

Catalogue no. 51-007-X

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



October 2011



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Statistics Canada
Transportation Division

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

October 2011

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- . not available for any reference period
- .. not available for a specific reference period
- ... not applicable
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- 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

Aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations decreased 2.8% in October 2011 from October 2010. These airports reported 488,078 movements compared with 502,224 movements in October 2010.

There were 347,208 itinerant movements (flights from one airport to another) reported in October 2011 compared with 347,168 itinerant movements in the same month the previous year.

In October 2011, there were 140,870 local movements (flights that remain in the vicinity of the airport) recorded. This represents a decrease of 9.1% (-14,186 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	percent	number	percent	number	percent
Grand total	390,741	-4.5	97,337	4.7	488,078	-2.8
Itinerant movements						
Air carriers	212,025	0.8	53,554	4.0	265,579	1.4
Other commercial movements	25,441	-10.0	3,360	5.9	28,801	-8.4
Private movements	28,442	-5.2	11,435	4.7	39,877	-2.5
Government civil movements	4,441	-9.3	1,957	2.4	6,398	-6.0
Government military movements	5,013	8.0	1,540	2.7	6,553	6.7
Itinerant total	275,362	-1.0	71,846	4.1	347,208	0.0
Local movements						
Civil local movements	114,969	-11.8	24,688	4.9	139,657	-9.2
Military local movements	410	-44.7	803	74.6	1,213	0.9
Local total	115,379	-12.0	25,491	6.3	140,870	-9.1

Analysis

Aircraft take-offs and landings at the 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations decreased 2.8% in October 2011 from October 2010. These airports reported 488,078 movements compared with 502,224 movements in October 2010. Year-over-year decreases were reported by 50 airports. Toronto/Lester B. Pearson International, Ontario (36,143 movements) followed by Vancouver International, British Columbia (24,341 movements) were the most active sites in October 2011.

There were 347,208 itinerant movements (flights from one airport to another) reported in October 2011 compared with 347,168 itinerant movements in the same month the previous year. Year-over-year variations ranged from an increase of 1,770 movements (+30.0%) at Toronto/Billy Bishop Toronto City, Ontario to a drop of 1,791 movements (-36.2%) at Pitt Meadows, British Columbia. Forty-three airports reported year-over-year increases in the number of itinerant aircraft movements in October 2011.

In October 2011, there were 140,870 local movements (flights that remain in the vicinity of the airport) recorded. This represents a decrease of 9.1% (-14,186 movements) compared with the previous year. Calgary/Springbank, Alberta (8,392 movements) followed by Boundary Bay, British Columbia (8,080 movements) recorded the largest number of local movements.

Itinerant movements: domestic, transborder and international

There were 295,738 domestic itinerant movements reported by 93 Canadian airports with NAV CANADA air traffic control towers and flight service stations in October 2011, up 0.4% (+1,281 movements) from October 2010. Vancouver International, British Columbia (18,185 movements) followed by Toronto/Lester B. Pearson International, Ontario (16,199 movements) reported the greatest number of domestic itinerant movements. Forty-three airports reported year-over-year increases in the number of domestic movements in October 2011.

Eighty-three airports recorded 42,091 transborder itinerant movements (between Canada and the United States) in October 2011. Toronto/Lester B. Pearson International, Ontario (15,345 movements) reported the greatest number of transborder itinerant movements. This represents a decrease of 3.8% (-600 movements) compared with the previous year.

In October 2011, thirty-four airports reported 9,379 other international itinerant movements. Toronto/Lester B. Pearson International, Ontario, recorded 4,433 other international itinerant movements. This represents 47.3% 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
401-0015	Aircraft movements, by civil and military 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	8,733	32	3,007	6	5,726
Boundary Bay	8	12,671	18	4,591	2	8,080
Calgary International	3	20,313	3	20,067	37	246
Calgary/Springbank	7	13,165	17	4,773	1	8,392
Chicoutimi/St-Honoré	24	6,362	40	1,716	10	4,646
Edmonton City Centre	31	5,017	20	4,481	33	536
Edmonton International	11	11,748	6	11,246	34	502
Edmonton/Villeneuve	26	6,085	36	2,205	12	3,880
Fort McMurray	27	6,041	16	5,359	30	682
Fredericton International	32	4,887	33	2,671	22	2,216
Gander International	40	2,469	39	1,745	27	724
Halifax/Robert L. Stanfield International	23	7,265	12	6,959	35	306
Hamilton	38	2,969	35	2,263	28	706
Kelowna	29	5,670	24	3,827	23	1,843
Kitchener/Waterloo	15	10,494	22	4,194	5	6,300
Langley	25	6,181	26	3,511	18	2,670
London	21	8,115	21	4,243	13	3,872
Moncton/Greater Moncton International	22	7,517	23	4,075	16	3,442
Montréal/Pierre Elliott Trudeau International	4	19,539	4	19,425	40	114
Montréal/St-Hubert	6	15,127	10	7,603	3	7,524
Oshawa	28	5,737	30	3,303	20	2,434
Ottawa/Macdonald-Cartier International	5	17,512	5	12,076	9	5,436
Pitt Meadows	18	8,824	31	3,154	7	5,670
Prince George	39	2,651	38	1,945	29	706
Québec/Jean Lesage International	12	11,692	8	8,556	17	3,136
Regina International	30	5,200	25	3,586	24	1,614
Saskatoon/John G. Diefenbaker International	20	8,283	14	5,739	19	2,544
Sault Ste. Marie	33	4,715	34	2,301	21	2,414
St. John's International	37	3,567	28	3,367	38	200
St-Jean	36	3,643	37	2,089	25	1,554
Thunder Bay	16	9,295	15	5,547	15	3,748
Toronto/Billy Bishop Toronto City	14	11,464	9	7,670	14	3,794
Toronto/Buttonville Municipal	9	12,401	13	5,777	4	6,624
Toronto/Lester B. Pearson International	1	36,143	1	35,977	39	166
Vancouver Harbour	34	4,568	19	4,566	42	2
Vancouver International	2	24,341	2	24,283	41	58
Victoria International	10	11,820	11	7,320	11	4,500
Whitehorse International	42	1,741	42	1,445	36	296
Windsor	41	2,043	41	1,447	32	596
Winnipeg/James Armstrong Richardson International	13	11,682	7	10,536	26	1,146
Winnipeg/St. Andrews	17	9,069	27	3,413	8	5,656
Yellowknife	35	3,982	29	3,304	31	678
Total of NAV CANADA towers (42)	.	390,741	.	275,362	.	115,379

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	15	2,513	14	1,825	12	688
Campbell River	20	1,984	24	1,302	13	682
Castlegar	31	1,347	42	769	14	578
Charlottetown	38	1,092	36	906	25	186
Churchill	42	873	38	873	0	0
Cranbrook	41	899	39	837	35	62
Deer Lake	30	1,348	23	1,334	44	14
Fort Nelson	16	2,389	9	2,039	19	350
Fort St. John	18	2,061	12	1,945	30	116
Grande Prairie	5	3,843	3	2,687	8	1,156
High Level	35	1,135	37	895	21	240
Îles-de-la-Madeleine	50	355	50	355	0	0
Inuvik/Mike Zubko	37	1,122	32	1,048	34	74
Iqaluit	26	1,651	22	1,525	29	126
Kamloops	10	2,764	21	1,670	9	1,094
Kenora	34	1,145	35	923	22	222
Kingston	11	2,679	19	1,693	10	986
Kuujuuaq	36	1,128	34	950	26	178
La Grande Rivière	45	691	44	689	46	2
La Ronge	32	1,324	30	1,194	28	130
Lethbridge	21	1,984	26	1,260	11	724
Lloydminster	40	1,010	40	818	24	192
Medicine Hat	29	1,393	33	1,031	18	362
Mont-Joli	44	775	41	775	0	0
Montréal/Mirabel International	7	3,376	10	2,026	6	1,350
Nanaimo	4	4,146	8	2,200	4	1,946
Norman Wells	43	814	43	702	31	112
North Bay	1	5,447	15	1,815	1	3,632
Ottawa/Gatineau	2	4,550	17	1,784	2	2,766
Peace River	48	639	48	601	40	38
Penticton	14	2,523	25	1,263	7	1,260
Port Hardy	49	546	49	530	43	16
Prince Albert	24	1,738	20	1,693	38	45
Prince Rupert	51	282	51	272	45	10
Rankin Inlet	23	1,739	18	1,739	0	0
Red Deer Regional	3	4,285	13	1,901	3	2,384
Rouyn-Noranda	28	1,398	31	1,158	20	240
Saint John	25	1,659	27	1,231	17	428
Sept-Îles	13	2,567	5	2,433	27	134
Sioux Lookout	17	2,308	7	2,268	39	40
Smithers	47	655	45	637	42	18
St. Catharines	6	3,823	6	2,420	5	1,403
Sudbury	8	3,294	2	2,788	15	506
Terrace	33	1,222	29	1,222	0	0
Thompson	12	2,674	4	2,622	36	52
Timmins	19	2,038	11	2,008	41	30
Val-d'Or	27	1,430	28	1,226	23	204
Victoria Harbour	9	2,996	1	2,918	33	78
Wabush	22	1,904	16	1,793	32	111
Whitecourt	39	1,092	47	618	16	474
Williams Lake	46	687	46	635	37	52
Total of all flight service stations (51)	.	97,337	.	71,846	.	25,491

