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



February 2012



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Statistics Canada
Transportation Division

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

February 2012

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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 407,036 aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in February 2012 compared with 358,656 movements in February 2011. The growth in aircraft movements can be partly attributed to the extra day for the leap year.

Itinerant movements (flights from one airport to another) increased 10.4% (+27,604 movements) in February 2012 from the same month the previous year. These airports reported 292,230 movements compared with 264,626 movements in February 2011.

In February 2012, there were 114,806 local movements (flights that remain in the vicinity of the airport) recorded. This represents an increase of 22.1% (+20,776 movements) compared with the previous year.

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, February 2011 to February 2012	number	Percentage change, February 2011 to February 2012	number	Percentage change, February 2011 to February 2012
Grand total	331,287	13.8	75,749	12.3	407,036	13.5
Itinerant movements						
Air carriers	191,955	8.1	45,637	8.4	237,592	8.2
Other commercial movements	18,725	22.0	1,961	9.2	20,686	20.7
Private movements	19,321	26.6	6,545	37.3	25,866	29.2
Government civil movements	3,909	0.4	1,560	2.4	5,469	1.0
Government military movements	2,048	27.9	569	-25.8	2,617	10.5
Itinerant total	235,958	10.4	56,272	10.5	292,230	10.4
Local movements						
Civil local movements	95,027	23.2	19,391	18.7	114,418	22.4
Military local movements	302	-17.0	86	-58.9	388	-32.3
Local total	95,329	23.0	19,477	17.7	114,806	22.1

Analysis

There were 407,036 aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in February 2012 compared with 358,656 movements in February 2011. The growth in aircraft movements can be partly attributed to the extra day for the leap year. Year-over-year increases were reported by 70 airports. Toronto/Lester B. Pearson International, Ontario (33,534 movements) followed by Vancouver International, British Columbia (21,935 movements) were the most active sites in February 2012.

Itinerant movements (flights from one airport to another) increased 10.4% (+27,604 movements) in February 2012 from the same month the previous year. These airports reported 292,230 movements compared with 264,626 movements in February 2011. Year-over-year variations ranged from an increase of 2,282 movements (+56.1%) at Toronto/Billy Bishop Toronto City, Ontario to a drop of 449 movements (-31.4%) at Montreal/Mirabel International, Quebec. Seventy-one airports reported year-over-year increases in the number of itinerant aircraft movements in February 2012.

In February 2012, there were 114,806 local movements (flights that remain in the vicinity of the airport) recorded. This represents an increase of 22.1% (+20,776 movements) compared with the previous year. Calgary/Springbank, Alberta (6,734 movements) followed by Thunder Bay, Ontario (6,124 movements) recorded the largest number of local movements.

Itinerant movements: domestic, transborder and international

There were 240,428 domestic itinerant movements reported by 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in February 2012, up 11.7% (+25,130 movements) from February 2011. Vancouver International, British Columbia (16,240 movements) followed by Calgary International, Alberta (14,866 movements) reported the greatest number of domestic itinerant movements. Seventy-one airports reported year-over-year increases in the number of domestic movements in February 2012.

Seventy-four airports recorded 39,142 transborder itinerant movements (between Canada and the United States) in February 2012, up 5% from February 2011. Toronto/Lester B. Pearson International, Ontario (14,742 movements) reported the greatest number of transborder itinerant movements.

In February 2012, forty-five airports reported 12,660 other international itinerant movements, up 5.0% from February 2011. Toronto/Lester B. Pearson International, Ontario, recorded 5,466 other international itinerant movements. This represents 43.2% 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
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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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401-0017	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA flight service stations, monthly

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

Selected surveys from Statistics Canada

2715	Aircraft Movement Statistics
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Selected summary tables from Statistics Canada

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

Statistical tables

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

	Total		Itinerant		Local	
	Rank of movements	Number of movements	Rank of movements	Number of movements	Rank of movements	Number of movements
Abbotsford	13	9,079	26	3,061	4	6,018
Boundary Bay	16	8,315	22	3,387	7	4,928
Calgary International	3	18,889	3	18,761	38	128
Calgary/Springbank	8	11,258	15	4,524	1	6,734
Chicoutimi/St-Honoré	32	4,097	38	1,285	13	2,812
Edmonton City Centre	28	4,450	16	4,100	35	350
Edmonton International	6	11,670	5	11,268	33	402
Edmonton/Villeneuve	29	4,425	41	657	11	3,768
Fort McMurray	33	3,993	18	3,495	32	498
Fredericton International	23	5,690	25	3,176	16	2,514
Gander International	41	1,709	37	1,317	34	392
Halifax/Robert L. Stanfield International	21	6,569	10	6,225	36	344
Hamilton	38	2,327	35	1,791	31	536
Kelowna	25	4,758	23	3,352	25	1,406
Kitchener/Waterloo	22	6,461	28	2,883	12	3,578
Langley	31	4,361	33	1,881	18	2,480
London	18	7,423	20	3,433	9	3,990
Moncton/Greater Moncton International	27	4,474	29	2,834	22	1,640
Montréal/Pierre Elliott Trudeau International	4	18,591	4	18,489	39	102
Montréal/St-Hubert	9	11,002	14	4,880	3	6,122
Oshawa	34	3,581	34	1,861	21	1,720
Ottawa/Macdonald-Cartier International	5	13,402	6	10,614	14	2,788
Pitt Meadows	19	7,209	31	2,231	6	4,978
Prince George	36	3,233	36	1,683	23	1,550
Québec/Jean Lesage International	12	9,475	8	6,887	15	2,588
Regina International	26	4,683	24	3,271	24	1,412
Saskatoon/John G. Diefenbaker International	17	7,654	12	5,384	19	2,270
Sault Ste. Marie	30	4,405	32	1,903	17	2,502
St. John's International	37	3,101	27	2,895	37	206
St-Jean	42	1,665	42	377	26	1,288
Thunder Bay	7	11,404	13	5,280	2	6,124
Toronto/Billy Bishop Toronto City	15	8,363	9	6,349	20	2,014
Toronto/Buttonville Municipal	14	8,550	19	3,454	5	5,096
Toronto/Lester B. Pearson International	1	33,534	1	33,500	41	34
Vancouver Harbour	35	3,413	21	3,407	42	6
Vancouver International	2	21,935	2	21,897	40	38
Victoria International	11	10,034	11	6,182	10	3,852
Whitehorse International	39	2,262	39	1,278	28	984
Windsor	40	2,082	40	1,277	30	805
Winnipeg/James Armstrong Richardson International	10	10,121	7	9,189	29	932
Winnipeg/St. Andrews	20	6,608	30	2,450	8	4,158
Yellowknife	24	5,032	17	3,790	27	1,242
Total of NAV CANADA towers (42)	.	331,287	.	235,958	.	95,329

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	29	1,285	34	743	14	542
Campbell River	19	1,631	27	973	13	658
Castlegar	48	550	50	388	23	162
Charlottetown	40	745	38	679	32	66
Churchill	41	704	36	698	46	6
Cranbrook	37	830	33	754	31	76
Deer Lake	20	1,544	18	1,286	22	258
Fort Nelson	28	1,378	17	1,298	30	80
Fort St. John	7	2,453	10	1,517	7	936
Grande Prairie	3	3,056	6	2,008	6	1,048
High Level	49	480	49	442	39	38
Îles-de-la-Madeleine	47	550	46	547	47	3
Inuvik/Mike Zubko	39	761	39	673	28	88
Iqaluit	30	1,236	19	1,190	35	46
Kamloops	13	2,022	11	1,502	15	520
Kenora	35	854	37	694	24	160
Kingston	12	2,066	16	1,310	11	756
Kuujuuaq	36	849	31	785	33	64
La Grande Rivière	46	583	43	583	0	0
La Ronge	21	1,516	14	1,416	26	100
Lethbridge	14	1,994	20	1,188	10	806
Lloydminster	31	1,105	35	733	21	372
Medicine Hat	26	1,432	25	994	17	438
Mont-Joli	44	592	42	590	48	2
Montréal/Mirabel International	8	2,417	26	979	4	1,438
Nanaimo	18	1,662	21	1,180	16	482
Norman Wells	34	951	30	848	25	103
North Bay	1	3,331	12	1,463	1	1,868
Ottawa/Gatineau	5	2,920	15	1,310	2	1,610
Peace River	42	701	41	619	29	82
Penticton	23	1,476	40	622	9	854
Port Hardy	45	592	45	566	44	26
Prince Albert	24	1,475	13	1,435	38	40
Prince Rupert	51	295	51	267	43	28
Rankin Inlet	38	776	32	776	0	0
Red Deer Regional	2	3,233	8	1,683	3	1,550
Rouyn-Noranda	32	1,078	23	1,048	41	30
Saint John	25	1,452	24	1,028	18	424
Sept-Îles	6	2,600	4	2,228	20	372
Sioux Lookout	10	2,341	3	2,301	37	40
Smithers	50	477	48	475	49	2
St. Catharines	16	1,954	29	870	5	1,084
Sudbury	4	3,055	1	2,375	12	680
Terrace	33	982	28	936	36	46
Thompson	9	2,412	2	2,351	34	61
Timmins	15	1,970	7	1,936	40	34
Val-d'Or	22	1,501	22	1,109	19	392
Victoria Harbour	11	2,189	5	2,165	45	24
Wabush	17	1,714	9	1,620	27	94
Whitecourt	27	1,381	47	521	8	860
Williams Lake	43	598	44	570	42	28
Total of all flight service stations (51)	.	75,749	.	56,272	.	19,477

