Penticton	29	898	7	13	23	5	79
Port Hardy	47	497	6	11	24	6	48
Prince Albert	19	1,442	5	8	14	5	85
Prince Rupert	51	187	5	15	5	18	13
Rankin Inlet	35	750	4	12	9	4	47
Red Deer Regional	1	2,553	11	15	67	13	266
Rouyn-Noranda	27	946	4	17	9	4	67
Saint John	25	1,129	9	16	15	7	70
Sept-Îles	9	1,986	16	14	29	21	113
Sioux Lookout	4	2,376	21	15	25	17	124
Smithers	44	519	12	11	41	12	72
St. Catharines	16	1,619	7	16	53	14	143
Sudbury	6	2,336	7	19	34	7	163
Terrace	33	833	20	15	13	20	53
Thompson	3	2,417	20	13	38	20	170
Timmins	11	1,910	30	14	17	19	96
Val-d'Or	26	1,020	11	16	13	12	71
Victoria Harbour	17	1,558	12	8	16	13	94
Wabush	18	1,503	11	11	13	20	84
Whitecourt	32	880	10	15	44	10	116
Williams Lake	45	513	11	10	14	11	41

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	31	1,560	8	14	20	3	108
Boundary Bay	30	1,705	30	13	46	8	238
Calgary International	3	19,305	6	18	59	6	806
Calgary/Springbank	13	3,776	17	17	45	15	251
Chicoutimi/St-Honoré	41	480	6	9	13	6	88
Edmonton City Centre	20	2,981	19	15	23	13	181
Edmonton International	5	11,350	20	15	41	20	487
Edmonton/Villeneuve	40	571	15	13	11	29	50
Fort McMurray	15	3,463	5	15	25	5	195
Fredericton International	23	2,483	12	9	19	12	189
Gander International	35	1,227	14	14	13	13	92
Halifax/Robert L. Stanfield International	8	6,146	20	8	21	20	262
Hamilton	29	1,752	11	0	11	18	109
Kelowna	16	3,247	10	15	18	21	163
Kitchener/Waterloo	25	2,238	6	16	30	6	247
Langley	39	784	8	14	26	8	108
London	26	2,061	6	14	21	6	176
Moncton/Greater Moncton International	24	2,278	12	13	16	12	169
Montréal/Pierre Elliott Trudeau International	4	17,212	13	18	60	13	686
Montréal/St-Hubert	19	2,981	11	15	50	6	379
Oshawa	34	1,412	6	14	33	6	193
Ottawa/Macdonald-Cartier International	6	9,042	6	14	46	6	465
Pitt Meadows	37	918	8	13	32	8	182
Prince George	33	1,463	17	11	12	5	77
Québec/Jean Lesage International	9	5,889	6	10	37	6	355
Regina International	18	2,988	14	16	21	20	156
Saskatoon/John G. Diefenbaker International	12	4,240	14	15	26	14	218
Sault Ste. Marie	32	1,482	12	17	17	12	107
St. John's International	17	3,191	13	12	14	13	143
St-Jean	42	324	6	14	15	6	49
Thunder Bay	14	3,596	7	14	22	7	189
Toronto/Billy Bishop Toronto City	10	5,497	12	12	26	6	283
Toronto/Buttonville Municipal	28	1,934	6	11	38	6	298
Toronto/Lester B. Pearson International	1	34,570	7	16	102	14	1,284
Vancouver Harbour	22	2,541	7	15	26	12	137
Vancouver International	2	22,469	18	9	69	21	879
Victoria International	11	5,313	8	12	32	14	297
Whitehorse International	38	788	12	16	8	12	45
Windsor	36	1,114	14	10	12	14	78
Winnipeg/James Armstrong Richardson International	7	8,862	13	12	33	19	396
Winnipeg/St. Andrews	27	1,945	20	13	26	4	152
Yellowknife	21	2,763	5	10	17	5	146