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

	Civil movements			Military movements				
	Total	Itinerant		Local	Total	Itinerant		Local
		Commercial	Private and government			Local	Local	
	number							
Abbotsford	8,613	2,086	801	5,726	120	120	0	
Boundary Bay	12,665	3,540	1,045	8,080	6	6	0	
Calgary International	20,271	18,544	1,481	246	42	42	0	
Calgary/Springbank	13,152	3,150	1,612	8,390	13	11	2	
Chicoutimi/St-Honoré	6,362	1,538	178	4,646	0	0	0	
Edmonton City Centre	4,995	3,141	1,322	532	22	18	4	
Edmonton International	11,707	10,489	720	498	41	37	4	
Edmonton/Villeneuve	4,846	547	419	3,880	1,239	1,239	0	
Fort McMurray	6,039	4,681	676	682	2	2	0	
Fredericton International	4,868	2,405	247	2,216	19	19	0	
Gander International	2,257	1,225	308	724	212	212	0	
Halifax/Robert L. Stanfield International	7,109	6,485	320	304	156	154	2	
Hamilton	2,964	1,801	459	704	5	3	2	
Kelowna	5,606	3,315	468	1,823	64	44	20	
Kitchener/Waterloo	10,488	3,206	982	6,300	6	6	0	
Langley	5,203	1,391	1,142	2,670	978	978	0	
London	8,109	3,487	750	3,872	6	6	0	
Moncton/Greater Moncton International	7,510	3,771	297	3,442	7	7	0	
Montréal/Pierre Elliott Trudeau International	19,529	18,118	1,297	114	10	10	0	
Montréal/St-Hubert	15,025	6,269	1,232	7,524	102	102	0	
Oshawa	5,729	2,432	863	2,434	8	8	0	
Ottawa/Macdonald-Cartier International	17,347	11,186	727	5,434	165	163	2	
Pitt Meadows	8,824	1,920	1,234	5,670	0	0	0	
Prince George	2,638	1,482	450	706	13	13	0	
Québec/Jean Lesage International	11,623	7,024	1,465	3,134	69	67	2	
Regina International	4,896	2,878	658	1,360	304	50	254	
Saskatoon/John G. Diefenbaker International	8,088	4,632	1,000	2,456	195	107	88	
Sault Ste. Marie	4,684	2,111	167	2,406	31	23	8	
St. John's International	3,461	2,924	337	200	106	106	0	
St-Jean	2,834	268	1,012	1,554	809	809	0	
Thunder Bay	9,255	5,086	427	3,742	40	34	6	
Toronto/Billy Bishop Toronto City	11,458	7,074	590	3,794	6	6	0	
Toronto/Buttonville Municipal	12,395	3,161	2,610	6,624	6	6	0	
Toronto/Lester B. Pearson International	36,125	34,592	1,367	166	18	18	0	
Vancouver Harbour	4,563	4,505	56	2	5	5	0	
Vancouver International	24,325	23,243	1,024	58	16	16	0	
Victoria International	11,695	5,972	1,237	4,486	125	111	14	
Whitehorse International	1,731	1,203	232	296	10	10	0	
Windsor	2,043	1,080	367	596	0	0	0	
Winnipeg/James Armstrong Richardson International	11,299	9,330	825	1,144	383	381	2	
Winnipeg/St. Andrews	9,067	3,038	373	5,656	2	2	0	
Yellowknife	3,920	3,136	106	678	62	62	0	
Total of NAV CANADA towers (42)	385,318	237,466	32,883	114,969	5,423	5,013	410	

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	1,692	420	694	578	821	711	110
Campbell River	1,975	963	331	681	9	8	1
Castlegar	1,331	701	54	576	16	14	2
Charlottetown	1,078	724	172	182	14	10	4
Churchill	871	797	74	0	2	2	0
Cranbrook	877	621	194	62	22	22	0
Deer Lake	1,338	1,247	77	14	10	10	0
Fort Nelson	2,364	1,883	131	350	25	25	0
Fort St. John	2,036	1,621	299	116	25	25	0
Grande Prairie	3,777	2,273	348	1,156	66	66	0
High Level	1,135	848	47	240	0	0	0
Îles-de-la-Madeleine	353	309	44	0	2	2	0
Inuvik/Mike Zubko	1,102	996	32	74	20	20	0
Iqaluit	1,631	1,350	155	126	20	20	0
Kamloops	2,714	1,319	301	1,094	50	50	0
Kenora	1,079	747	122	210	66	54	12
Kingston	2,651	1,195	470	986	28	28	0
Kuujuuaq	1,126	863	85	178	2	2	0
La Grande Rivière	691	651	38	2	0	0	0
La Ronge	1,324	1,102	92	130	0	0	0
Lethbridge	1,911	833	390	688	73	37	36
Lloydminster	1,000	443	365	192	10	10	0
Medicine Hat	1,351	774	215	362	42	42	0
Mont-Joli	775	701	74	0	0	0	0
Montréal/Mirabel International	3,333	1,497	494	1,342	43	35	8
Nanaimo	3,457	1,209	914	1,334	689	77	612
Norman Wells	814	689	13	112	0	0	0
North Bay	5,414	1,284	498	3,632	33	33	0
Ottawa/Gatineau	4,532	940	826	2,766	18	18	0
Peace River	639	522	79	38	0	0	0
Penticton	2,371	813	316	1,242	152	134	18
Port Hardy	535	448	71	16	11	11	0
Prince Albert	1,720	1,406	269	45	18	18	0
Prince Rupert	282	247	25	10	0	0	0
Rankin Inlet	1,739	1,721	18	0	0	0	0
Red Deer Regional	4,271	1,081	806	2,384	14	14	0
Rouyn-Noranda	1,398	988	170	240	0	0	0
Saint John	1,653	865	360	428	6	6	0
Sept-Îles	2,559	2,232	193	134	8	8	0
Sioux Lookout	2,306	2,199	67	40	2	2	0
Smithers	655	570	67	18	0	0	0
St. Catharines	3,820	810	1,607	1,403	3	3	0
Sudbury	3,290	2,233	551	506	4	4	0
Terrace	1,222	1,138	84	0	0	0	0
Thompson	2,670	2,457	161	52	4	4	0
Timmins	2,034	1,745	259	30	4	4	0
Val-d'Or	1,427	1,002	221	204	3	3	0
Victoria Harbour	2,996	2,737	181	78	0	0	0
Wabush	1,904	1,666	127	111	0	0	0
Whitecourt	1,092	533	85	474	0	0	0
Williams Lake	679	501	126	52	8	8	0
Total of all flight service stations (51)	94,994	56,914	13,392	24,688	2,343	1,540	803

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	3,007	465	1,550	71	702	99	120
Boundary Bay	4,591	9	933	2,598	1,013	32	6
Calgary International	20,067	17,187	860	497	1,315	166	42
Calgary/Springbank	4,773	36	661	2,453	1,600	12	11
Chicoutimi/St-Honoré	1,716	476	112	950	172	6	0
Edmonton City Centre	4,481	1,245	541	1,355	719	603	18
Edmonton International	11,246	10,219	251	19	705	15	37
Edmonton/Villeneuve	2,205	2	24	521	416	3	1,239
Fort McMurray	5,359	1,692	2,845	144	650	26	2
Fredericton International	2,671	673	1,693	39	190	57	19
Gander International	1,745	415	799	11	269	39	212
Halifax/Robert L. Stanfield International	6,959	6,101	379	5	292	28	154
Hamilton	2,263	1,657	122	22	276	183	3
Kelowna	3,827	2,702	342	271	400	68	44
Kitchener/Waterloo	4,194	397	2,750	59	978	4	6
Langley	3,511	4	67	1,320	1,125	17	978
London	4,243	1,189	631	1,667	688	62	6
Moncton/Greater Moncton International	4,075	1,698	2,051	22	160	137	7
Montréal/Pierre Elliott Trudeau International	19,425	16,979	1,068	71	1,134	163	10
Montréal/St-Hubert	7,603	3,241	939	2,089	1,173	59	102
Oshawa	3,303	46	107	2,279	770	93	8
Ottawa/Macdonald-Cartier International	12,076	8,220	363	2,603	468	259	163
Pitt Meadows	3,154	3	1,546	371	1,193	41	0
Prince George	1,945	1,134	309	39	350	100	13
Québec/Jean Lesage International	8,556	4,383	2,321	320	1,136	329	67
Regina International	3,586	2,106	721	51	481	177	50
Saskatoon/John G. Diefenbaker International	5,739	3,294	1,028	310	686	314	107
Sault Ste. Marie	2,301	1,104	151	856	106	61	23
St. John's International	3,367	2,196	718	10	153	184	106
St-Jean	2,089	0	163	105	1,011	1	809
Thunder Bay	5,547	2,998	552	1,536	279	148	34
Toronto/Billy Bishop Toronto City	7,670	4,929	905	1,240	584	6	6
Toronto/Buttonville Municipal	5,777	185	2,913	63	2,580	30	6
Toronto/Lester B. Pearson International	35,977	33,870	710	12	1,343	24	18
Vancouver Harbour	4,566	3,805	690	10	50	6	5
Vancouver International	24,283	21,454	1,690	99	688	336	16
Victoria International	7,320	3,290	2,252	430	1,213	24	111
Whitehorse International	1,445	881	315	7	207	25	10
Windsor	1,447	646	415	19	361	6	0
Winnipeg/James Armstrong Richardson International	10,536	8,881	388	61	401	424	381
Winnipeg/St. Andrews	3,413	600	1,604	834	373	0	2
Yellowknife	3,304	2,749	385	2	32	74	62
Total of NAV CANADA towers (42)	275,362	173,161	38,864	25,441	28,442	4,441	5,013