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	9,061	2,355	688	6,018	18	18	0
Boundary Bay	8,315	2,304	1,083	4,928	0	0	0
Calgary International	18,804	17,276	1,400	128	85	85	0
Calgary/Springbank	11,257	3,203	1,320	6,734	1	1	0
Chicoutimi/St-Honoré	4,091	1,192	93	2,806	6	0	6
Edmonton City Centre	4,427	2,876	1,203	348	23	21	2
Edmonton International	11,608	10,524	686	398	62	58	4
Edmonton/Villeneuve	4,425	408	249	3,768	0	0	0
Fort McMurray	3,985	2,814	675	496	8	6	2
Fredericton International	5,680	3,052	114	2,514	10	10	0
Gander International	1,576	1,052	132	392	133	133	0
Halifax/Robert L. Stanfield International	6,433	5,824	271	338	136	130	6
Hamilton	2,327	1,550	241	536	0	0	0
Kelowna	4,745	3,067	272	1,406	13	13	0
Kitchener/Waterloo	6,441	2,129	748	3,564	20	6	14
Langley	4,361	1,068	813	2,480	0	0	0
London	7,413	2,896	531	3,986	10	6	4
Moncton/Greater Moncton International	4,468	2,652	178	1,638	6	4	2
Montréal/Pierre Elliott Trudeau International	18,581	17,452	1,029	100	10	8	2
Montréal/St-Hubert	10,896	4,027	749	6,120	106	104	2
Oshawa	3,574	1,271	585	1,718	7	5	2
Ottawa/Macdonald-Cartier International	13,285	9,925	576	2,784	117	113	4
Pitt Meadows	7,209	1,195	1,036	4,978	0	0	0
Prince George	3,233	1,385	298	1,550	0	0	0
Québec/Jean Lesage International	9,406	6,014	822	2,570	69	51	18
Regina International	4,514	2,813	427	1,274	169	31	138
Saskatoon/John G. Diefenbaker International	7,469	4,615	650	2,204	185	119	66
Sault Ste. Marie	4,399	1,824	77	2,498	6	2	4
St. John's International	2,985	2,509	270	206	116	116	0
St-Jean	1,603	165	150	1,288	62	62	0
Thunder Bay	11,372	4,979	277	6,116	32	24	8
Toronto/Billy Bishop Toronto City	8,342	6,035	293	2,014	21	21	0
Toronto/Buttonville Municipal	8,549	2,118	1,335	5,096	1	1	0
Toronto/Lester B. Pearson International	33,532	32,484	1,014	34	2	2	0
Vancouver Harbour	3,411	3,373	32	6	2	2	0
Vancouver International	21,906	21,095	773	38	29	29	0
Victoria International	9,855	5,128	875	3,852	179	179	0
Whitehorse International	2,207	1,051	188	968	55	39	16
Windsor	2,078	1,044	229	805	4	4	0
Winnipeg/James Armstrong Richardson International	9,908	8,425	551	932	213	213	0
Winnipeg/St. Andrews	6,608	2,227	223	4,158	0	0	0
Yellowknife	4,598	3,284	74	1,240	434	432	2
Total of NAV CANADA towers (42)	328,937	210,680	23,230	95,027	2,350	2,048	302

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

	Civil movements			Military movements				
	Total	Itinerant		Local	Total	Itinerant		Local
		Commercial	Private and government			Commercial	Private and government	
	number							
Brandon Municipal	1,035	282	241	512	250	220	30	
Campbell River	1,631	788	185	658	0	0	0	
Castlegar	544	333	49	162	6	6	0	
Charlottetown	726	597	73	56	19	9	10	
Churchill	704	686	12	6	0	0	0	
Cranbrook	826	657	93	76	4	4	0	
Deer Lake	1,528	1,200	70	258	16	16	0	
Fort Nelson	1,368	1,221	67	80	10	10	0	
Fort St. John	2,441	1,202	303	936	12	12	0	
Grande Prairie	3,056	1,604	404	1,048	0	0	0	
High Level	474	394	42	38	6	6	0	
Îles-de-la-Madeleine	550	472	75	3	0	0	0	
Inuvik/Mike Zubko	761	653	20	88	0	0	0	
Iqaluit	1,228	1,112	70	46	8	8	0	
Kamloops	2,018	1,213	285	520	4	4	0	
Kenora	805	583	84	138	49	27	22	
Kingston	2,024	949	319	756	42	42	0	
Kuujuuaq	849	763	22	64	0	0	0	
La Grande Rivière	583	569	14	0	0	0	0	
La Ronge	1,516	1,361	55	100	0	0	0	
Lethbridge	1,982	773	403	806	12	12	0	
Lloydminster	1,089	509	208	372	16	16	0	
Medicine Hat	1,417	775	206	436	15	13	2	
Mont-Joli	590	540	48	2	2	2	0	
Montréal/Mirabel International	2,397	820	155	1,422	20	4	16	
Nanaimo	1,662	755	425	482	0	0	0	
Norman Wells	951	840	8	103	0	0	0	
North Bay	3,312	1,108	336	1,868	19	19	0	
Ottawa/Gatineau	2,908	698	600	1,610	12	12	0	
Peace River	697	542	73	82	4	4	0	
Penticton	1,472	459	159	854	4	4	0	
Port Hardy	577	462	91	24	15	13	2	
Prince Albert	1,447	1,256	151	40	28	28	0	
Prince Rupert	291	238	25	28	4	4	0	
Rankin Inlet	776	768	8	0	0	0	0	
Red Deer Regional	3,221	1,046	625	1,550	12	12	0	
Rouyn-Noranda	1,074	926	118	30	4	4	0	
Saint John	1,433	791	222	420	19	15	4	
Sept-Îles	2,600	2,065	163	372	0	0	0	
Sioux Lookout	2,337	2,214	83	40	4	4	0	
Smithers	473	418	53	2	4	4	0	
St. Catharines	1,944	520	340	1,084	10	10	0	
Sudbury	3,051	2,099	272	680	4	4	0	
Terrace	982	885	51	46	0	0	0	
Thompson	2,412	2,188	163	61	0	0	0	
Timmins	1,966	1,793	139	34	4	4	0	
Val-d'Or	1,500	934	174	392	1	1	0	
Victoria Harbour	2,181	2,063	94	24	8	8	0	
Wabush	1,714	1,520	100	94	0	0	0	
Whitecourt	1,377	457	60	860	4	4	0	
Williams Lake	594	497	69	28	4	4	0	
Total of all flight service stations (51)	75,094	47,598	8,105	19,391	655	569	86	

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	3,061	450	1,825	80	613	75	18
Boundary Bay	3,387	7	565	1,732	1,053	30	0
Calgary International	18,761	16,126	737	413	1,256	144	85
Calgary/Springbank	4,524	18	814	2,371	1,306	14	1
Chicoutimi/St-Honoré	1,285	355	32	805	90	3	0
Edmonton City Centre	4,100	1,226	525	1,125	621	582	21
Edmonton International	11,268	10,284	197	43	682	4	58
Edmonton/Villeneuve	657	0	70	338	249	0	0
Fort McMurray	3,495	1,654	1,124	36	639	36	6
Fredericton International	3,176	681	2,371	0	70	44	10
Gander International	1,317	987	49	16	101	31	133
Halifax/Robert L. Stanfield International	6,225	5,505	315	4	236	35	130
Hamilton	1,791	1,416	125	9	166	75	0
Kelowna	3,352	2,530	350	187	242	30	13
Kitchener/Waterloo	2,883	387	1,690	52	747	1	6
Langley	1,881	2	74	992	807	6	0
London	3,433	1,153	357	1,386	470	61	6
Moncton/Greater Moncton International	2,834	1,592	1,058	2	55	123	4
Montréal/Pierre Elliott Trudeau International	18,489	16,543	853	56	849	180	8
Montréal/St-Hubert	4,880	2,488	531	1,008	678	71	104
Oshawa	1,861	46	54	1,171	501	84	5
Ottawa/Macdonald-Cartier International	10,614	7,999	161	1,765	233	343	113
Pitt Meadows	2,231	3	865	327	1,008	28	0
Prince George	1,683	1,105	272	8	192	106	0
Québec/Jean Lesage International	6,887	4,179	1,478	357	571	251	51
Regina International	3,271	2,210	572	31	294	133	31
Saskatoon/John G. Diefenbaker International	5,384	3,384	963	268	378	272	119
Sault Ste. Marie	1,903	1,037	62	725	53	24	2
St. John's International	2,895	2,239	255	15	86	184	116
St-Jean	377	0	104	61	149	1	62
Thunder Bay	5,280	3,292	178	1,509	178	99	24
Toronto/Billy Bishop Toronto City	6,349	4,791	412	832	275	18	21
Toronto/Buttonville Municipal	3,454	201	1,863	54	1,295	40	1
Toronto/Lester B. Pearson International	33,500	32,012	446	26	1,002	12	2
Vancouver Harbour	3,407	3,102	265	6	32	0	2
Vancouver International	21,897	19,780	1,236	79	495	278	29
Victoria International	6,182	2,862	1,994	272	838	37	179
Whitehorse International	1,278	744	304	3	166	22	39
Windsor	1,277	513	504	27	219	10	4
Winnipeg/James Armstrong Richardson International	9,189	8,144	256	25	188	363	213
Winnipeg/St. Andrews	2,450	381	1,341	505	222	1	0
Yellowknife	3,790	2,690	590	4	16	58	432
Total of NAV CANADA towers (42)	235,958	164,118	27,837	18,725	19,321	3,909	2,048

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	743	102	163	17	220	21	220
Campbell River	973	596	136	56	164	21	0
Castlegar	388	213	61	59	49	0	6
Charlottetown	679	569	24	4	31	42	9
Churchill	698	650	34	2	4	8	0
Cranbrook	754	620	32	5	91	2	4
Deer Lake	1,286	1,126	74	0	10	60	16
Fort Nelson	1,298	493	728	0	55	12	10
Fort St. John	1,517	797	401	4	277	26	12
Grande Prairie	2,008	1,066	480	58	382	22	0
High Level	442	283	109	2	36	6	6
Îles-de-la-Madeleine	547	324	146	2	5	70	0
Inuvik/Mike Zubko	673	467	118	68	0	20	0
Iqaluit	1,190	1,039	34	39	37	33	8
Kamloops	1,502	932	260	21	228	57	4
Kenora	694	499	76	8	31	53	27
Kingston	1,310	463	248	238	302	17	42
Kuujuuaq	785	726	29	8	0	22	0
La Grande Rivière	583	461	102	6	8	6	0
La Ronge	1,416	1,343	14	4	11	44	0
Lethbridge	1,188	403	26	344	389	14	12
Lloydminster	733	197	289	23	185	23	16
Medicine Hat	994	523	228	24	195	11	13
Mont-Joli	590	423	103	14	16	32	2
Montréal/Mirabel International	979	720	92	8	155	0	4
Nanaimo	1,180	336	391	28	401	24	0
Norman Wells	848	556	284	0	4	4	0
North Bay	1,463	583	359	166	290	46	19
Ottawa/Gatineau	1,310	159	320	219	549	51	12
Peace River	619	473	67	2	63	10	4
Penticton	622	264	181	14	153	6	4
Port Hardy	566	438	23	1	34	57	13
Prince Albert	1,435	1,223	25	8	65	86	28
Prince Rupert	267	237	1	0	8	17	4
Rankin Inlet	776	745	0	23	0	8	0
Red Deer Regional	1,683	237	650	159	605	20	12
Rouyn-Noranda	1,048	739	185	2	86	32	4
Saint John	1,028	641	92	58	216	6	15
Sept-Îles	2,228	1,393	630	42	95	68	0
Sioux Lookout	2,301	1,955	167	92	13	70	4
Smithers	475	374	44	0	31	22	4
St. Catharines	870	5	488	27	333	7	10
Sudbury	2,375	1,870	205	24	230	42	4
Terrace	936	552	333	0	32	19	0
Thompson	2,351	1,844	341	3	15	148	0
Timmins	1,936	1,688	105	0	106	33	4
Val-d'Or	1,109	843	87	4	144	30	1
Victoria Harbour	2,165	2,059	4	0	6	88	8
Wabush	1,620	1,217	299	4	78	22	0
Whitecourt	521	40	346	71	56	4	4
Williams Lake	570	401	96	0	51	18	4
Total of all flight service stations (51)	56,272	35,907	9,730	1,961	6,545	1,560	569