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	400	4	16	7	7	35
Campbell River	25	842	8	12	13	14	65
Castlegar	50	254	27	15	6	13	22
Charlottetown	36	626	11	19	7	13	34
Churchill	37	612	11	14	6	27	30
Cranbrook	32	732	24	16	8	6	33
Deer Lake	12	1,218	7	19	11	10	55
Fort Nelson	24	925	18	8	15	19	71
Fort St. John	13	1,185	5	14	15	5	89
Grande Prairie	6	1,815	4	9	14	14	99
High Level	49	345	5	11	8	5	26
Îles-de-la-Madeleine	48	355	16	14	5	7	18
Inuvik/Mike Zubko	33	730	7	13	10	7	57
Iqaluit	14	1,148	14	14	9	12	54
Kamloops	9	1,485	8	15	13	12	90
Kenora	40	518	5	17	7	5	41
Kingston	19	1,005	11	13	14	6	75
Kuujuuaq	26	840	2	14	8	3	41
La Grande Rivière	38	599	3	11	6	14	33
La Ronge	17	1,063	14	11	12	12	69
Lethbridge	15	1,072	3	12	11	6	63
Lloydminster	39	551	15	16	10	15	41
Medicine Hat	29	779	6	15	10	13	50
Mont-Joli	34	676	1	10	7	14	35
Montréal/Mirabel International	16	1,064	19	9	13	6	75
Nanaimo	18	1,017	8	14	14	12	67
Norman Wells	31	733	4	14	9	14	47
North Bay	21	960	12	13	12	12	75
Ottawa/Gatineau	35	640	15	14	15	6	92
Peace River	41	482	3	9	6	13	32
Penticton	44	466	6	15	7	6	32
Port Hardy	46	447	4	10	5	17	28
Prince Albert	10	1,432	5	8	14	5	85
Prince Rupert	51	187	5	15	5	18	13
Rankin Inlet	30	742	4	12	9	4	47
Red Deer Regional	11	1,305	15	14	20	13	102
Rouyn-Noranda	23	928	4	17	9	4	67
Saint John	20	961	11	10	8	11	54
Sept-Îles	4	1,896	11	15	15	21	103
Sioux Lookout	2	2,262	18	16	16	14	122
Smithers	42	479	12	13	10	12	36
St. Catharines	27	821	14	11	13	6	63
Sudbury	3	1,906	11	14	19	19	120
Terrace	28	819	20	10	9	20	45
Thompson	1	2,341	17	14	13	20	136
Timmins	5	1,890	13	10	13	19	96
Val-d'Or	22	952	12	14	13	12	67
Victoria Harbour	7	1,554	12	8	16	12	93
Wabush	8	1,501	11	11	13	20	84
Whitecourt	45	456	5	16	9	6	36
Williams Lake	43	473	11	9	7	14	28

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	6	3,172	5	15	98	14	302
Boundary Bay	3	3,630	2	13	76	14	314
Calgary International	37	100	16	8	8	1	22
Calgary/Springbank	1	5,766	4	13	80	6	422
Chicoutimi/St-Honoré	15	1,282	6	11	72	6	398
Edmonton City Centre	27	624	6	17	24	13	52
Edmonton International	35	240	3	15	8	10	26
Edmonton/Villeneuve	9	2,686	16	15	72	16	284
Fort McMurray	34	278	15	15	18	15	34
Fredericton International	5	3,240	29	18	46	16	324
Gander International	30	470	2	10	20	14	96
Halifax/Robert L. Stanfield International	32	318	6	12	18	6	60
Hamilton	33	298	6	13	16	6	50
Kelowna	17	1,144	1	11	42	4	126
Kitchener/Waterloo	7	3,102	6	19	78	6	412
Langley	22	986	3	13	38	28	90
London	14	1,406	19	10	48	19	188
Moncton/Greater Moncton International	20	1,070	1	14	30	12	168
Montréal/Pierre Elliott Trudeau International	39	68	3	14	16	3	24
Montréal/St-Hubert	4	3,424	3	14	88	12	492
Oshawa	16	1,168	11	19	34	11	134
Ottawa/Macdonald-Cartier International	11	2,174	6	13	46	6	260
Pitt Meadows	13	1,464	14	15	60	8	206
Prince George	25	710	7	13	38	8	94
Québec/Jean Lesage International	12	1,528	7	15	62	6	290
Regina International	24	812	14	16	32	7	112
Saskatoon/John G. Diefenbaker International	21	1,002	7	9	40	15	134
Sault Ste. Marie	19	1,072	13	15	56	7	182
St. John's International	40	62	8	11	12	8	22
St-Jean	23	860	12	14	38	7	118
Thunder Bay	31	450	7	13	38	5	84
Toronto/Billy Bishop Toronto City	18	1,072	9	8	46	12	152
Toronto/Buttville Municipal	10	2,182	24	9	52	6	282
Toronto/Lester B. Pearson International	38	74	27	22	4	28	12
Vancouver Harbour	42	2	29	9	2	29	2
Vancouver International	41	18	5	12	2	5	2
Victoria International	8	3,084	10	11	66	10	342
Whitehorse International	36	172	11	15	14	17	32
Windsor	28	558	1	14	40	11	92
Winnipeg/James Armstrong Richardson International	26	694	18	13	22	18	106
Winnipeg/St. Andrews	2	3,854	7	18	62	6	412
Yellowknife	29	544	5	11	32	5	52