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	1,825	108	274	38	670	24	711
Campbell River	1,302	615	136	212	301	30	8
Castlegar	769	262	106	333	46	8	14
Charlottetown	906	688	36	0	166	6	10
Churchill	873	739	36	22	66	8	2
Cranbrook	837	580	31	10	186	8	22
Deer Lake	1,334	932	309	6	20	57	10
Fort Nelson	2,039	518	1,363	2	123	8	25
Fort St. John	1,945	862	736	23	273	26	25
Grande Prairie	2,687	1,284	798	191	332	16	66
High Level	895	326	518	4	33	14	0
Îles-de-la-Madeleine	355	281	24	4	12	32	2
Inuvik/Mike Zubko	1,048	788	205	3	12	20	20
Iqaluit	1,525	1,214	125	11	58	97	20
Kamloops	1,670	817	313	189	247	54	50
Kenora	923	427	298	22	95	27	54
Kingston	1,693	450	394	351	421	49	28
Kuujuuaq	950	724	139	0	59	26	2
La Grande Rivière	689	509	140	2	32	6	0
La Ronge	1,194	1,092	10	0	23	69	0
Lethbridge	1,260	451	45	337	380	10	37
Lloydminster	818	267	155	21	349	16	10
Medicine Hat	1,031	492	122	160	209	6	42
Mont-Joli	775	564	130	7	48	26	0
Montréal/Mirabel International	2,026	830	566	101	488	6	35
Nanaimo	2,200	481	638	90	861	53	77
Norman Wells	702	586	103	0	7	6	0
North Bay	1,815	621	440	223	448	50	33
Ottawa/Gatineau	1,784	234	485	221	780	46	18
Peace River	601	414	100	8	61	18	0
Penticton	1,263	309	481	23	272	44	134
Port Hardy	530	404	36	8	28	43	11
Prince Albert	1,693	1,304	90	12	153	116	18
Prince Rupert	272	245	2	0	10	15	0
Rankin Inlet	1,739	842	860	19	4	14	0
Red Deer Regional	1,901	209	775	97	770	36	14
Rouyn-Noranda	1,158	688	175	125	143	27	0
Saint John	1,231	721	72	72	360	0	6
Sept-Îles	2,433	1,299	901	32	97	96	8
Sioux Lookout	2,268	1,713	398	88	43	24	2
Smithers	637	415	152	3	59	8	0
St. Catharines	2,420	7	744	59	1,599	8	3
Sudbury	2,788	1,615	568	50	369	182	4
Terrace	1,222	662	476	0	44	40	0
Thompson	2,622	2,107	337	13	28	133	4
Timmins	2,008	1,505	232	8	170	89	4
Val-d'Or	1,226	821	172	9	169	52	3
Victoria Harbour	2,918	2,692	36	9	14	167	0
Wabush	1,793	994	670	2	110	17	0
Whitecourt	618	13	400	120	71	14	0
Williams Lake	635	420	61	20	116	10	8
Total of all flight service stations (51)	71,846	37,141	16,413	3,360	11,435	1,957	1,540

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	3,007	677	22.5	2,330	77.4	1,401
Boundary Bay	4,591	347	7.5	4,244	92.4	687
Calgary International	20,067	19,067	95.0	1,000	4.9	514
Calgary/Springbank	4,773	330	6.9	4,443	93.0	121
Chicoutimi/St-Honoré	1,716	263	15.3	1,453	84.6	171
Edmonton City Centre	4,481	2,001	44.6	2,480	55.3	1,661
Edmonton International	11,246	10,845	96.4	401	3.5	694
Edmonton/Villeneuve	2,205	68	3.0	2,137	96.9	99
Fort McMurray	5,359	2,091	39.0	3,268	60.9	240
Fredericton International	2,671	834	31.2	1,837	68.7	104
Gander International	1,745	1,180	67.6	565	32.3	139
Halifax/Robert L. Stanfield International	6,959	6,695	96.2	264	3.7	225
Hamilton	2,263	1,862	82.2	401	17.7	931
Kelowna	3,827	2,540	66.3	1,287	33.6	695
Kitchener/Waterloo	4,194	703	16.7	3,491	83.2	608
Langley	3,511	64	1.8	3,447	98.1	599
London	4,243	1,464	34.5	2,779	65.4	511
Moncton/Greater Moncton International	4,075	2,218	54.4	1,857	45.5	95
Montréal/Pierre Elliott Trudeau International	19,425	18,854	97.0	571	2.9	1,467
Montréal/St-Hubert	7,603	1,857	24.4	5,746	75.5	837
Oshawa	3,303	155	4.6	3,148	95.3	716
Ottawa/Macdonald-Cartier International	12,076	8,902	73.7	3,174	26.2	1,238
Pitt Meadows	3,154	64	2.0	3,090	97.9	1,519
Prince George	1,945	1,247	64.1	698	35.8	411
Québec/Jean Lesage International	8,556	5,473	63.9	3,083	36.0	1,092
Regina International	3,586	2,510	69.9	1,076	30.0	170
Saskatoon/John G. Diefenbaker International	5,739	3,908	68.0	1,831	31.9	267
Sault Ste. Marie	2,301	1,258	54.6	1,043	45.3	112
St. John's International	3,367	3,046	90.4	321	9.5	189
St-Jean	2,089	11	0.5	2,078	99.4	354
Thunder Bay	5,547	3,462	62.4	2,085	37.5	161
Toronto/Billy Bishop Toronto City	7,670	5,305	69.1	2,365	30.8	1,955
Toronto/Buttonville Municipal	5,777	716	12.3	5,061	87.6	1,459
Toronto/Lester B. Pearson International	35,977	35,864	99.6	113	0.3	286
Vancouver Harbour	4,566	144	3.1	4,422	96.8	1,600
Vancouver International	24,283	20,462	84.2	3,821	15.7	8,519
Victoria International	7,320	3,699	50.5	3,621	49.4	3,755
Whitehorse International	1,445	658	45.5	787	54.4	308
Windsor	1,447	749	51.7	698	48.2	160
Winnipeg/James Armstrong Richardson International	10,536	9,481	89.9	1,055	10.0	339
Winnipeg/St. Andrews	3,413	105	3.0	3,308	96.9	153
Yellowknife	3,304	2,326	70.3	978	29.6	503
Total of NAV CANADA towers (42)	275,362	183,505	66.6	91,857	33.4	37,065