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	3,061	674	22.0	2,387	77.9	1,036
Boundary Bay	3,387	192	5.6	3,195	94.3	456
Calgary International	18,761	17,811	94.9	950	5.0	373
Calgary/Springbank	4,524	322	7.1	4,202	92.8	82
Chicoutimi/St-Honoré	1,285	176	13.6	1,109	86.3	42
Edmonton City Centre	4,100	1,953	47.6	2,147	52.3	1,217
Edmonton International	11,268	10,810	95.9	458	4.0	492
Edmonton/Villeneuve	657	50	7.6	607	92.3	119
Fort McMurray	3,495	2,107	60.2	1,388	39.7	111
Fredericton International	3,176	877	27.6	2,299	72.3	111
Gander International	1,317	901	68.4	416	31.5	47
Halifax/Robert L. Stanfield International	6,225	5,949	95.5	276	4.4	83
Hamilton	1,791	1,609	89.8	182	10.1	647
Kelowna	3,352	2,555	76.2	797	23.7	349
Kitchener/Waterloo	2,883	587	20.3	2,296	79.6	511
Langley	1,881	34	1.8	1,847	98.1	475
London	3,433	1,288	37.5	2,145	62.4	215
Moncton/Greater Moncton International	2,834	1,756	61.9	1,078	38.0	59
Montréal/Pierre Elliott Trudeau International	18,489	18,089	97.8	400	2.1	656
Montréal/St-Hubert	4,880	1,538	31.5	3,342	68.4	550
Oshawa	1,861	81	4.3	1,780	95.6	468
Ottawa/Macdonald-Cartier International	10,614	8,485	79.9	2,129	20.0	403
Pitt Meadows	2,231	29	1.2	2,202	98.7	1,295
Prince George	1,683	1,257	74.6	426	25.3	294
Québec/Jean Lesage International	6,887	5,125	74.4	1,762	25.5	608
Regina International	3,271	2,530	77.3	741	22.6	57
Saskatoon/John G. Diefenbaker International	5,384	3,903	72.4	1,481	27.5	126
Sault Ste. Marie	1,903	1,098	57.6	805	42.3	87
St. John's International	2,895	2,674	92.3	221	7.6	52
St-Jean	377	4	1.0	373	98.9	242
Thunder Bay	5,280	3,424	64.8	1,856	35.1	63
Toronto/Billy Bishop Toronto City	6,349	5,030	79.2	1,319	20.7	1,298
Toronto/Buttonville Municipal	3,454	547	15.8	2,907	84.1	784
Toronto/Lester B. Pearson International	33,500	33,479	99.9	21	0.0	146
Vancouver Harbour	3,407	75	2.2	3,332	97.7	1,148
Vancouver International	21,897	19,144	87.4	2,753	12.5	6,396
Victoria International	6,182	3,309	53.5	2,873	46.4	2,481
Whitehorse International	1,278	514	40.2	764	59.7	262
Windsor	1,277	683	53.4	594	46.5	55
Winnipeg/James Armstrong Richardson International	9,189	8,485	92.3	704	7.6	229
Winnipeg/St. Andrews	2,450	67	2.7	2,383	97.2	91
Yellowknife	3,790	1,852	48.8	1,938	51.1	583
Total of NAV CANADA towers (42)	235,958	171,073	72.5	64,885	27.5	24,799

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	743	276	37.1	467	62.8	12
Campbell River	973	546	56.1	427	43.8	201
Castlegar	388	244	62.8	144	37.1	59
Charlottetown	679	601	88.5	78	11.4	22
Churchill	698	660	94.5	38	5.4	6
Cranbrook	754	659	87.4	95	12.5	87
Deer Lake	1,286	1,171	91.0	115	8.9	25
Fort Nelson	1,298	548	42.2	750	57.7	41
Fort St. John	1,517	867	57.1	650	42.8	92
Grande Prairie	2,008	1,269	63.1	739	36.8	83
High Level	442	242	54.7	200	45.2	36
Îles-de-la-Madeleine	547	424	77.5	123	22.4	148
Inuvik/Mike Zubko	673	267	39.6	406	60.3	13
Iqaluit	1,190	1,063	89.3	127	10.6	0
Kamloops	1,502	1,077	71.7	425	28.2	252
Kenora	694	437	62.9	257	37.0	97
Kingston	1,310	554	42.2	756	57.7	125
Kuujuuaq	785	372	47.3	413	52.6	1
La Grande Rivière	583	504	86.4	79	13.5	74
La Ronge	1,416	684	48.3	732	51.6	273
Lethbridge	1,188	535	45.0	653	54.9	24
Lloydminster	733	259	35.3	474	64.6	46
Medicine Hat	994	509	51.2	485	48.7	79
Mont-Joli	590	564	95.5	26	4.4	4
Montréal/Mirabel International	979	797	81.4	182	18.5	691
Nanaimo	1,180	472	40.0	708	60.0	414
Norman Wells	848	198	23.3	650	76.6	17
North Bay	1,463	669	45.7	794	54.2	369
Ottawa/Gatineau	1,310	203	15.4	1,107	84.5	194
Peace River	619	415	67.0	204	32.9	6
Penticton	622	223	35.8	399	64.1	50
Port Hardy	566	209	36.9	357	63.0	138
Prince Albert	1,435	1,312	91.4	123	8.5	26
Prince Rupert	267	216	80.8	51	19.1	3
Rankin Inlet	776	741	95.4	35	4.5	1
Red Deer Regional	1,683	343	20.3	1,340	79.6	296
Rouyn-Noranda	1,048	998	95.2	50	4.7	12
Saint John	1,028	828	80.5	200	19.4	38
Sept-Îles	2,228	1,804	80.9	424	19.0	250
Sioux Lookout	2,301	1,815	78.8	486	21.1	160
Smithers	475	378	79.5	97	20.4	266
St. Catharines	870	115	13.2	755	86.7	157
Sudbury	2,375	1,828	76.9	547	23.0	56
Terrace	936	559	59.7	377	40.2	157
Thompson	2,351	1,518	64.5	833	35.4	12
Timmins	1,936	1,748	90.2	188	9.7	38
Val-d'Or	1,109	867	78.1	242	21.8	108
Victoria Harbour	2,165	123	5.6	2,042	94.3	637
Wabush	1,620	1,427	88.0	193	11.9	62
Whitecourt	521	66	12.6	455	87.3	36
Williams Lake	570	425	74.5	145	25.4	91
Total of all flight service stations (51)	56,272	34,629	61.5	21,643	38.5	6,085

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	3,061	442	137	1,463	1,019	0
Boundary Bay	3,387	14	28	3,213	132	0
Calgary International	18,761	12,370	5,360	271	760	0
Calgary/Springbank	4,524	70	70	3,476	908	0
Chicoutimi/St-Honoré	1,285	4	103	967	210	1
Edmonton City Centre	4,100	317	1,543	1,512	727	1
Edmonton International	11,268	6,547	4,349	343	29	0
Edmonton/Villeneuve	657	17	16	526	98	0
Fort McMurray	3,495	1,175	1,089	752	479	0
Fredericton International	3,176	65	837	2,181	91	2
Gander International	1,317	316	543	342	116	0
Halifax/Robert L. Stanfield International	6,225	3,377	2,493	97	258	0
Hamilton	1,791	1,091	510	98	92	0
Kelowna	3,352	1,211	1,381	519	241	0
Kitchener/Waterloo	2,883	195	352	2,204	132	0
Langley	1,881	0	2	1,602	277	0
London	3,433	354	956	2,026	97	0
Moncton/Greater Moncton International	2,834	757	974	1,060	43	0
Montréal/Pierre Elliott Trudeau International	18,489	11,797	6,272	249	170	1
Montréal/St-Hubert	4,880	200	981	3,503	196	0
Oshawa	1,861	26	31	1,700	104	0
Ottawa/Macdonald-Cartier International	10,614	5,661	2,914	1,786	253	0
Pitt Meadows	2,231	0	6	2,053	172	0
Prince George	1,683	449	828	218	188	0
Québec/Jean Lesage International	6,887	1,254	3,772	1,053	808	0
Regina International	3,271	1,741	681	814	34	1
Saskatoon/John G. Diefenbaker International	5,384	1,904	1,911	1,485	84	0
Sault Ste. Marie	1,903	54	1,053	766	30	0
St. John's International	2,895	1,073	1,523	24	275	0
St-Jean	377	0	0	352	21	4
Thunder Bay	5,280	396	3,102	1,595	187	0
Toronto/Billy Bishop Toronto City	6,349	8	4,921	1,166	254	0
Toronto/Buttonville Municipal	3,454	49	286	2,901	218	0
Toronto/Lester B. Pearson International	33,500	27,341	6,133	22	4	0
Vancouver Harbour	3,407	0	1,871	819	717	0
Vancouver International	21,897	11,110	8,350	1,715	722	0
Victoria International	6,182	1,020	2,104	2,688	370	0
Whitehorse International	1,278	341	435	346	156	0
Windsor	1,277	72	658	537	10	0
Winnipeg/James Armstrong Richardson International	9,189	4,864	3,739	437	149	0
Winnipeg/St. Andrews	2,450	0	407	1,854	189	0
Yellowknife	3,790	647	2,060	211	872	0
Total of NAV CANADA towers (42)	235,958	98,329	74,781	50,946	11,892	10