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	16	294	20	17	20	11	48
Campbell River	5	948	14	12	58	8	148
Castlegar	37	20	30	11	12	30	12
Charlottetown	36	20	16	13	4	6	4
Churchill	0	0	0	0	0	0	0
Cranbrook	27	56	1	16	20	1	32
Deer Lake	19	124	16	9	24	13	58
Fort Nelson	39	18	1	14	4	1	4
Fort St. John	26	58	19	15	18	14	28
Grande Prairie	10	666	16	14	40	14	74
High Level	47	4	21	13	4	21	4
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	40	18	5	13	8	5	8
Iqaluit	33	28	11	12	4	11	8
Kamloops	6	822	14	15	36	12	118
Kenora	32	36	5	11	12	5	12
Kingston	7	802	23	13	28	7	76
Kuujuuaq	29	42	23	16	6	23	12
La Grande Rivière	45	6	17	17	2	19	4
La Ronge	20	121	27	11	16	27	28
Lethbridge	9	704	14	15	40	22	108
Lloydminster	17	172	15	11	14	15	26
Medicine Hat	22	114	6	13	16	6	30
Mont-Joli	34	28	16	13	10	16	18
Montréal/Mirabel International	4	1,190	15	12	28	7	134
Nanaimo	11	630	8	11	38	12	118
Norman Wells	12	600	17	16	14	17	52
North Bay	1	1,400	6	10	50	6	200
Ottawa/Gatineau	2	1,318	15	13	58	15	186
Peace River	41	16	8	17	10	8	12
Penticton	13	432	7	13	22	9	54
Port Hardy	28	50	6	11	24	6	30
Prince Albert	43	10	30	16	4	30	4
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	44	8	14	17	2	17	4
Red Deer Regional	3	1,248	11	15	48	13	164
Rouyn-Noranda	38	18	2	9	2	2	2
Saint John	18	168	9	16	14	9	28
Sept-Îles	23	90	16	14	24	16	40
Sioux Lookout	21	114	21	15	18	21	26
Smithers	30	40	12	11	36	12	36
St. Catharines	8	798	7	16	44	3	86
Sudbury	14	430	7	19	28	7	84
Terrace	42	14	20	15	8	20	8
Thompson	24	76	20	13	26	20	34
Timmins	35	20	30	14	10	30	12
Val-d'Or	25	68	11	16	8	11	14
Victoria Harbour	46	4	3	16	2	3	2
Wabush	48	2	28	21	2	28	2
Whitecourt	15	424	10	15	42	10	90
Williams Lake	31	40	5	13	8	11	18