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	1,825	255	13.9	1,570	86.0	11
Campbell River	1,302	540	41.4	762	58.5	218
Castlegar	769	274	35.6	495	64.3	137
Charlottetown	906	771	85.0	135	14.9	39
Churchill	873	791	90.6	82	9.3	352
Cranbrook	837	642	76.7	195	23.2	168
Deer Lake	1,334	1,248	93.5	86	6.4	36
Fort Nelson	2,039	545	26.7	1,494	73.2	74
Fort St. John	1,945	954	49.0	991	50.9	103
Grande Prairie	2,687	1,475	54.8	1,212	45.1	106
High Level	895	253	28.2	642	71.7	209
Îles-de-la-Madeleine	355	346	97.4	9	2.5	3
Inuvik/Mike Zubko	1,048	387	36.9	661	63.0	16
Iqaluit	1,525	1,231	80.7	294	19.2	30
Kamloops	1,670	963	57.6	707	42.3	331
Kenora	923	538	58.2	385	41.7	207
Kingston	1,693	558	32.9	1,135	67.0	127
Kuujuuaq	950	365	38.4	585	61.5	70
La Grande Rivière	689	566	82.1	123	17.8	171
La Ronge	1,194	692	57.9	502	42.0	433
Lethbridge	1,260	599	47.5	661	52.4	31
Lloydminster	818	311	38.0	507	61.9	34
Medicine Hat	1,031	466	45.1	565	54.8	128
Mont-Joli	775	704	90.8	71	9.1	8
Montréal/Mirabel International	2,026	1,164	57.4	862	42.5	937
Nanaimo	2,200	681	30.9	1,519	69.0	566
Norman Wells	702	204	29.0	498	70.9	38
North Bay	1,815	727	40.0	1,088	59.9	615
Ottawa/Gatineau	1,784	198	11.0	1,586	88.9	439
Peace River	601	386	64.2	215	35.7	10
Penticton	1,263	312	24.7	951	75.2	125
Port Hardy	530	204	38.4	326	61.5	245
Prince Albert	1,693	1,356	80.0	337	19.9	81
Prince Rupert	272	215	79.0	57	20.9	24
Rankin Inlet	1,739	876	50.3	863	49.6	12
Red Deer Regional	1,901	363	19.0	1,538	80.9	361
Rouyn-Noranda	1,158	926	79.9	232	20.0	82
Saint John	1,231	942	76.5	289	23.4	48
Sept-Îles	2,433	1,846	75.8	587	24.1	350
Sioux Lookout	2,268	1,820	80.2	448	19.7	535
Smithers	637	396	62.1	241	37.8	493
St. Catharines	2,420	91	3.7	2,329	96.2	380
Sudbury	2,788	1,898	68.0	890	31.9	162
Terrace	1,222	696	56.9	526	43.0	170
Thompson	2,622	1,929	73.5	693	26.4	226
Timmins	2,008	1,675	83.4	333	16.5	125
Val-d'Or	1,226	894	72.9	332	27.0	394
Victoria Harbour	2,918	158	5.4	2,760	94.5	740
Wabush	1,793	1,340	74.7	453	25.2	489
Whitecourt	618	30	4.8	588	95.1	115
Williams Lake	635	430	67.7	205	32.2	186
Total of all flight service stations (51)	71,846	37,231	51.8	34,615	48.2	10,990

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	3,007	449	137	1,576	790	55
Boundary Bay	4,591	13	55	4,333	190	0
Calgary International	20,067	13,590	5,337	304	836	0
Calgary/Springbank	4,773	37	96	3,849	791	0
Chicoutimi/St-Honoré	1,716	1	170	1,221	324	0
Edmonton City Centre	4,481	334	1,587	1,818	742	0
Edmonton International	11,246	7,204	3,648	360	34	0
Edmonton/Villeneuve	2,205	17	19	1,516	72	581
Fort McMurray	5,359	1,211	1,421	860	1,867	0
Fredericton International	2,671	41	803	1,740	87	0
Gander International	1,745	546	538	554	107	0
Halifax/Robert L. Stanfield International	6,959	3,989	2,545	181	244	0
Hamilton	2,263	1,236	643	265	119	0
Kelowna	3,827	1,004	1,536	1,020	267	0
Kitchener/Waterloo	4,194	194	421	3,206	367	6
Langley	3,511	0	2	2,710	299	500
London	4,243	407	1,086	2,611	139	0
Moncton/Greater Moncton International	4,075	1,126	781	2,107	61	0
Montréal/Pierre Elliott Trudeau International	19,425	12,242	6,539	387	257	0
Montréal/St-Hubert	7,603	221	973	6,138	270	1
Oshawa	3,303	18	30	3,109	146	0
Ottawa/Macdonald-Cartier International	12,076	5,922	2,976	2,930	248	0
Pitt Meadows	3,154	3	27	2,793	331	0
Prince George	1,945	413	900	366	265	1
Québec/Jean Lesage International	8,556	1,252	4,038	2,442	822	2
Regina International	3,586	1,689	673	1,180	44	0
Saskatoon/John G. Diefenbaker International	5,739	1,963	1,902	1,821	53	0
Sault Ste. Marie	2,301	26	1,239	972	64	0
St. John's International	3,367	1,344	1,601	75	347	0
St-Jean	2,089	0	4	1,372	25	688
Thunder Bay	5,547	433	3,096	1,742	276	0
Toronto/Billy Bishop Toronto City	7,670	6	5,222	2,136	306	0
Toronto/Buttonville Municipal	5,777	68	329	5,056	323	1
Toronto/Lester B. Pearson International	35,977	29,123	6,774	67	13	0
Vancouver Harbour	4,566	0	2,535	1,287	744	0
Vancouver International	24,283	11,782	9,445	2,264	792	0
Victoria International	7,320	1,239	2,269	3,383	429	0
Whitehorse International	1,445	434	418	375	218	0
Windsor	1,447	128	608	694	17	0
Winnipeg/James Armstrong Richardson International	10,536	5,355	4,246	668	267	0
Winnipeg/St. Andrews	3,413	1	635	2,616	161	0
Yellowknife	3,304	713	1,922	293	376	0
Total of NAV CANADA towers (42)	275,362	105,774	79,226	74,397	14,130	1,835

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	1,825	32	321	1,001	71	400
Campbell River	1,302	13	654	473	162	0
Castlegar	769	20	268	383	98	0
Charlottetown	906	388	331	162	25	0
Churchill	873	61	737	39	36	0
Cranbrook	837	32	559	223	23	0
Deer Lake	1,334	370	881	26	57	0
Fort Nelson	2,039	76	484	228	1,251	0
Fort St. John	1,945	316	614	311	704	0
Grande Prairie	2,687	196	1,132	688	605	66
High Level	895	12	415	241	227	0
Îles-de-la-Madeleine	355	14	315	24	2	0
Inuvik/Mike Zubko	1,048	112	618	112	206	0
Iqaluit	1,525	368	990	17	150	0
Kamloops	1,670	121	798	488	263	0
Kenora	923	14	556	220	133	0
Kingston	1,693	32	492	1,017	152	0
Kuujuuaq	950	129	665	57	99	0
La Grande Rivière	689	90	571	16	12	0
La Ronge	1,194	2	958	199	35	0
Lethbridge	1,260	71	483	664	42	0
Lloydminster	818	21	313	418	66	0
Medicine Hat	1,031	33	523	425	50	0
Mont-Joli	775	24	665	78	8	0
Montréal/Mirabel International	2,026	643	351	613	419	0
Nanaimo	2,200	23	482	1,490	176	29
Norman Wells	702	166	284	151	101	0
North Bay	1,815	47	708	458	570	32
Ottawa/Gatineau	1,784	6	156	1,399	223	0
Peace River	601	31	368	98	104	0
Penticton	1,263	46	336	259	622	0
Port Hardy	530	4	341	102	83	0
Prince Albert	1,693	10	1,356	291	36	0
Prince Rupert	272	20	205	4	43	0
Rankin Inlet	1,739	192	687	0	860	0
Red Deer Regional	1,901	56	408	1,352	85	0
Rouyn-Noranda	1,158	87	850	209	12	0
Saint John	1,231	315	611	247	58	0
Sept-Îles	2,433	56	1,623	362	392	0
Sioux Lookout	2,268	6	1,889	359	14	0
Smithers	637	19	423	84	111	0
St. Catharines	2,420	15	21	1,498	366	520
Sudbury	2,788	8	1,955	457	368	0
Terrace	1,222	15	699	19	489	0
Thompson	2,622	26	2,165	203	228	0
Timmins	2,008	56	1,738	133	81	0
Val-d'Or	1,226	72	857	165	132	0
Victoria Harbour	2,918	0	2,015	85	818	0
Wabush	1,793	22	1,216	135	420	0
Whitecourt	618	10	21	57	530	0
Williams Lake	635	24	418	128	65	0
Total of all flight service stations (51)	71,846	4,522	36,526	17,868	11,883	1,047