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	743	23	222	414	84	0
Campbell River	973	12	622	176	163	0
Castlegar	388	4	251	78	55	0
Charlottetown	679	261	333	41	44	0
Churchill	698	12	650	2	34	0
Cranbrook	754	42	586	116	10	0
Deer Lake	1,286	148	1,036	24	78	0
Fort Nelson	1,298	112	424	87	675	0
Fort St. John	1,517	300	597	249	371	0
Grande Prairie	2,008	252	898	507	351	0
High Level	442	8	290	79	65	0
Îles-de-la-Madeleine	547	20	404	101	22	0
Inuvik/Mike Zubko	673	90	384	13	186	0
Iqaluit	1,190	330	824	10	26	0
Kamloops	1,502	102	912	288	200	0
Kenora	694	6	472	107	109	0
Kingston	1,310	27	504	703	76	0
Kuujuuaq	785	147	629	1	8	0
La Grande Rivière	583	78	503	2	0	0
La Ronge	1,416	2	1,097	217	100	0
Lethbridge	1,188	54	427	692	15	0
Lloydminster	733	18	250	439	26	0
Medicine Hat	994	32	515	418	29	0
Mont-Joli	590	10	537	28	15	0
Montréal/Mirabel International	979	508	293	28	150	0
Nanaimo	1,180	14	328	770	68	0
Norman Wells	848	180	261	125	282	0
North Bay	1,463	63	626	257	517	0
Ottawa/Gatineau	1,310	7	251	883	169	0
Peace River	619	12	446	116	45	0
Penticton	622	9	256	177	180	0
Port Hardy	566	2	413	59	92	0
Prince Albert	1,435	12	1,277	112	34	0
Prince Rupert	267	11	204	2	50	0
Rankin Inlet	776	167	609	0	0	0
Red Deer Regional	1,683	56	374	1,191	60	2
Rouyn-Noranda	1,048	109	913	26	0	0
Saint John	1,028	159	648	184	37	0
Sept-Îles	2,228	72	1,646	245	265	0
Sioux Lookout	2,301	0	1,975	278	48	0
Smithers	475	17	390	22	46	0
St. Catharines	870	9	30	707	124	0
Sudbury	2,375	38	1,788	282	267	0
Terrace	936	32	550	14	340	0
Thompson	2,351	27	1,888	254	182	0
Timmins	1,936	11	1,791	92	42	0
Val-d'Or	1,109	110	815	115	69	0
Victoria Harbour	2,165	0	1,365	85	715	0
Wabush	1,620	28	1,337	72	183	0
Whitecourt	521	14	45	56	406	0
Williams Lake	570	14	419	49	88	0
Total of all flight service stations (51)	56,272	3,771	34,305	10,993	7,201	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	2,152	293	135	31	7	14	420	9	0	0
Boundary Bay	3,179	181	22	5	0	0	0	0	0	0
Calgary International	657	397	1,645	1,831	953	4,235	7,558	603	254	628
Calgary/Springbank	4,015	306	168	29	6	0	0	0	0	0
Chicoutimi/St-Honoré	1,018	164	99	3	0	0	1	0	0	0
Edmonton City Centre	1,890	386	1,373	299	130	22	0	0	0	0
Edmonton International	251	199	890	1,123	585	2,727	4,850	277	185	181
Edmonton/Villeneuve	578	49	19	11	0	0	0	0	0	0
Fort McMurray	1,047	330	419	419	56	826	398	0	0	0
Fredericton International	2,232	120	217	212	98	278	11	0	0	8
Gander International	335	5	44	470	191	180	17	52	3	20
Halifax/Robert L. Stanfield International	55	234	305	1,111	726	1,328	1,906	185	224	151
Hamilton	102	230	155	339	127	32	254	0	421	131
Kelowna	633	112	211	577	93	764	952	1	9	0
Kitchener/Waterloo	2,268	88	325	53	54	37	58	0	0	0
Langley	1,758	104	10	0	9	0	0	0	0	0
London	2,044	84	258	141	375	374	157	0	0	0
Moncton/Greater Moncton International	1,083	101	134	433	58	583	183	0	259	0
Montréal/Pierre Elliott Trudeau International	298	109	742	763	2,686	6,005	5,107	1,454	8	1,317
Montréal/St-Hubert	3,023	599	704	407	132	6	7	2	0	0
Oshawa	1,726	65	23	32	15	0	0	0	0	0
Ottawa/Macdonald-Cartier International	1,844	148	1,015	325	523	3,115	3,000	300	36	308
Pitt Meadows	2,099	128	4	0	0	0	0	0	0	0
Prince George	355	42	169	558	21	365	173	0	0	0
Québec/Jean Lesage International	1,574	281	927	745	1,218	1,662	376	11	0	93
Regina International	702	146	340	312	28	848	739	0	82	74
Saskatoon/John G. Diefenbaker International	1,237	321	807	742	229	1,075	856	0	42	75
Sault Ste. Marie	787	61	516	51	175	276	37	0	0	0
St. John's International	15	26	235	603	648	455	737	90	84	2
St-Jean	375	0	2	0	0	0	0	0	0	0
Thunder Bay	1,568	178	2,236	215	27	831	225	0	0	0
Toronto/Billy Bishop Toronto City	1,182	81	318	202	0	4,564	0	2	0	0
Toronto/Buttonville Municipal	2,873	241	258	54	15	13	0	0	0	0
Toronto/Lester B. Pearson International	6	154	301	1,662	3,378	7,461	13,466	3,599	471	3,002
Vancouver Harbour	37	2,467	901	0	2	0	0	0	0	0
Vancouver International	361	2,627	790	2,702	1,521	4,553	5,964	1,033	415	1,931
Victoria International	2,318	848	143	507	734	1,040	517	41	34	0
Whitehorse International	438	123	148	137	13	264	155	0	0	0
Windsor	486	201	75	85	281	137	8	4	0	0
Winnipeg/James Armstrong Richardson International	299	383	2,606	285	773	1,725	2,167	223	613	115
Winnipeg/St. Andrews	1,907	511	31	0	0	1	0	0	0	0
Yellowknife	519	499	1,003	276	191	609	569	114	0	10
Total of NAV CANADA towers (42)	51,326	13,622	20,723	17,750	16,078	46,405	50,868	8,000	3,140	8,046

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	400	22	247	11	40	0	2	21	0	0
Campbell River	295	38	24	497	118	1	0	0	0	0
Castlegar	122	11	40	64	42	109	0	0	0	0
Charlottetown	34	125	26	176	54	177	83	4	0	0
Churchill	34	4	126	12	109	411	2	0	0	0
Cranbrook	77	49	48	308	76	196	0	0	0	0
Deer Lake	80	6	36	432	503	152	75	2	0	0
Fort Nelson	440	52	369	152	146	81	58	0	0	0
Fort St. John	557	62	196	263	158	261	20	0	0	0
Grande Prairie	634	232	396	100	26	433	187	0	0	0
High Level	112	68	141	121	0	0	0	0	0	0
Îles-de-la-Madeleine	3	120	137	116	139	32	0	0	0	0
Inuvik/Mike Zubko	98	93	332	10	2	50	88	0	0	0
Iqaluit	2	8	301	88	216	298	211	8	8	50
Kamloops	322	118	128	258	135	470	71	0	0	0
Kenora	84	58	529	7	6	4	0	6	0	0
Kingston	705	28	97	241	199	28	0	12	0	0
Kuujuuaq	8	1	476	6	100	67	106	0	1	20
La Grande Rivière	0	2	124	8	92	281	76	0	0	0
La Ronge	157	217	633	69	242	98	0	0	0	0
Lethbridge	573	133	122	306	39	13	2	0	0	0
Lloydminster	418	37	140	138	0	0	0	0	0	0
Medicine Hat	422	20	208	300	22	22	0	0	0	0
Mont-Joli	17	24	133	234	127	53	0	2	0	0
Montréal/Mirabel International	147	79	11	99	10	149	42	2	262	178
Nanaimo	465	365	29	17	12	292	0	0	0	0
Norman Wells	317	73	219	36	2	23	178	0	0	0
North Bay	718	86	329	60	185	40	39	6	0	0
Ottawa/Gatineau	964	111	84	141	0	8	0	2	0	0
Peace River	65	102	357	77	12	6	0	0	0	0
Penticton	320	37	21	94	4	146	0	0	0	0
Port Hardy	42	112	198	88	120	6	0	0	0	0
Prince Albert	91	37	202	393	350	362	0	0	0	0
Prince Rupert	2	5	53	32	51	124	0	0	0	0
Rankin Inlet	0	23	99	12	199	305	138	0	0	0
Red Deer Regional	1,114	137	274	97	16	44	1	0	0	0
Rouyn-Noranda	18	8	416	26	345	155	76	4	0	0
Saint John	102	196	102	219	216	184	0	9	0	0
Sept-Îles	285	224	505	411	551	236	16	0	0	0
Sioux Lookout	106	276	1,226	689	0	0	0	4	0	0
Smithers	58	15	61	191	47	103	0	0	0	0
St. Catharines	730	91	26	7	10	0	0	6	0	0
Sudbury	336	188	1,061	210	256	304	18	2	0	0
Terrace	302	48	110	171	103	202	0	0	0	0
Thompson	193	267	1,201	13	212	464	1	0	0	0
Timmins	96	116	871	90	442	321	0	0	0	0
Val-d'Or	159	27	274	31	397	138	74	1	8	0
Victoria Harbour	3	1,266	885	4	7	0	0	0	0	0
Wabush	173	76	392	413	448	118	0	0	0	0
Whitecourt	437	25	35	24	0	0	0	0	0	0
Williams Lake	122	19	20	403	2	2	2	0	0	0
Total of all flight service stations (51)	12,959	5,537	14,070	7,965	6,588	6,969	1,566	91	279	248