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	6	3,172	5	15	98	14	302
Boundary Bay	3	3,630	2	13	76	14	314
Calgary International	37	100	16	8	8	1	22
Calgary/Springbank	1	5,766	4	13	80	6	422
Chicoutimi/St-Honoré	15	1,274	6	11	72	6	398
Edmonton City Centre	27	624	6	17	24	13	52
Edmonton International	35	234	3	15	8	10	26
Edmonton/Villeneuve	9	2,686	16	15	72	16	284
Fort McMurray	34	278	15	15	18	15	34
Fredericton International	5	3,236	29	18	46	16	324
Gander International	30	470	2	10	20	14	96
Halifax/Robert L. Stanfield International	32	300	6	12	18	6	58
Hamilton	33	292	6	13	16	6	50
Kelowna	17	1,144	1	11	42	4	126
Kitchener/Waterloo	7	3,102	6	19	78	6	412
Langley	21	986	3	13	38	28	90
London	14	1,402	19	10	48	19	188
Moncton/Greater Moncton International	20	1,060	1	14	30	12	166
Montréal/Pierre Elliott Trudeau International	39	68	3	14	16	3	24
Montréal/St-Hubert	4	3,424	3	14	88	12	492
Oshawa	16	1,164	11	19	34	11	134
Ottawa/Macdonald-Cartier International	11	2,166	6	13	46	6	260
Pitt Meadows	13	1,464	14	15	60	8	206
Prince George	24	710	7	13	38	8	94
Québec/Jean Lesage International	12	1,522	7	15	62	6	288
Regina International	26	656	14	16	30	7	92
Saskatoon/John G. Diefenbaker International	22	978	7	9	40	15	134
Sault Ste. Marie	18	1,072	13	15	56	7	182
St. John's International	40	62	8	11	12	8	22
St-Jean	23	860	12	14	38	7	118
Thunder Bay	31	450	7	13	38	5	84
Toronto/Billy Bishop Toronto City	19	1,072	9	8	46	12	152
Toronto/Buttonville Municipal	10	2,182	24	9	52	6	282
Toronto/Lester B. Pearson International	38	74	27	22	4	28	12
Vancouver Harbour	42	2	29	9	2	29	2
Vancouver International	41	18	5	12	2	5	2
Victoria International	8	3,084	10	11	66	10	342
Whitehorse International	36	172	11	15	14	17	32
Windsor	28	558	1	14	40	11	92
Winnipeg/James Armstrong Richardson International	25	694	18	13	22	18	106
Winnipeg/St. Andrews	2	3,854	7	18	62	6	412
Yellowknife	29	544	5	11	32	5	52

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	16	294	20	17	20	11	48
Campbell River	5	946	14	12	58	8	148
Castlegar	35	20	30	11	12	30	12
Charlottetown	43	8	7	14	2	7	2
Churchill	0	0	0	0	0	0	0
Cranbrook	29	40	1	16	10	1	16
Deer Lake	19	124	16	9	24	13	58
Fort Nelson	38	18	1	14	4	1	4
Fort St. John	26	58	19	15	18	14	28
Grande Prairie	10	666	16	14	40	14	74
High Level	46	4	21	13	4	21	4
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	37	18	5	13	8	5	8
Iqaluit	33	28	11	12	4	11	8
Kamloops	6	822	14	15	36	12	118
Kenora	32	36	5	11	12	5	12
Kingston	8	796	23	13	28	7	76
Kuujuuaq	28	42	23	16	6	23	12
La Grande Rivière	45	6	17	17	2	19	4
La Ronge	20	121	27	11	16	27	28
Lethbridge	9	680	14	15	40	22	108
Lloydminster	17	172	15	11	14	15	26
Medicine Hat	21	114	6	13	16	6	30
Mont-Joli	34	28	16	13	10	16	18
Montréal/Mirabel International	4	1,152	15	12	28	7	120
Nanaimo	11	630	8	11	38	12	118
Norman Wells	12	600	17	16	14	17	52
North Bay	1	1,392	11	12	50	6	198
Ottawa/Gatineau	2	1,318	15	13	58	15	186
Peace River	40	16	8	17	10	8	12
Penticton	13	432	7	13	22	9	54
Port Hardy	27	50	6	11	24	6	30
Prince Albert	42	10	30	16	4	30	4
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	44	8	14	17	2	17	4
Red Deer Regional	3	1,248	11	15	48	13	164
Rouyn-Noranda	39	18	2	9	2	2	2
Saint John	18	164	9	16	14	9	28
Sept-Îles	23	88	16	14	24	16	40
Sioux Lookout	22	114	21	15	18	21	26
Smithers	30	40	12	11	36	12	36
St. Catharines	7	798	7	16	44	3	86
Sudbury	14	430	7	19	28	7	84
Terrace	41	14	20	15	8	20	8
Thompson	24	76	20	13	26	20	34
Timmins	36	20	30	14	10	30	12
Val-d'Or	25	68	11	16	8	11	14
Victoria Harbour	47	4	3	16	2	3	2
Wabush	48	2	28	21	2	28	2
Whitecourt	15	424	10	15	42	10	90
Williams Lake	31	40	5	13	8	11	18