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	2,053	331	133	20	19	18	432	1	0	0
Boundary Bay	4,177	358	34	14	8	0	0	0	0	0
Calgary International	739	471	1,585	1,922	932	4,573	8,209	803	163	670
Calgary/Springbank	4,309	319	99	41	1	4	0	0	0	0
Chicoutimi/St-Honoré	1,314	235	165	1	0	0	1	0	0	0
Edmonton City Centre	2,120	442	1,489	310	94	20	2	4	0	0
Edmonton International	281	154	647	1,072	447	2,770	5,255	372	153	95
Edmonton/Villeneuve	2,118	47	33	7	0	0	0	0	0	0
Fort McMurray	2,386	712	584	401	38	819	419	0	0	0
Fredericton International	1,731	157	144	249	142	239	8	0	1	0
Gander International	494	12	38	456	293	264	19	108	10	51
Halifax/Robert L. Stanfield International	98	234	315	1,197	653	1,715	2,192	272	140	143
Hamilton	238	402	112	319	177	49	443	5	393	125
Kelowna	1,115	151	233	511	58	892	854	2	11	0
Kitchener/Waterloo	3,497	91	411	52	40	40	63	0	0	0
Langley	3,346	152	12	0	1	0	0	0	0	0
London	2,546	302	161	169	483	383	199	0	0	0
Moncton/Greater Moncton International	2,127	114	151	426	87	681	244	0	245	0
Montréal/Pierre Elliott Trudeau International	445	136	898	721	3,159	6,254	4,881	1,380	5	1,546
Montréal/St-Hubert	5,478	834	758	372	139	14	8	0	0	0
Oshawa	3,026	218	35	23	0	1	0	0	0	0
Ottawa/Macdonald-Cartier International	2,916	197	987	273	576	3,451	2,944	416	44	272
Pitt Meadows	2,968	160	25	1	0	0	0	0	0	0
Prince George	520	150	159	515	26	380	193	2	0	0
Québec/Jean Lesage International	2,834	406	995	615	1,585	1,865	184	14	0	58
Regina International	1,035	178	395	324	50	882	641	1	80	0
Saskatoon/John G. Diefenbaker International	1,577	329	832	721	265	1,094	877	4	40	0
Sault Ste. Marie	985	114	482	65	442	210	2	1	0	0
St. John's International	73	22	278	636	748	413	934	165	86	12
St-Jean	2,085	0	4	0	0	0	0	0	0	0
Thunder Bay	1,734	266	2,157	202	138	828	222	0	0	0
Toronto/Billy Bishop Toronto City	2,138	206	365	199	4	4,754	0	4	0	0
Toronto/Buttonville Municipal	5,065	394	222	64	20	12	0	0	0	0
Toronto/Lester B. Pearson International	23	160	416	1,894	4,505	7,877	13,733	3,702	250	3,417
Vancouver Harbour	107	3,582	865	0	12	0	0	0	0	0
Vancouver International	670	3,300	767	2,563	1,805	5,237	6,118	1,501	369	1,953
Victoria International	3,013	929	130	451	750	1,364	617	36	30	0
Whitehorse International	474	185	162	96	8	366	154	0	0	0
Windsor	642	109	37	82	374	145	58	0	0	0
Winnipeg/James Armstrong Richardson International	502	462	2,822	315	1,075	2,007	2,372	338	587	56
Winnipeg/St. Andrews	2,427	885	100	0	0	0	0	1	0	0
Yellowknife	385	340	698	275	198	766	563	77	2	0
Total of NAV CANADA towers (42)	75,811	18,246	20,935	17,574	19,352	50,387	52,841	9,209	2,609	8,398

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	1,349	70	298	16	66	4	0	22	0	0
Campbell River	563	71	59	460	141	8	0	0	0	0
Castlegar	412	67	16	70	52	152	0	0	0	0
Charlottetown	114	140	28	200	50	308	66	0	0	0
Churchill	67	23	102	12	143	490	36	0	0	0
Cranbrook	168	72	40	297	108	142	10	0	0	0
Deer Lake	67	8	62	376	410	280	131	0	0	0
Fort Nelson	1,027	134	407	219	138	76	38	0	0	0
Fort St. John	903	85	160	375	120	275	27	0	0	0
Grande Prairie	1,038	317	428	222	37	509	136	0	0	0
High Level	417	196	149	131	2	0	0	0	0	0
Îles-de-la-Madeleine	10	14	99	74	148	10	0	0	0	0
Inuvik/Mike Zubko	245	81	546	0	0	76	90	10	0	0
Iqaluit	34	58	337	169	252	369	212	24	18	52
Kamloops	557	122	115	258	128	417	73	0	0	0
Kenora	189	50	639	5	22	8	0	10	0	0
Kingston	1,066	81	88	280	154	9	3	12	0	0
Kuujuuaq	147	6	555	0	81	52	89	0	0	20
La Grande Rivière	18	12	192	16	44	325	82	0	0	0
La Ronge	44	176	531	94	225	124	0	0	0	0
Lethbridge	552	152	144	321	31	60	0	0	0	0
Lloydminster	441	45	154	164	10	4	0	0	0	0
Medicine Hat	438	37	233	313	4	6	0	0	0	0
Mont-Joli	47	39	202	284	134	69	0	0	0	0
Montréal/Mirabel International	794	269	87	97	76	198	81	5	245	174
Nanaimo	1,173	512	36	53	37	389	0	0	0	0
Norman Wells	177	172	145	8	2	32	166	0	0	0
North Bay	1,014	201	243	54	197	57	27	22	0	0
Ottawa/Gatineau	1,370	253	50	95	2	2	0	12	0	0
Peace River	137	69	304	64	25	0	2	0	0	0
Penticton	688	140	100	117	17	196	5	0	0	0
Port Hardy	50	129	147	73	122	9	0	0	0	0
Prince Albert	191	135	243	396	322	402	0	4	0	0
Prince Rupert	6	11	53	28	44	130	0	0	0	0
Rankin Inlet	367	497	120	8	224	367	156	0	0	0
Red Deer Regional	1,308	121	330	108	14	18	2	0	0	0
Rouyn-Noranda	204	19	441	12	283	137	62	0	0	0
Saint John	184	199	111	245	240	244	2	4	2	0
Sept-Îles	444	323	527	462	571	94	8	4	0	0
Sioux Lookout	70	325	1,115	623	131	0	4	0	0	0
Smithers	136	82	65	200	46	108	0	0	0	0
St. Catharines	2,258	92	41	18	3	6	0	2	0	0
Sudbury	488	333	1,116	204	405	240	0	2	0	0
Terrace	390	122	144	240	101	225	0	0	0	0
Thompson	235	232	1,337	18	236	562	0	2	0	0
Timmins	132	208	902	109	496	161	0	0	0	0
Val-d'Or	257	40	299	45	341	204	22	0	18	0
Victoria Harbour	46	1,964	896	2	0	10	0	0	0	0
Wabush	409	133	439	346	396	68	2	0	0	0
Whitecourt	565	10	29	12	2	0	0	0	0	0
Williams Lake	169	22	20	397	9	6	10	2	0	0
Total of all flight service stations (51)	23,175	8,669	14,924	8,390	6,842	7,638	1,542	137	283	246

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	2,955	458	1,527	71	680	99	120
Transborder	52	7	23	0	22	0	0
Other international	0	0	0	0	0	0	0
Total	3,007	465	1,550	71	702	99	120
Boundary Bay							
Domestic	4,539	5	929	2,575	993	32	5
Transborder	52	4	4	23	20	0	1
Other international	0	0	0	0	0	0	0
Total	4,591	9	933	2,598	1,013	32	6
Calgary International							
Domestic	16,083	13,597	759	492	1,030	164	41
Transborder	3,446	3,058	97	5	283	2	1
Other international	538	532	4	0	2	0	0
Total	20,067	17,187	860	497	1,315	166	42
Calgary/Springbank							
Domestic	4,699	32	652	2,450	1,542	12	11
Transborder	74	4	9	3	58	0	0
Other international	0	0	0	0	0	0	0
Total	4,773	36	661	2,453	1,600	12	11
Chicoutimi/St-Honoré							
Domestic	1,714	476	112	950	170	6	0
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,716	476	112	950	172	6	0
Edmonton City Centre							
Domestic	4,436	1,236	534	1,349	697	602	18
Transborder	45	9	7	6	22	1	0
Other international	0	0	0	0	0	0	0
Total	4,481	1,245	541	1,355	719	603	18
Edmonton International							
Domestic	9,676	8,746	236	18	630	15	31
Transborder	1,468	1,371	15	1	75	0	6
Other international	102	102	0	0	0	0	0
Total	11,246	10,219	251	19	705	15	37
Edmonton/Villeneuve							
Domestic	2,201	2	24	521	412	3	1,239
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	2,205	2	24	521	416	3	1,239
Fort McMurray							
Domestic	5,353	1,691	2,845	144	645	26	2
Transborder	6	1	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	5,359	1,692	2,845	144	650	26	2
Fredericton International							
Domestic	2,638	668	1,691	39	164	57	19
Transborder	33	5	2	0	26	0	0
Other international	0	0	0	0	0	0	0
Total	2,671	673	1,693	39	190	57	19
Gander International							
Domestic	1,238	278	798	0	57	39	66
Transborder	237	60	0	4	104	0	69
Other international	270	77	1	7	108	0	77
Total	1,745	415	799	11	269	39	212