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Abbotsford							
Domestic	2,991	417	1,811	79	591	75	18
Transborder	44	7	14	1	22	0	0
Other international	26	26	0	0	0	0	0
Total	3,061	450	1,825	80	613	75	18
Boundary Bay							
Domestic	3,328	5	551	1,721	1,021	30	0
Transborder	58	2	14	11	31	0	0
Other international	1	0	0	0	1	0	0
Total	3,387	7	565	1,732	1,053	30	0
Calgary International							
Domestic	14,866	12,614	638	403	988	144	79
Transborder	3,190	2,823	94	10	259	0	4
Other international	705	689	5	0	9	0	2
Total	18,761	16,126	737	413	1,256	144	85
Calgary/Springbank							
Domestic	4,466	18	812	2,367	1,254	14	1
Transborder	58	0	2	4	52	0	0
Other international	0	0	0	0	0	0	0
Total	4,524	18	814	2,371	1,306	14	1
Chicoutimi/St-Honoré							
Domestic	1,284	354	32	805	90	3	0
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,285	355	32	805	90	3	0
Edmonton City Centre							
Domestic	4,059	1,211	522	1,116	607	582	21
Transborder	41	15	3	9	14	0	0
Other international	0	0	0	0	0	0	0
Total	4,100	1,226	525	1,125	621	582	21
Edmonton International							
Domestic	9,634	8,710	189	34	641	4	56
Transborder	1,370	1,312	8	8	40	0	2
Other international	264	262	0	1	1	0	0
Total	11,268	10,284	197	43	682	4	58
Edmonton/Villeneuve							
Domestic	655	0	70	338	247	0	0
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	657	0	70	338	249	0	0
Fort McMurray							
Domestic	3,492	1,653	1,124	36	637	36	6
Transborder	3	1	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	3,495	1,654	1,124	36	639	36	6
Fredericton International							
Domestic	3,167	674	2,371	0	68	44	10
Transborder	5	3	0	0	2	0	0
Other international	4	4	0	0	0	0	0
Total	3,176	681	2,371	0	70	44	10
Gander International							
Domestic	1,071	896	46	0	22	30	77
Transborder	110	32	1	9	37	1	30
Other international	136	59	2	7	42	0	26
Total	1,317	987	49	16	101	31	133

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	5,048	4,444	308	0	154	35	107
Transborder	827	733	4	1	74	0	15
Other international	350	328	3	3	8	0	8
Total	6,225	5,505	315	4	236	35	130
Hamilton							
Domestic	1,140	885	83	9	90	73	0
Transborder	574	466	31	0	75	2	0
Other international	77	65	11	0	1	0	0
Total	1,791	1,416	125	9	166	75	0
Kelowna							
Domestic	2,988	2,249	344	182	170	30	13
Transborder	315	232	6	5	72	0	0
Other international	49	49	0	0	0	0	0
Total	3,352	2,530	350	187	242	30	13
Kitchener/Waterloo							
Domestic	2,740	346	1,671	52	666	1	4
Transborder	133	32	19	0	80	0	2
Other international	10	9	0	0	1	0	0
Total	2,883	387	1,690	52	747	1	6
Langley							
Domestic	1,878	2	74	992	804	6	0
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	1,881	2	74	992	807	6	0
London							
Domestic	3,177	978	351	1,385	401	58	4
Transborder	221	142	4	1	69	3	2
Other international	35	33	2	0	0	0	0
Total	3,433	1,153	357	1,386	470	61	6
Moncton/Greater Moncton International							
Domestic	2,758	1,521	1,058	2	50	123	4
Transborder	65	61	0	0	4	0	0
Other international	11	10	0	0	1	0	0
Total	2,834	1,592	1,058	2	55	123	4
Montréal/Pierre Elliott Trudeau International							
Domestic	10,334	8,978	617	37	516	180	6
Transborder	5,687	5,157	200	14	315	0	1
Other international	2,468	2,408	36	5	18	0	1
Total	18,489	16,543	853	56	849	180	8
Montréal/St-Hubert							
Domestic	4,735	2,465	526	1,006	567	67	104
Transborder	142	22	5	2	109	4	0
Other international	3	1	0	0	2	0	0
Total	4,880	2,488	531	1,008	678	71	104
Oshawa							
Domestic	1,832	42	53	1,170	478	84	5
Transborder	26	4	1	0	21	0	0
Other international	3	0	0	1	2	0	0
Total	1,861	46	54	1,171	501	84	5
Ottawa/Macdonald-Cartier International							
Domestic	8,144	5,680	134	1,748	163	338	81
Transborder	1,967	1,831	22	17	65	5	27
Other international	503	488	5	0	5	0	5
Total	10,614	7,999	161	1,765	233	343	113

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	2,227	3	865	327	1,004	28	0
Transborder	3	0	0	0	3	0	0
Other international	1	0	0	0	1	0	0
Total	2,231	3	865	327	1,008	28	0
Prince George							
Domestic	1,665	1,092	272	8	187	106	0
Transborder	8	3	0	0	5	0	0
Other international	10	10	0	0	0	0	0
Total	1,683	1,105	272	8	192	106	0
Québec/Jean Lesage International							
Domestic	5,942	3,317	1,474	353	498	251	49
Transborder	646	568	4	3	71	0	0
Other international	299	294	0	1	2	0	2
Total	6,887	4,179	1,478	357	571	251	51
Regina International							
Domestic	2,778	1,770	563	30	254	132	29
Transborder	358	306	8	1	40	1	2
Other international	135	134	1	0	0	0	0
Total	3,271	2,210	572	31	294	133	31
Saskatoon/John G. Diefenbaker International							
Domestic	4,954	3,001	945	268	349	272	119
Transborder	323	276	18	0	29	0	0
Other international	107	107	0	0	0	0	0
Total	5,384	3,384	963	268	378	272	119
Sault Ste. Marie							
Domestic	1,884	1,029	59	724	46	24	2
Transborder	15	4	3	1	7	0	0
Other international	4	4	0	0	0	0	0
Total	1,903	1,037	62	725	53	24	2
St. John's International							
Domestic	2,632	2,119	252	0	51	184	26
Transborder	131	63	0	5	18	0	45
Other international	132	57	3	10	17	0	45
Total	2,895	2,239	255	15	86	184	116
St-Jean							
Domestic	377	0	104	61	149	1	62
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	377	0	104	61	149	1	62
Thunder Bay							
Domestic	5,218	3,244	176	1,508	167	99	24
Transborder	26	14	1	1	10	0	0
Other international	36	34	1	0	1	0	0
Total	5,280	3,292	178	1,509	178	99	24
Toronto/Billy Bishop Toronto City							
Domestic	5,164	3,695	406	822	202	18	21
Transborder	1,185	1,096	6	10	73	0	0
Other international	0	0	0	0	0	0	0
Total	6,349	4,791	412	832	275	18	21
Toronto/Buttonville Municipal							
Domestic	3,312	188	1,849	47	1,187	40	1
Transborder	138	12	14	7	105	0	0
Other international	4	1	0	0	3	0	0
Total	3,454	201	1,863	54	1,295	40	1

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	13,292	12,750	204	10	316	12	0
Transborder	14,742	13,882	194	13	651	0	2
Other international	5,466	5,380	48	3	35	0	0
Total	33,500	32,012	446	26	1,002	12	2
Vancouver Harbour							
Domestic	3,406	3,102	265	6	31	0	2
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	3,407	3,102	265	6	32	0	2
Vancouver International							
Domestic	16,240	14,431	1,187	56	268	278	20
Transborder	4,208	3,910	47	21	223	0	7
Other international	1,449	1,439	2	2	4	0	2
Total	21,897	19,780	1,236	79	495	278	29
Victoria International							
Domestic	5,590	2,400	1,976	271	727	37	179
Transborder	556	426	18	1	111	0	0
Other international	36	36	0	0	0	0	0
Total	6,182	2,862	1,994	272	838	37	179
Whitehorse International							
Domestic	1,253	740	301	3	152	22	35
Transborder	22	4	2	0	12	0	4
Other international	3	0	1	0	2	0	0
Total	1,278	744	304	3	166	22	39
Windsor							
Domestic	1,213	501	483	27	188	10	4
Transborder	52	4	17	0	31	0	0
Other international	12	8	4	0	0	0	0
Total	1,277	513	504	27	219	10	4
Winnipeg/James Armstrong Richardson International							
Domestic	7,802	6,870	223	12	128	363	206
Transborder	1,139	1,030	31	13	58	0	7
Other international	248	244	2	0	2	0	0
Total	9,189	8,144	256	25	188	363	213
Winnipeg/St. Andrews							
Domestic	2,443	381	1,337	505	219	1	0
Transborder	7	0	4	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	2,450	381	1,341	505	222	1	0
Yellowknife							
Domestic	3,789	2,689	590	4	16	58	432
Transborder	0	0	0	0	0	0	0
Other international	1	1	0	0	0	0	0
Total	3,790	2,690	590	4	16	58	432
Total of NAV CANADA towers (42)							
Domestic	184,968	117,464	26,916	18,524	16,364	3,893	1,807
Transborder	38,402	34,474	795	168	2,799	16	150
Other international	12,588	12,180	126	33	158	0	91
Total	235,958	164,118	27,837	18,725	19,321	3,909	2,048