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	0	0	0	0	0	0	0
Boundary Bay	0	0	0	0	0	0	0
Calgary International	0	0	0	0	0	0	0
Calgary/Springbank	0	0	0	0	0	0	0
Chicoutimi/St-Honoré	6	8	8	13	8	8	8
Edmonton City Centre	0	0	0	0	0	0	0
Edmonton International	8	6	12	14	2	12	2
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	0	0	0	0	0	0	0
Fredericton International	10	4	3	10	2	3	2
Gander International	0	0	0	0	0	0	0
Halifax/Robert L. Stanfield International	3	18	16	13	6	16	6
Hamilton	7	6	18	16	4	18	4
Kelowna	0	0	0	0	0	0	0
Kitchener/Waterloo	0	0	0	0	0	0	0
Langley	0	0	0	0	0	0	0
London	11	4	20	13	4	20	4
Moncton/Greater Moncton International	4	10	3	11	2	6	4
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	0	0	0	0	0	0	0
Oshawa	12	4	5	18	2	5	2
Ottawa/Macdonald-Cartier International	5	8	14	15	6	14	6
Pitt Meadows	0	0	0	0	0	0	0
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	9	6	6	13	2	6	2
Regina International	1	156	5	17	10	20	32
Saskatoon/John G. Diefenbaker International	2	24	12	12	4	7	6
Sault Ste. Marie	0	0	0	0	0	0	0
St. John's International	0	0	0	0	0	0	0
St-Jean	0	0	0	0	0	0	0
Thunder Bay	0	0	0	0	0	0	0
Toronto/Billy Bishop Toronto City	0	0	0	0	0	0	0
Toronto/Buttonville Municipal	0	0	0	0	0	0	0
Toronto/Lester B. Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	0	0	0	0	0	0	0
Vancouver International	0	0	0	0	0	0	0
Victoria International	0	0	0	0	0	0	0
Whitehorse International	0	0	0	0	0	0	0
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	0	0	0	0	0	0	0
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	8	2	12	11	2	12	2
Castlegar	0	0	0	0	0	0	0
Charlottetown	4	12	16	13	4	6	4
Churchill	0	0	0	0	0	0	0
Cranbrook	3	16	1	16	10	1	16
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	6	6	11	13	6	11	6
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	2	24	18	18	12	18	22
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	0	0	0	0	0	0	0
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	1	38	7	15	12	7	14
Nanaimo	0	0	0	0	0	0	0
Norman Wells	0	0	0	0	0	0	0
North Bay	5	8	6	10	2	6	2
Ottawa/Gatineau	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	0
Penticton	0	0	0	0	0	0	0
Port Hardy	0	0	0	0	0	0	0
Prince Albert	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	7	4	6	12	2	6	4
Sept-Îles	9	2	17	11	2	17	2
Sioux Lookout	0	0	0	0	0	0	0
Smithers	0	0	0	0	0	0	0
St. Catharines	0	0	0	0	0	0	0
Sudbury	0	0	0	0	0	0	0
Terrace	0	0	0	0	0	0	0
Thompson	0	0	0	0	0	0	0
Timmins	0	0	0	0	0	0	0
Val-d'Or	0	0	0	0	0	0	0
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.

Starting in November 2011, WestJet launched its new twice-weekly seasonal service from Toronto to San Juan, Puerto Rico, two new flights flying out of London to Las Vegas and Cancun, Mexico. It has also increased service between Edmonton and Calgary from five to seven flights daily, and increased service between Vancouver and Toronto for the winter from five to six flights daily.

Starting in October 2011, Porter Airlines increased weekday roundtrip flights between Toronto/Billy Bishop Toronto City and Boston/Logan International Airport.

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.