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	5,823	5,093	369	3	196	26	136
Transborder	975	867	10	0	85	2	11
Other international	161	141	0	2	11	0	7
Total	6,959	6,101	379	5	292	28	154
Hamilton							
Domestic	1,707	1,244	103	20	156	181	3
Transborder	530	391	19	2	116	2	0
Other international	26	22	0	0	4	0	0
Total	2,263	1,657	122	22	276	183	3
Kelowna							
Domestic	3,627	2,543	339	271	369	68	37
Transborder	197	156	3	0	31	0	7
Other international	3	3	0	0	0	0	0
Total	3,827	2,702	342	271	400	68	44
Kitchener/Waterloo							
Domestic	4,021	377	2,718	50	866	4	6
Transborder	166	20	31	9	106	0	0
Other international	7	0	1	0	6	0	0
Total	4,194	397	2,750	59	978	4	6
Langley							
Domestic	3,507	4	67	1,320	1,121	17	978
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	3,511	4	67	1,320	1,125	17	978
London							
Domestic	4,020	1,057	625	1,666	604	62	6
Transborder	223	132	6	1	84	0	0
Other international	0	0	0	0	0	0	0
Total	4,243	1,189	631	1,667	688	62	6
Moncton/Greater Moncton International							
Domestic	3,979	1,629	2,048	22	138	135	7
Transborder	93	68	1	0	22	2	0
Other international	3	1	2	0	0	0	0
Total	4,075	1,698	2,051	22	160	137	7
Montréal/Pierre Elliott Trudeau International							
Domestic	11,682	9,881	874	47	708	163	9
Transborder	5,846	5,247	171	21	406	0	1
Other international	1,897	1,851	23	3	20	0	0
Total	19,425	16,979	1,068	71	1,134	163	10
Montréal/St-Hubert							
Domestic	7,442	3,235	930	2,081	1,038	56	102
Transborder	160	6	9	8	134	3	0
Other international	1	0	0	0	1	0	0
Total	7,603	3,241	939	2,089	1,173	59	102
Oshawa							
Domestic	3,236	33	106	2,277	722	93	5
Transborder	58	13	0	1	43	0	1
Other international	9	0	1	1	5	0	2
Total	3,303	46	107	2,279	770	93	8
Ottawa/Macdonald-Cartier International							
Domestic	9,872	6,213	330	2,592	350	245	142
Transborder	2,056	1,878	30	9	115	14	10
Other international	148	129	3	2	3	0	11
Total	12,076	8,220	363	2,603	468	259	163

Table 7-1 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Pitt Meadows							
Domestic	3,148	3	1,546	371	1,187	41	0
Transborder	6	0	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	3,154	3	1,546	371	1,193	41	0
Prince George							
Domestic	1,915	1,116	309	39	338	100	13
Transborder	30	18	0	0	12	0	0
Other international	0	0	0	0	0	0	0
Total	1,945	1,134	309	39	350	100	13
Québec/Jean Lesage International							
Domestic	7,661	3,622	2,297	313	1,041	329	59
Transborder	823	709	22	4	86	0	2
Other international	72	52	2	3	9	0	6
Total	8,556	4,383	2,321	320	1,136	329	67
Regina International							
Domestic	3,164	1,777	716	49	407	169	46
Transborder	421	328	5	2	74	8	4
Other international	1	1	0	0	0	0	0
Total	3,586	2,106	721	51	481	177	50
Saskatoon/John G. Diefenbaker International							
Domestic	5,351	3,010	1,018	310	595	311	107
Transborder	384	280	10	0	91	3	0
Other international	4	4	0	0	0	0	0
Total	5,739	3,294	1,028	310	686	314	107
Sault Ste. Marie							
Domestic	2,286	1,103	151	854	95	60	23
Transborder	11	1	0	2	8	0	0
Other international	4	0	0	0	3	1	0
Total	2,301	1,104	151	856	106	61	23
St. John's International							
Domestic	3,085	2,069	714	0	98	184	20
Transborder	146	69	0	3	34	0	40
Other international	136	58	4	7	21	0	46
Total	3,367	2,196	718	10	153	184	106
St-Jean							
Domestic	2,089	0	163	105	1,011	1	809
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	2,089	0	163	105	1,011	1	809
Thunder Bay							
Domestic	5,505	2,988	544	1,535	259	146	33
Transborder	40	10	6	1	20	2	1
Other international	2	0	2	0	0	0	0
Total	5,547	2,998	552	1,536	279	148	34
Toronto/Billy Bishop Toronto City							
Domestic	6,306	3,695	885	1,239	475	6	6
Transborder	1,363	1,234	20	1	108	0	0
Other international	1	0	0	0	1	0	0
Total	7,670	4,929	905	1,240	584	6	6
Toronto/Buttonville Municipal							
Domestic	5,555	158	2,876	63	2,422	30	6
Transborder	218	26	36	0	156	0	0
Other international	4	1	1	0	2	0	0
Total	5,777	185	2,913	63	2,580	30	6

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	16,199	15,255	446	4	456	24	14
Transborder	15,345	14,253	230	3	858	0	1
Other international	4,433	4,362	34	5	29	0	3
Total	35,977	33,870	710	12	1,343	24	18
Vancouver Harbour							
Domestic	4,564	3,805	690	10	49	6	4
Transborder	2	0	0	0	1	0	1
Other international	0	0	0	0	0	0	0
Total	4,566	3,805	690	10	50	6	5
Vancouver International							
Domestic	18,185	15,688	1,654	57	434	336	16
Transborder	4,639	4,316	31	40	252	0	0
Other international	1,459	1,450	5	2	2	0	0
Total	24,283	21,454	1,690	99	688	336	16
Victoria International							
Domestic	6,670	2,790	2,231	430	1,085	24	110
Transborder	647	500	19	0	127	0	1
Other international	3	0	2	0	1	0	0
Total	7,320	3,290	2,252	430	1,213	24	111
Whitehorse International							
Domestic	1,416	877	313	7	188	25	6
Transborder	26	1	2	0	19	0	4
Other international	3	3	0	0	0	0	0
Total	1,445	881	315	7	207	25	10
Windsor							
Domestic	1,354	622	393	19	314	6	0
Transborder	92	24	22	0	46	0	0
Other international	1	0	0	0	1	0	0
Total	1,447	646	415	19	361	6	0
Winnipeg/James Armstrong Richardson International							
Domestic	9,354	7,850	370	48	287	424	375
Transborder	1,170	1,020	18	12	114	0	6
Other international	12	11	0	1	0	0	0
Total	10,536	8,881	388	61	401	424	381
Winnipeg/St. Andrews							
Domestic	3,404	597	1,602	833	370	0	2
Transborder	6	0	2	1	3	0	0
Other international	3	3	0	0	0	0	0
Total	3,413	600	1,604	834	373	0	2
Yellowknife							
Domestic	3,295	2,745	385	2	28	74	61
Transborder	6	1	0	0	4	0	1
Other international	3	3	0	0	0	0	0
Total	3,304	2,749	385	2	32	74	62
Total of NAV CANADA towers (42)							
Domestic	224,954	128,268	37,919	25,246	24,427	4,401	4,693
Transborder	41,102	36,087	860	162	3,786	39	168
Other international	9,306	8,806	85	33	229	1	152
Total	275,362	173,161	38,864	25,441	28,442	4,441	5,013

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	1,799	105	274	38	647	24	711
Transborder	26	3	0	0	23	0	0
Other international	0	0	0	0	0	0	0
Total	1,825	108	274	38	670	24	711
Campbell River							
Domestic	1,284	613	135	212	286	30	8
Transborder	18	2	1	0	15	0	0
Other international	0	0	0	0	0	0	0
Total	1,302	615	136	212	301	30	8
Castlegar							
Domestic	764	262	105	333	44	8	12
Transborder	5	0	1	0	2	0	2
Other international	0	0	0	0	0	0	0
Total	769	262	106	333	46	8	14
Charlottetown							
Domestic	894	686	35	0	157	6	10
Transborder	12	2	1	0	9	0	0
Other international	0	0	0	0	0	0	0
Total	906	688	36	0	166	6	10
Churchill							
Domestic	866	738	36	22	60	8	2
Transborder	7	1	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	873	739	36	22	66	8	2
Cranbrook							
Domestic	823	577	30	10	176	8	22
Transborder	14	3	1	0	10	0	0
Other international	0	0	0	0	0	0	0
Total	837	580	31	10	186	8	22
Deer Lake							
Domestic	1,331	931	309	6	18	57	10
Transborder	3	1	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,334	932	309	6	20	57	10
Fort Nelson							
Domestic	2,038	517	1,363	2	123	8	25
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	2,039	518	1,363	2	123	8	25
Fort St. John							
Domestic	1,945	862	736	23	273	26	25
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,945	862	736	23	273	26	25
Grande Prairie							
Domestic	2,682	1,284	798	191	327	16	66
Transborder	5	0	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	2,687	1,284	798	191	332	16	66
High Level							
Domestic	895	326	518	4	33	14	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	895	326	518	4	33	14	0