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	727	100	163	17	206	21	220
Transborder	14	0	0	0	14	0	0
Other international	2	2	0	0	0	0	0
Total	743	102	163	17	220	21	220
Campbell River							
Domestic	958	596	135	56	150	21	0
Transborder	15	0	1	0	14	0	0
Other international	0	0	0	0	0	0	0
Total	973	596	136	56	164	21	0
Castlegar							
Domestic	360	213	61	59	21	0	6
Transborder	28	0	0	0	28	0	0
Other international	0	0	0	0	0	0	0
Total	388	213	61	59	49	0	6
Charlottetown							
Domestic	675	569	23	4	28	42	9
Transborder	3	0	0	0	3	0	0
Other international	1	0	1	0	0	0	0
Total	679	569	24	4	31	42	9
Churchill							
Domestic	697	650	34	2	3	8	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	698	650	34	2	4	8	0
Cranbrook							
Domestic	742	618	32	5	81	2	4
Transborder	12	2	0	0	10	0	0
Other international	0	0	0	0	0	0	0
Total	754	620	32	5	91	2	4
Deer Lake							
Domestic	1,286	1,126	74	0	10	60	16
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,286	1,126	74	0	10	60	16
Fort Nelson							
Domestic	1,298	493	728	0	55	12	10
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,298	493	728	0	55	12	10
Fort St. John							
Domestic	1,516	797	401	3	277	26	12
Transborder	1	0	0	1	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,517	797	401	4	277	26	12
Grande Prairie							
Domestic	2,006	1,066	480	58	380	22	0
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	2,008	1,066	480	58	382	22	0
High Level							
Domestic	442	283	109	2	36	6	6
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	442	283	109	2	36	6	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						
Îles-de-la-Madeleine							
Domestic	547	324	146	2	5	70	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	547	324	146	2	5	70	0
Inuvik/Mike Zubko							
Domestic	673	467	118	68	0	20	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	673	467	118	68	0	20	0
Iqaluit							
Domestic	1,142	1,017	30	36	20	33	6
Transborder	9	4	0	0	4	0	1
Other international	39	18	4	3	13	0	1
Total	1,190	1,039	34	39	37	33	8
Kamloops							
Domestic	1,475	929	260	21	204	57	4
Transborder	27	3	0	0	24	0	0
Other international	0	0	0	0	0	0	0
Total	1,502	932	260	21	228	57	4
Kenora							
Domestic	691	497	76	8	31	53	26
Transborder	3	2	0	0	0	0	1
Other international	0	0	0	0	0	0	0
Total	694	499	76	8	31	53	27
Kingston							
Domestic	1,291	461	245	236	290	17	42
Transborder	18	2	2	2	12	0	0
Other international	1	0	1	0	0	0	0
Total	1,310	463	248	238	302	17	42
Kuujuuaq							
Domestic	785	726	29	8	0	22	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	785	726	29	8	0	22	0
La Grande Rivière							
Domestic	583	461	102	6	8	6	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	583	461	102	6	8	6	0
La Ronge							
Domestic	1,416	1,343	14	4	11	44	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,416	1,343	14	4	11	44	0
Lethbridge							
Domestic	1,120	402	17	337	339	14	11
Transborder	68	1	9	7	50	0	1
Other international	0	0	0	0	0	0	0
Total	1,188	403	26	344	389	14	12
Lloydminster							
Domestic	732	196	289	23	185	23	16
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	733	197	289	23	185	23	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							
Medicine Hat							
Domestic	988	521	227	24	193	11	12
Transborder	5	2	0	0	2	0	1
Other international	1	0	1	0	0	0	0
Total	994	523	228	24	195	11	13
Mont-Joli							
Domestic	590	423	103	14	16	32	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	590	423	103	14	16	32	2
Montréal/Mirabel International							
Domestic	760	524	89	4	139	0	4
Transborder	212	193	0	4	15	0	0
Other international	7	3	3	0	1	0	0
Total	979	720	92	8	155	0	4
Nanaimo							
Domestic	1,171	333	388	28	398	24	0
Transborder	9	3	3	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	1,180	336	391	28	401	24	0
Norman Wells							
Domestic	848	556	284	0	4	4	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	848	556	284	0	4	4	0
North Bay							
Domestic	1,428	569	359	166	277	38	19
Transborder	27	6	0	0	13	8	0
Other international	8	8	0	0	0	0	0
Total	1,463	583	359	166	290	46	19
Ottawa/Gatineau							
Domestic	1,303	159	317	219	545	51	12
Transborder	7	0	3	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	1,310	159	320	219	549	51	12
Peace River							
Domestic	619	473	67	2	63	10	4
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	619	473	67	2	63	10	4
Penticton							
Domestic	619	263	181	14	151	6	4
Transborder	3	1	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	622	264	181	14	153	6	4
Port Hardy							
Domestic	564	438	23	1	32	57	13
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	566	438	23	1	34	57	13
Prince Albert							
Domestic	1,435	1,223	25	8	65	86	28
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,435	1,223	25	8	65	86	28

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Prince Rupert							
Domestic	264	237	1	0	6	17	3
Transborder	2	0	0	0	1	0	1
Other international	1	0	0	0	1	0	0
Total	267	237	1	0	8	17	4
Rankin Inlet							
Domestic	776	745	0	23	0	8	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	776	745	0	23	0	8	0
Red Deer Regional							
Domestic	1,672	236	650	159	595	20	12
Transborder	11	1	0	0	10	0	0
Other international	0	0	0	0	0	0	0
Total	1,683	237	650	159	605	20	12
Rouyn-Noranda							
Domestic	1,043	734	185	2	86	32	4
Transborder	2	2	0	0	0	0	0
Other international	3	3	0	0	0	0	0
Total	1,048	739	185	2	86	32	4
Saint John							
Domestic	968	637	92	58	160	6	15
Transborder	54	3	0	0	51	0	0
Other international	6	1	0	0	5	0	0
Total	1,028	641	92	58	216	6	15
Sept-Îles							
Domestic	2,225	1,393	630	42	92	68	0
Transborder	2	0	0	0	2	0	0
Other international	1	0	0	0	1	0	0
Total	2,228	1,393	630	42	95	68	0
Sioux Lookout							
Domestic	2,301	1,955	167	92	13	70	4
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	2,301	1,955	167	92	13	70	4
Smithers							
Domestic	474	374	44	0	30	22	4
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	475	374	44	0	31	22	4
St. Catharines							
Domestic	830	4	482	27	302	5	10
Transborder	40	1	6	0	31	2	0
Other international	0	0	0	0	0	0	0
Total	870	5	488	27	333	7	10
Sudbury							
Domestic	2,361	1,863	204	23	225	42	4
Transborder	13	6	1	1	5	0	0
Other international	1	1	0	0	0	0	0
Total	2,375	1,870	205	24	230	42	4
Terrace							
Domestic	933	552	333	0	29	19	0
Transborder	2	0	0	0	2	0	0
Other international	1	0	0	0	1	0	0
Total	936	552	333	0	32	19	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	2,351	1,844	341	3	15	148	0	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	2,351	1,844	341	3	15	148	0	
Timmins								
Domestic	1,934	1,688	104	0	105	33	4	
Transborder	2	0	1	0	1	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,936	1,688	105	0	106	33	4	
Val-d'Or								
Domestic	1,108	843	87	4	143	30	1	
Transborder	1	0	0	0	1	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,109	843	87	4	144	30	1	
Victoria Harbour								
Domestic	2,023	1,917	4	0	6	88	8	
Transborder	142	142	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	2,165	2,059	4	0	6	88	8	
Wabush								
Domestic	1,619	1,217	298	4	78	22	0	
Transborder	1	0	1	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,620	1,217	299	4	78	22	0	
Whitecourt								
Domestic	521	40	346	71	56	4	4	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	521	40	346	71	56	4	4	
Williams Lake								
Domestic	570	401	96	0	51	18	4	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	570	401	96	0	51	18	4	
Total of all flight service stations (51)								
Domestic	55,460	35,496	9,693	1,943	6,215	1,550	563	
Transborder	740	375	27	15	308	10	5	
Other international	72	36	10	3	22	0	1	
Total	56,272	35,907	9,730	1,961	6,545	1,560	569	

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	13	9,079	20	13	94	22	644
Boundary Bay	16	8,315	27	19	115	27	716
Calgary International	3	18,889	8	18	61	29	767
Calgary/Springbank	8	11,258	16	15	120	4	688
Chicoutimi/St-Honoré	32	4,097	7	18	76	21	368
Edmonton City Centre	28	4,450	5	15	28	8	231
Edmonton International	6	11,670	29	9	53	16	507
Edmonton/Villeneuve	29	4,425	1	16	63	16	272
Fort McMurray	33	3,993	15	11	33	15	211
Fredericton International	23	5,690	16	17	49	29	400
Gander International	41	1,709	7	15	32	29	114
Halifax/Robert L. Stanfield International	21	6,569	20	12	35	27	284
Hamilton	38	2,327	2	11	20	28	136
Kelowna	25	4,758	10	13	52	3	266
Kitchener/Waterloo	22	6,461	20	19	112	20	638
Langley	31	4,361	4	11	73	4	335
London	18	7,423	13	19	75	4	515
Moncton/Greater Moncton International	27	4,474	29	19	45	29	307
Montréal/Pierre Elliott Trudeau International	4	18,591	17	16	65	17	720
Montréal/St-Hubert	9	11,002	20	11	142	20	825
Oshawa	34	3,581	4	13	55	4	336
Ottawa/Macdonald-Cartier International	5	13,402	21	11	75	20	632
Pitt Meadows	19	7,209	26	16	104	27	623
Prince George	36	3,233	14	12	84	14	329
Québec/Jean Lesage International	12	9,475	3	14	80	21	548
Regina International	26	4,683	11	13	50	8	266
Saskatoon/John G. Diefenbaker International	17	7,654	2	18	55	2	387
Sault Ste. Marie	30	4,405	9	19	82	3	426
St. John's International	37	3,101	6	15	26	6	179
St-Jean	42	1,665	29	15	59	29	149
Thunder Bay	7	11,404	4	19	117	3	872
Toronto/Billy Bishop Toronto City	15	8,363	5	18	69	2	458
Toronto/Buttonville Municipal	14	8,550	20	13	131	20	857
Toronto/Lester B. Pearson International	1	33,534	17	18	98	17	1,277
Vancouver Harbour	35	3,413	2	16	26	23	158
Vancouver International	2	21,935	2	8	72	22	863
Victoria International	11	10,034	7	16	81	1	607
Whitehorse International	39	2,262	16	16	34	9	136
Windsor	40	2,082	1	16	39	4	165
Winnipeg/James Armstrong Richardson International	10	10,121	17	15	43	29	451
Winnipeg/St. Andrews	20	6,608	7	13	83	4	443
Yellowknife	24	5,032	13	15	61	23	262

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	29	1,285	15	19	31	1	119
Campbell River	19	1,631	13	15	42	14	166
Castlegar	48	550	10	13	45	10	54
Charlottetown	40	745	10	14	7	10	44
Churchill	41	704	18	14	8	14	37
Cranbrook	37	830	15	15	16	9	63
Deer Lake	20	1,544	1	9	27	1	118
Fort Nelson	28	1,378	22	17	24	21	100
Fort St. John	7	2,453	3	15	51	3	198
Grande Prairie	3	3,056	8	9	37	29	186
High Level	49	480	7	13	19	7	37
Îles-de-la-Madeleine	47	550	27	16	8	27	40
Inuvik/Mike Zubko	39	761	22	17	23	22	70
Iqaluit	30	1,236	23	18	14	9	76
Kamloops	13	2,022	4	14	31	15	151
Kenora	35	854	9	15	32	9	75
Kingston	12	2,066	4	13	40	4	228
Kuujuaq	36	849	25	16	13	24	44
La Grande Rivière	46	583	27	9	9	27	33
La Ronge	21	1,516	3	14	21	14	100
Lethbridge	14	1,994	3	14	37	5	140
Lloydminster	31	1,105	7	18	28	7	104
Medicine Hat	26	1,432	24	16	19	7	88
Mont-Joli	44	592	14	7	7	28	35
Montréal/Mirabel International	8	2,417	7	11	28	9	143
Nanaimo	18	1,662	11	16	25	27	134
Norman Wells	34	951	3	12	24	3	73
North Bay	1	3,331	2	10	60	2	349
Ottawa/Gatineau	5	2,920	4	13	66	4	294
Peace River	42	701	23	11	16	23	49
Penticton	23	1,476	8	14	38	15	116
Port Hardy	45	592	13	13	7	23	33
Prince Albert	24	1,475	17	14	18	3	94
Prince Rupert	51	295	26	20	8	1	27
Rankin Inlet	38	776	3	12	9	3	50
Red Deer Regional	2	3,233	8	15	66	8	305
Rouyn-Noranda	32	1,078	23	13	13	23	61
Saint John	25	1,452	26	16	22	5	103
Sept-Îles	6	2,600	29	15	57	29	228
Sioux Lookout	10	2,341	19	12	19	13	149
Smithers	50	477	9	10	8	23	32
St. Catharines	16	1,954	20	12	44	4	188
Sudbury	4	3,055	23	15	49	23	211
Terrace	33	982	24	14	18	23	57
Thompson	9	2,412	8	16	21	15	125
Timmins	15	1,970	20	15	17	22	103
Val-d'Or	22	1,501	28	9	38	29	127
Victoria Harbour	11	2,189	9	8	18	2	111
Wabush	17	1,714	28	10	28	28	105
Whitecourt	27	1,381	7	11	52	7	178
Williams Lake	43	598	18	12	11	6	31

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	26	3,061	3	14	29	3	204
Boundary Bay	22	3,387	7	15	56	27	304
Calgary International	3	18,761	8	18	61	29	765
Calgary/Springbank	15	4,524	3	13	43	4	306
Chicoutimi/St-Honoré	38	1,285	21	13	21	21	126
Edmonton City Centre	16	4,100	1	16	23	8	221
Edmonton International	5	11,268	16	7	45	16	495
Edmonton/Villeneuve	41	657	5	10	9	4	55
Fort McMurray	18	3,495	1	9	22	15	179
Fredericton International	25	3,176	24	10	22	14	203
Gander International	37	1,317	22	10	12	1	67
Halifax/Robert L. Stanfield International	10	6,225	23	10	23	13	252
Hamilton	35	1,791	1	1	9	22	99
Kelowna	23	3,352	3	11	18	3	166
Kitchener/Waterloo	28	2,883	20	14	32	20	234
Langley	33	1,881	4	15	30	4	161
London	20	3,433	4	12	27	8	223
Moncton/Greater Moncton International	29	2,834	23	10	15	3	161
Montréal/Pierre Elliott Trudeau International	4	18,489	17	16	65	17	718
Montréal/St-Hubert	14	4,880	28	14	40	20	333
Oshawa	34	1,861	7	9	34	26	191
Ottawa/Macdonald-Cartier International	6	10,614	13	9	44	2	471
Pitt Meadows	31	2,231	4	14	34	4	212
Prince George	36	1,683	27	9	17	28	79
Québec/Jean Lesage International	8	6,887	9	16	32	29	311
Regina International	24	3,271	3	16	18	29	147
Saskatoon/John G. Diefenbaker International	12	5,384	3	14	26	14	240
Sault Ste. Marie	32	1,903	9	14	17	9	119
St. John's International	27	2,895	10	17	13	6	127
St-Jean	42	377	5	14	7	19	41
Thunder Bay	13	5,280	10	15	28	3	286
Toronto/Billy Bishop Toronto City	9	6,349	19	14	36	20	276
Toronto/Buttonville Municipal	19	3,454	20	12	36	20	317
Toronto/Lester B. Pearson International	1	33,500	17	18	98	17	1,277
Vancouver Harbour	21	3,407	2	16	26	23	158
Vancouver International	2	21,897	2	8	72	22	863
Victoria International	11	6,182	4	14	36	1	305
Whitehorse International	39	1,278	13	14	12	1	68
Windsor	40	1,277	5	14	19	20	79
Winnipeg/James Armstrong Richardson International	7	9,189	2	15	37	29	399
Winnipeg/St. Andrews	30	2,450	7	13	27	7	148
Yellowknife	17	3,790	24	16	24	29	180

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	34	743	1	14	11	28	58
Campbell River	27	973	27	16	13	27	69
Castlegar	50	388	7	15	8	7	28
Charlottetown	38	679	8	15	6	7	34
Churchill	36	698	10	18	7	14	37
Cranbrook	33	754	3	15	7	27	39
Deer Lake	18	1,286	1	8	10	1	70
Fort Nelson	17	1,298	14	9	17	21	100
Fort St. John	10	1,517	7	11	14	1	79
Grande Prairie	6	2,008	14	9	14	7	101
High Level	49	442	22	11	8	1	29
Îles-de-la-Madeleine	46	547	27	16	8	27	40
Inuvik/Mike Zubko	39	673	22	18	13	22	54
Iqaluit	19	1,190	9	18	11	9	70
Kamloops	11	1,502	3	15	14	15	85
Kenora	37	694	7	11	8	14	51
Kingston	16	1,310	20	10	17	20	110
Kuujuuaq	31	785	6	16	7	8	42
La Grande Rivière	43	583	27	9	9	27	33
La Ronge	14	1,416	28	14	16	3	80
Lethbridge	20	1,188	5	14	13	5	76
Lloydminster	35	733	8	11	12	3	47
Medicine Hat	25	994	16	15	12	3	59
Mont-Joli	42	590	14	7	7	28	33
Montréal/Mirabel International	26	979	8	11	9	2	57
Nanaimo	21	1,180	4	11	15	27	78
Norman Wells	30	848	5	14	8	27	54
North Bay	12	1,463	2	10	16	2	115
Ottawa/Gatineau	15	1,310	4	13	24	4	126
Peace River	41	619	22	15	8	16	37
Penticton	40	622	2	13	7	15	52
Port Hardy	45	566	2	15	6	29	32
Prince Albert	13	1,435	3	11	13	3	88
Prince Rupert	51	267	1	13	6	1	27
Rankin Inlet	32	776	3	12	9	3	50
Red Deer Regional	8	1,683	4	13	17	8	109
Rouyn-Noranda	23	1,048	13	9	9	28	54
Saint John	24	1,028	3	17	7	9	54
Sept-Îles	4	2,228	14	14	21	14	124
Sioux Lookout	3	2,301	13	11	18	13	149
Smithers	48	475	9	10	8	23	32
St. Catharines	29	870	4	12	15	4	88
Sudbury	1	2,375	21	13	23	21	131
Terrace	28	936	28	14	11	28	55
Thompson	2	2,351	29	11	18	16	120
Timmins	7	1,936	22	16	15	22	103
Val-d'Or	22	1,109	24	11	17	10	68
Victoria Harbour	5	2,165	9	8	18	23	110
Wabush	9	1,620	8	10	12	23	78
Whitecourt	47	521	7	12	8	8	35
Williams Lake	44	570	28	9	8	6	31

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	4	6,018	20	13	82	22	508
Boundary Bay	7	4,928	7	18	92	27	412
Calgary International	38	128	24	13	18	24	22
Calgary/Springbank	1	6,734	16	15	100	16	410
Chicoutimi/St-Honoré	13	2,812	7	18	74	7	292
Edmonton City Centre	35	350	13	15	18	11	26
Edmonton International	33	402	29	9	30	29	64
Edmonton/Villeneuve	11	3,768	1	16	62	16	244
Fort McMurray	32	498	26	16	20	4	52
Fredericton International	16	2,514	16	17	34	29	200
Gander International	34	392	7	15	28	7	50
Halifax/Robert L. Stanfield International	36	344	20	12	18	15	40
Hamilton	31	536	2	11	16	4	56
Kelowna	25	1,406	10	13	36	1	136
Kitchener/Waterloo	12	3,578	20	19	102	20	404
Langley	18	2,480	4	11	54	4	174
London	9	3,990	28	19	62	4	304
Moncton/Greater Moncton International	22	1,640	29	19	32	29	148
Montréal/Pierre Elliott Trudeau International	39	102	27	14	18	27	24
Montréal/St-Hubert	3	6,122	20	11	108	20	492
Oshawa	21	1,720	8	18	36	8	174
Ottawa/Macdonald-Cartier International	14	2,788	21	11	52	4	238
Pitt Meadows	6	4,978	26	16	90	27	436
Prince George	23	1,550	14	12	78	14	260
Québec/Jean Lesage International	15	2,588	3	14	64	21	240
Regina International	24	1,412	11	13	34	4	126
Saskatoon/John G. Diefenbaker International	19	2,270	21	13	38	2	154
Sault Ste. Marie	17	2,502	9	19	78	3	316
St. John's International	37	206	6	15	18	6	52
St-Jean	26	1,288	29	15	56	29	136
Thunder Bay	2	6,124	4	19	114	3	586
Toronto/Billy Bishop Toronto City	20	2,014	5	18	54	2	206
Toronto/Buttonville Municipal	5	5,096	20	13	102	20	540
Toronto/Lester B. Pearson International	41	34	24	15	6	24	8
Vancouver Harbour	42	6	20	13	6	20	6
Vancouver International	40	38	4	10	6	4	16
Victoria International	10	3,852	15	13	52	1	302
Whitehorse International	28	984	16	16	30	9	84
Windsor	30	805	15	17	30	4	88
Winnipeg/James Armstrong Richardson International	29	932	20	13	18	20	68
Winnipeg/St. Andrews	8	4,158	4	10	64	4	308
Yellowknife	27	1,242	13	15	46	23	108