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements		
		Level I-III and Foreign	Level IV-VI			Civil	Military	
	number							
Îles-de-la-Madeleine								
Domestic	351	280	24	4	9	32	2	
Transborder	4	1	0	0	3	0	0	
Other international	0	0	0	0	0	0	0	
Total	355	281	24	4	12	32	2	
Inuvik/Mike Zubko								
Domestic	1,048	788	205	3	12	20	20	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,048	788	205	3	12	20	20	
Iqaluit								
Domestic	1,449	1,185	120	6	22	97	19	
Transborder	18	6	0	0	12	0	0	
Other international	58	23	5	5	24	0	1	
Total	1,525	1,214	125	11	58	97	20	
Kamloops								
Domestic	1,665	817	313	189	244	54	48	
Transborder	5	0	0	0	3	0	2	
Other international	0	0	0	0	0	0	0	
Total	1,670	817	313	189	247	54	50	
Kenora								
Domestic	911	427	298	22	83	27	54	
Transborder	12	0	0	0	12	0	0	
Other international	0	0	0	0	0	0	0	
Total	923	427	298	22	95	27	54	
Kingston								
Domestic	1,647	440	391	351	388	49	28	
Transborder	46	10	3	0	33	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,693	450	394	351	421	49	28	
Kuujuuaq								
Domestic	950	724	139	0	59	26	2	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	950	724	139	0	59	26	2	
La Grande Rivière								
Domestic	689	509	140	2	32	6	0	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	689	509	140	2	32	6	0	
La Ronge								
Domestic	1,193	1,092	10	0	23	68	0	
Transborder	1	0	0	0	0	1	0	
Other international	0	0	0	0	0	0	0	
Total	1,194	1,092	10	0	23	69	0	
Lethbridge								
Domestic	1,189	450	38	330	327	10	34	
Transborder	71	1	7	7	53	0	3	
Other international	0	0	0	0	0	0	0	
Total	1,260	451	45	337	380	10	37	
Lloydminster								
Domestic	812	266	155	21	344	16	10	
Transborder	5	0	0	0	5	0	0	
Other international	1	1	0	0	0	0	0	
Total	818	267	155	21	349	16	10	

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Medicine Hat							
Domestic	1,025	491	122	160	205	6	41
Transborder	6	1	0	0	4	0	1
Other international	0	0	0	0	0	0	0
Total	1,031	492	122	160	209	6	42
Mont-Joli							
Domestic	773	562	130	7	48	26	0
Transborder	2	2	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	775	564	130	7	48	26	0
Montréal/Mirabel International							
Domestic	1,809	628	565	98	477	6	35
Transborder	208	196	1	0	11	0	0
Other international	9	6	0	3	0	0	0
Total	2,026	830	566	101	488	6	35
Nanaimo							
Domestic	2,176	478	638	90	840	53	77
Transborder	24	3	0	0	21	0	0
Other international	0	0	0	0	0	0	0
Total	2,200	481	638	90	861	53	77
Norman Wells							
Domestic	702	586	103	0	7	6	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	702	586	103	0	7	6	0
North Bay							
Domestic	1,797	616	439	222	438	50	32
Transborder	18	5	1	1	10	0	1
Other international	0	0	0	0	0	0	0
Total	1,815	621	440	223	448	50	33
Ottawa/Gatineau							
Domestic	1,774	234	485	221	770	46	18
Transborder	10	0	0	0	10	0	0
Other international	0	0	0	0	0	0	0
Total	1,784	234	485	221	780	46	18
Peace River							
Domestic	597	411	100	8	60	18	0
Transborder	4	3	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	601	414	100	8	61	18	0
Penticton							
Domestic	1,250	308	480	23	261	44	134
Transborder	12	1	1	0	10	0	0
Other international	1	0	0	0	1	0	0
Total	1,263	309	481	23	272	44	134
Port Hardy							
Domestic	522	403	36	8	23	43	9
Transborder	8	1	0	0	5	0	2
Other international	0	0	0	0	0	0	0
Total	530	404	36	8	28	43	11
Prince Albert							
Domestic	1,690	1,304	90	12	150	116	18
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	1,693	1,304	90	12	153	116	18

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	270	245	2	0	8	15	0
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	272	245	2	0	10	15	0
Rankin Inlet							
Domestic	1,739	842	860	19	4	14	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,739	842	860	19	4	14	0
Red Deer Regional							
Domestic	1,891	208	772	97	764	36	14
Transborder	10	1	3	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	1,901	209	775	97	770	36	14
Rouyn-Noranda							
Domestic	1,157	688	174	125	143	27	0
Transborder	1	0	1	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,158	688	175	125	143	27	0
Saint John							
Domestic	1,146	716	72	72	280	0	6
Transborder	84	5	0	0	79	0	0
Other international	1	0	0	0	1	0	0
Total	1,231	721	72	72	360	0	6
Sept-Îles							
Domestic	2,422	1,298	901	29	90	96	8
Transborder	8	1	0	0	7	0	0
Other international	3	0	0	3	0	0	0
Total	2,433	1,299	901	32	97	96	8
Sioux Lookout							
Domestic	2,266	1,713	398	88	41	24	2
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	2,268	1,713	398	88	43	24	2
Smithers							
Domestic	630	415	152	3	52	8	0
Transborder	7	0	0	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	637	415	152	3	59	8	0
St. Catharines							
Domestic	2,383	6	743	57	1,566	8	3
Transborder	37	1	1	2	33	0	0
Other international	0	0	0	0	0	0	0
Total	2,420	7	744	59	1,599	8	3
Sudbury							
Domestic	2,779	1,613	565	50	365	182	4
Transborder	9	2	3	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	2,788	1,615	568	50	369	182	4
Terrace							
Domestic	1,218	662	476	0	40	40	0
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	1,222	662	476	0	44	40	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	2,620	2,107	337	13	26	133	4
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	2,622	2,107	337	13	28	133	4
Timmins							
Domestic	2,006	1,504	232	8	169	89	4
Transborder	2	1	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	2,008	1,505	232	8	170	89	4
Val-d'Or							
Domestic	1,225	821	172	9	168	52	3
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,226	821	172	9	169	52	3
Victoria Harbour							
Domestic	2,647	2,423	36	9	12	167	0
Transborder	271	269	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	2,918	2,692	36	9	14	167	0
Wabush							
Domestic	1,793	994	670	2	110	17	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,793	994	670	2	110	17	0
Whitecourt							
Domestic	618	13	400	120	71	14	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	618	13	400	120	71	14	0
Williams Lake							
Domestic	634	420	61	20	115	10	8
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	635	420	61	20	116	10	8
Total of all flight service stations (51)							
Domestic	70,784	36,588	16,383	3,339	10,990	1,956	1,528
Transborder	989	523	25	10	419	1	11
Other international	73	30	5	11	26	0	1
Total	71,846	37,141	16,413	3,360	11,435	1,957	1,540

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	8,733	16	15	79	25	507
Boundary Bay	8	12,671	9	13	107	5	634
Calgary International	3	20,313	13	18	65	18	783
Calgary/Springbank	7	13,165	14	13	120	8	717
Chicoutimi/St-Honoré	24	6,362	3	13	124	4	593
Edmonton City Centre	31	5,017	11	8	33	18	254
Edmonton International	11	11,748	6	17	42	12	490
Edmonton/Villeneuve	26	6,085	18	15	75	9	375
Fort McMurray	27	6,041	4	10	43	4	263
Fredericton International	32	4,887	27	16	52	7	380
Gander International	40	2,469	4	9	39	4	210
Halifax/Robert L. Stanfield International	23	7,265	21	10	40	21	319
Hamilton	38	2,969	25	12	25	6	165
Kelowna	29	5,670	31	13	48	27	296
Kitchener/Waterloo	15	10,494	5	14	105	5	876
Langley	25	6,181	2	13	67	2	493
London	21	8,115	29	11	74	18	531
Moncton/Greater Moncton International	22	7,517	11	9	55	18	490
Montréal/Pierre Elliott Trudeau International	4	19,539	6	20	64	28	736
Montréal/St-Hubert	6	15,127	7	11	133	26	1,189
Oshawa	28	5,737	5	18	72	5	502
Ottawa/Macdonald-Cartier International	5	17,512	31	9	105	23	910
Pitt Meadows	18	8,824	2	11	96	2	594
Prince George	39	2,651	25	16	42	25	176
Québec/Jean Lesage International	12	11,692	24	16	66	7	627
Regina International	30	5,200	24	15	51	21	283
Saskatoon/John G. Diefenbaker International	20	8,283	24	18	67	21	431
Sault Ste. Marie	33	4,715	26	15	63	26	348
St. John's International	37	3,567	10	9	31	14	167
St-Jean	36	3,643	23	14	48	10	379
Thunder Bay	16	9,295	27	20	83	24	542
Toronto/Billy Bishop Toronto City	14	11,464	27	20	80	5	632
Toronto/Buttonville Municipal	9	12,401	17	20	102	6	911
Toronto/Lester B. Pearson International	1	36,143	5	18	95	7	1,290
Vancouver Harbour	34	4,568	6	17	29	6	203
Vancouver International	2	24,341	27	8	81	6	902
Victoria International	10	11,820	27	14	86	27	621
Whitehorse International	42	1,741	21	12	24	21	93
Windsor	41	2,043	28	19	28	28	121
Winnipeg/James Armstrong Richardson International	13	11,682	11	15	49	28	479
Winnipeg/St. Andrews	17	9,069	12	15	81	20	546
Yellowknife	35	3,982	28	16	34	28	226