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	14	542	15	19	28	1	84
Campbell River	13	658	14	12	36	14	120
Castlegar	23	162	10	13	42	10	42
Charlottetown	32	66	25	13	6	10	16
Churchill	46	6	18	14	4	18	6
Cranbrook	31	76	15	15	12	9	30
Deer Lake	22	258	1	9	24	1	48
Fort Nelson	30	80	20	17	20	12	26
Fort St. John	7	936	3	15	44	3	122
Grande Prairie	6	1,048	15	19	28	29	98
High Level	39	38	7	13	18	7	18
Îles-de-la-Madeleine	47	3	21	11	3	21	3
Inuvik/Mike Zubko	28	88	15	17	20	15	30
Iqaluit	35	46	23	18	8	23	8
Kamloops	15	520	4	15	24	4	86
Kenora	24	160	9	15	28	9	46
Kingston	11	756	26	16	30	4	150
Kuuujuaq	33	64	12	16	10	12	16
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	26	100	3	14	12	14	22
Lethbridge	10	806	13	14	30	13	74
Lloydminster	21	372	7	18	24	7	68
Medicine Hat	17	438	24	16	16	7	40
Mont-Joli	48	2	28	19	2	28	2
Montréal/Mirabel International	4	1,438	28	9	24	21	94
Nanaimo	16	482	11	16	24	27	56
Norman Wells	25	103	3	12	18	3	32
North Bay	1	1,868	21	14	52	2	234
Ottawa/Gatineau	2	1,610	4	13	42	4	168
Peace River	29	82	15	14	12	15	18
Penticton	9	854	8	14	32	23	70
Port Hardy	44	26	14	20	6	14	6
Prince Albert	38	40	28	11	10	17	14
Prince Rupert	43	28	26	20	8	14	10
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	3	1,550	8	15	52	8	196
Rouyn-Noranda	41	30	23	13	10	23	10
Saint John	18	424	5	13	18	5	66
Sept-Îles	20	372	29	15	48	29	138
Sioux Lookout	37	40	19	12	12	19	16
Smithers	49	2	13	15	2	13	2
St. Catharines	5	1,084	26	15	32	28	128
Sudbury	12	680	23	15	44	23	110
Terrace	36	46	24	14	12	23	14
Thompson	34	61	6	10	13	8	24
Timmins	40	34	20	17	10	20	20
Val-d'Or	19	392	29	11	32	29	74
Victoria Harbour	45	24	2	12	4	2	8
Wabush	27	94	28	10	18	28	36
Whitecourt	8	860	7	11	48	7	148
Williams Lake	42	28	18	12	8	9	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	4	6,018	20	13	82	22	508
Boundary Bay	7	4,928	7	18	92	27	412
Calgary International	38	128	24	13	18	24	22
Calgary/Springbank	1	6,734	16	15	100	16	410
Chicoutimi/St-Honoré	13	2,806	7	18	74	7	292
Edmonton City Centre	35	348	13	15	18	11	26
Edmonton International	33	398	29	9	30	29	64
Edmonton/Villeneuve	11	3,768	1	16	62	16	244
Fort McMurray	32	496	26	16	20	4	52
Fredericton International	16	2,514	16	17	34	29	200
Gander International	34	392	7	15	28	7	50
Halifax/Robert L. Stanfield International	36	338	20	12	18	15	40
Hamilton	31	536	2	11	16	4	56
Kelowna	24	1,406	10	13	36	1	136
Kitchener/Waterloo	12	3,564	20	19	102	20	404
Langley	18	2,480	4	11	54	4	174
London	9	3,986	28	19	62	4	304
Moncton/Greater Moncton International	22	1,638	29	19	32	29	148
Montréal/Pierre Elliott Trudeau International	39	100	27	14	18	27	24
Montréal/St-Hubert	2	6,120	20	11	108	20	492
Oshawa	21	1,718	8	18	36	8	174
Ottawa/Macdonald-Cartier International	14	2,784	21	11	52	4	238
Pitt Meadows	6	4,978	26	16	90	27	436
Prince George	23	1,550	14	12	78	14	260
Québec/Jean Lesage International	15	2,570	3	14	64	21	234
Regina International	26	1,274	11	13	34	4	126
Saskatoon/John G. Diefenbaker International	19	2,204	21	13	38	2	150
Sault Ste. Marie	17	2,498	9	19	78	3	316
St. John's International	37	206	6	15	18	6	52
St-Jean	25	1,288	29	15	56	29	136
Thunder Bay	3	6,116	4	19	114	3	584
Toronto/Billy Bishop Toronto City	20	2,014	5	18	54	2	206
Toronto/Buttonville Municipal	5	5,096	20	13	102	20	540
Toronto/Lester B. Pearson International	41	34	24	15	6	24	8
Vancouver Harbour	42	6	20	13	6	20	6
Vancouver International	40	38	4	10	6	4	16
Victoria International	10	3,852	15	13	52	1	302
Whitehorse International	28	968	16	16	30	9	84
Windsor	30	805	15	17	30	4	88
Winnipeg/James Armstrong Richardson International	29	932	20	13	18	20	68
Winnipeg/St. Andrews	8	4,158	4	10	64	4	308
Yellowknife	27	1,240	13	15	46	23	108

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	15	512	15	19	28	1	84
Campbell River	13	658	14	12	36	14	120
Castlegar	23	162	10	13	42	10	42
Charlottetown	34	56	25	13	6	10	14
Churchill	46	6	18	14	4	18	6
Cranbrook	31	76	15	15	12	9	30
Deer Lake	22	258	1	9	24	1	48
Fort Nelson	30	80	20	17	20	12	26
Fort St. John	7	936	3	15	44	3	122
Grande Prairie	6	1,048	15	19	28	29	98
High Level	39	38	7	13	18	7	18
Îles-de-la-Madeleine	47	3	21	11	3	21	3
Inuvik/Mike Zubko	28	88	15	17	20	15	30
Iqaluit	35	46	23	18	8	23	8
Kamloops	14	520	4	15	24	4	86
Kenora	24	138	9	15	16	9	30
Kingston	11	756	26	16	30	4	150
Kuuujuaq	32	64	12	16	10	12	16
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	26	100	3	14	12	14	22
Lethbridge	10	806	13	14	30	13	74
Lloydminster	21	372	7	18	24	7	68
Medicine Hat	17	436	24	16	16	7	38
Mont-Joli	48	2	28	19	2	28	2
Montréal/Mirabel International	4	1,422	28	9	24	21	92
Nanaimo	16	482	11	16	24	27	56
Norman Wells	25	103	3	12	18	3	32
North Bay	1	1,868	21	14	52	2	234
Ottawa/Gatineau	2	1,610	4	13	42	4	168
Peace River	29	82	15	14	12	15	18
Penticton	9	854	8	14	32	23	70
Port Hardy	44	24	14	20	6	14	6
Prince Albert	38	40	28	11	10	17	14
Prince Rupert	42	28	26	20	8	14	10
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	3	1,550	8	15	52	8	196
Rouyn-Noranda	41	30	23	13	10	23	10
Saint John	18	420	5	13	18	5	66
Sept-Îles	20	372	29	15	48	29	138
Sioux Lookout	37	40	19	12	12	19	16
Smithers	49	2	13	15	2	13	2
St. Catharines	5	1,084	26	15	32	28	128
Sudbury	12	680	23	15	44	23	110
Terrace	36	46	24	14	12	23	14
Thompson	33	61	6	10	13	8	24
Timmins	40	34	20	17	10	20	20
Val-d'Or	19	392	29	11	32	29	74
Victoria Harbour	45	24	2	12	4	2	8
Wabush	27	94	28	10	18	28	36
Whitecourt	8	860	7	11	48	7	148
Williams Lake	43	28	18	12	8	9	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	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	8	6	2	11	4	2	4
Edmonton City Centre	14	2	9	18	2	9	2
Edmonton International	9	4	8	9	2	8	2
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	13	2	22	18	2	22	2
Fredericton International	0	0	0	0	0	0	0
Gander International	0	0	0	0	0	0	0
Halifax/Robert L. Stanfield International	7	6	6	19	2	6	2
Hamilton	0	0	0	0	0	0	0
Kelowna	0	0	0	0	0	0	0
Kitchener/Waterloo	5	14	25	17	6	25	12
Langley	0	0	0	0	0	0	0
London	11	4	23	15	2	23	2
Moncton/Greater Moncton International	16	2	2	11	2	2	2
Montréal/Pierre Elliott Trudeau International	15	2	17	14	2	17	2
Montréal/St-Hubert	18	2	21	14	2	21	2
Oshawa	19	2	10	12	2	10	2
Ottawa/Macdonald-Cartier International	10	4	10	13	2	10	2
Pitt Meadows	0	0	0	0	0	0	0
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	3	18	21	15	6	21	6
Regina International	1	138	13	13	8	13	16
Saskatoon/John G. Diefenbaker International	2	66	1	18	8	9	12
Sault Ste. Marie	12	4	6	13	2	6	2
St. John's International	0	0	0	0	0	0	0
St-Jean	0	0	0	0	0	0	0
Thunder Bay	6	8	9	13	6	9	6
Toronto/Billy Bishop Toronto City	0	0	0	0	0	0	0
Toronto/Buttonville Municipal	0	0	0	0	0	0	0
Toronto/Lester B. Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	0	0	0	0	0	0	0
Vancouver International	0	0	0	0	0	0	0
Victoria International	0	0	0	0	0	0	0
Whitehorse International	4	16	24	17	14	24	16
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	17	2	25	11	2	25	2

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	1	30	6	15	8	6	18
Campbell River	0	0	0	0	0	0	0
Castlegar	0	0	0	0	0	0	0
Charlottetown	4	10	9	13	2	9	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	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	2	22	9	15	12	9	16
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	6	2	7	19	2	7	2
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	3	16	14	11	10	14	10
Nanaimo	0	0	0	0	0	0	0
Norman Wells	0	0	0	0	0	0	0
North Bay	0	0	0	0	0	0	0
Ottawa/Gatineau	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	0
Penticton	0	0	0	0	0	0	0
Port Hardy	7	2	3	12	2	3	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	5	4	2	11	4	2	4
Sept-Îles	0	0	0	0	0	0	0
Sioux Lookout	0	0	0	0	0	0	0
Smithers	0	0	0	0	0	0	0
St. Catharines	0	0	0	0	0	0	0
Sudbury	0	0	0	0	0	0	0
Terrace	0	0	0	0	0	0	0
Thompson	0	0	0	0	0	0	0
Timmins	0	0	0	0	0	0	0
Val-d'Or	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

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.

Beginning in September 2011, Porter Airlines has added an additional daily roundtrip flight between Toronto/Billy Bishop Toronto City Airport and Sudbury as well as Myrtle Beach, S.C.

Westjet launched twice-weekly service from both Hamilton, Ontario and Prince George, British Columbia to Las Vegas, Nevada.

Bearskin Airlines has initiated daily non-stop flights between Kitchener/Waterloo and Montreal/Pierre Elliott Trudeau International Airport in May 2011.

In May 2011 WestJet has begun the reintroduction of flights from Hamilton, the addition of non-stop service from Vancouver and Calgary to Orange County, California and between Toronto and Montreal as well as between Toronto and Ottawa.

Effective in May 2011 Porter Airlines runs daily non-stop round trips from Toronto/Billy Bishop Toronto City Airport to Windsor and Sault Ste. Marie.

Starting May 1, 2011 Air Canada started cutting the following routes: Ottawa to Thunder Bay; Ottawa to Washington/Dulles International; Montreal to Washington/Dulles International; Calgary to London, Ontario; and Calgary to San Francisco.

Starting May 1, 2011 Air Canada began daily service between Toronto/Billy Bishop Toronto City Airport and Montreal/Pierre Elliott Trudeau International.

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.