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	15	2,513	5	11	42	9	187
Campbell River	20	1,984	9	14	80	9	189
Castlegar	31	1,347	5	9	69	2	162
Charlottetown	38	1,092	1	9	13	12	67
Churchill	42	873	29	14	11	26	42
Cranbrook	41	899	1	12	17	24	46
Deer Lake	30	1,348	17	11	13	12	65
Fort Nelson	16	2,389	28	12	39	25	178
Fort St. John	18	2,061	31	10	29	25	111
Grande Prairie	5	3,843	15	11	51	25	239
High Level	35	1,135	24	16	41	28	110
Îles-de-la-Madeleine	50	355	18	10	4	3	19
Inuvik/Mike Zubko	37	1,122	6	10	21	6	81
Iqaluit	26	1,651	5	19	27	5	110
Kamloops	10	2,764	15	16	35	15	184
Kenora	34	1,145	20	19	19	20	93
Kingston	11	2,679	5	20	38	11	182
Kuujuuaq	36	1,128	4	12	19	4	98
La Grande Rivière	45	691	28	9	11	28	42
La Ronge	32	1,324	27	15	15	20	76
Lethbridge	21	1,984	27	19	34	3	124
Lloydminster	40	1,010	16	12	21	18	76
Medicine Hat	29	1,393	22	12	25	22	83
Mont-Joli	44	775	11	18	8	18	41
Montréal/Mirabel International	7	3,376	18	13	56	18	258
Nanaimo	4	4,146	16	15	61	15	333
Norman Wells	43	814	31	21	21	3	58
North Bay	1	5,447	18	14	76	27	450
Ottawa/Gatineau	2	4,550	22	14	55	23	312
Peace River	48	639	27	11	10	26	43
Penticton	14	2,523	18	14	81	18	286
Port Hardy	49	546	24	14	13	24	36
Prince Albert	24	1,738	18	15	15	18	102
Prince Rupert	51	282	23	13	8	2	18
Rankin Inlet	23	1,739	26	13	22	26	137
Red Deer Regional	3	4,285	17	16	78	17	459
Rouyn-Noranda	28	1,398	4	13	17	4	94
Saint John	25	1,659	29	10	23	12	97
Sept-Îles	13	2,567	8	14	26	18	122
Sioux Lookout	17	2,308	25	21	20	26	110
Smithers	47	655	6	11	8	6	47
St. Catharines	6	3,823	8	11	69	22	418
Sudbury	8	3,294	8	12	44	7	230
Terrace	33	1,222	27	10	12	5	70
Thompson	12	2,674	1	12	21	6	129
Timmins	19	2,038	28	11	15	27	111
Val-d'Or	27	1,430	19	14	23	25	103
Victoria Harbour	9	2,996	27	13	26	27	139
Wabush	22	1,904	31	11	22	24	123
Whitecourt	39	1,092	21	11	32	21	138
Williams Lake	46	687	30	13	15	16	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	32	3,007	16	13	34	16	168
Boundary Bay	18	4,591	25	16	53	14	298
Calgary International	3	20,067	13	18	63	18	773
Calgary/Springbank	17	4,773	14	13	38	8	263
Chicoutimi/St-Honoré	40	1,716	4	10	21	4	117
Edmonton City Centre	20	4,481	14	13	25	18	226
Edmonton International	6	11,246	6	17	42	19	456
Edmonton/Villeneuve	36	2,205	9	11	38	8	230
Fort McMurray	16	5,359	6	17	28	27	228
Fredericton International	33	2,671	7	17	20	7	202
Gander International	39	1,745	4	14	16	4	102
Halifax/Robert L. Stanfield International	12	6,959	21	10	28	21	275
Hamilton	35	2,263	8	13	12	6	109
Kelowna	24	3,827	6	10	18	13	171
Kitchener/Waterloo	22	4,194	5	14	35	4	306
Langley	26	3,511	2	13	63	2	389
London	21	4,243	7	15	29	7	248
Moncton/Greater Moncton International	23	4,075	19	11	20	27	226
Montréal/Pierre Elliott Trudeau International	4	19,425	20	17	62	28	734
Montréal/St-Hubert	10	7,603	10	14	54	26	491
Oshawa	30	3,303	30	15	36	5	226
Ottawa/Macdonald-Cartier International	5	12,076	1	9	47	5	517
Pitt Meadows	31	3,154	2	14	41	2	248
Prince George	38	1,945	7	16	15	6	97
Québec/Jean Lesage International	8	8,556	7	15	41	7	427
Regina International	25	3,586	21	9	16	21	161
Saskatoon/John G. Diefenbaker International	14	5,739	12	13	27	12	262
Sault Ste. Marie	34	2,301	22	14	30	22	146
St. John's International	28	3,367	4	17	14	12	142
St-Jean	37	2,089	22	13	42	10	311
Thunder Bay	15	5,547	6	16	29	21	301
Toronto/Billy Bishop Toronto City	9	7,670	7	18	36	7	351
Toronto/Buttonville Municipal	13	5,777	7	14	42	7	450
Toronto/Lester B. Pearson International	1	35,977	5	18	95	7	1,282
Vancouver Harbour	19	4,566	6	17	29	6	203
Vancouver International	2	24,283	27	8	81	6	902
Victoria International	11	7,320	27	16	39	27	343
Whitehorse International	42	1,445	1	14	15	5	81
Windsor	41	1,447	29	10	15	8	78
Winnipeg/James Armstrong Richardson International	7	10,536	26	15	39	26	423
Winnipeg/St. Andrews	27	3,413	20	16	27	21	190
Yellowknife	29	3,304	26	14	21	12	143

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	14	1,825	2	11	28	2	166
Campbell River	24	1,302	15	12	18	18	92
Castlegar	42	769	5	9	11	3	42
Charlottetown	36	906	22	12	6	12	47
Churchill	38	873	29	14	11	26	42
Cranbrook	39	837	24	12	15	24	46
Deer Lake	23	1,334	12	13	12	12	65
Fort Nelson	9	2,039	13	11	23	25	134
Fort St. John	12	1,945	25	10	19	25	111
Grande Prairie	3	2,687	1	14	18	20	130
High Level	37	895	26	10	8	27	56
Îles-de-la-Madeleine	50	355	18	10	4	3	19
Inuvik/Mike Zubko	32	1,048	19	13	11	14	58
Iqaluit	22	1,525	22	16	19	19	101
Kamloops	21	1,670	12	10	22	12	80
Kenora	35	923	26	12	10	20	53
Kingston	19	1,693	29	11	20	7	103
Kuujuuaq	34	950	5	12	12	4	56
La Grande Rivière	44	689	28	9	11	28	42
La Ronge	30	1,194	5	8	10	12	70
Lethbridge	26	1,260	5	11	15	3	64
Lloydminster	40	818	23	10	9	18	50
Medicine Hat	33	1,031	9	19	9	27	52
Mont-Joli	41	775	11	18	8	18	41
Montréal/Mirabel International	10	2,026	26	13	19	26	122
Nanaimo	8	2,200	15	15	35	15	143
Norman Wells	43	702	5	12	9	3	40
North Bay	15	1,815	6	16	19	6	126
Ottawa/Gatineau	17	1,784	22	14	21	23	144
Peace River	48	601	4	10	9	14	37
Penticton	25	1,263	29	15	15	18	76
Port Hardy	49	530	24	14	11	24	32
Prince Albert	20	1,693	18	15	15	18	102
Prince Rupert	51	272	6	10	5	2	18
Rankin Inlet	18	1,739	26	13	22	26	137
Red Deer Regional	13	1,901	8	11	29	17	129
Rouyn-Noranda	31	1,158	6	16	10	26	66
Saint John	27	1,231	23	11	11	12	67
Sept-Îles	5	2,433	22	10	16	18	112
Sioux Lookout	7	2,268	5	8	15	12	109
Smithers	45	637	6	11	8	6	47
St. Catharines	6	2,420	8	11	49	22	350
Sudbury	2	2,788	5	13	17	6	147
Terrace	29	1,222	27	10	12	5	70
Thompson	4	2,622	3	16	14	6	125
Timmins	11	2,008	28	11	15	27	109
Val-d'Or	28	1,226	26	13	13	11	74
Victoria Harbour	1	2,918	20	15	20	6	131
Wabush	16	1,793	18	11	17	4	80
Whitecourt	47	618	21	14	9	13	55
Williams Lake	46	635	18	14	7	14	33

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	5,726	8	14	66	25	344
Boundary Bay	2	8,080	9	13	82	5	504
Calgary International	37	246	22	9	16	15	56
Calgary/Springbank	1	8,392	8	13	84	8	454
Chicoutimi/St-Honoré	10	4,646	3	13	112	4	476
Edmonton City Centre	33	536	10	22	16	8	44
Edmonton International	34	502	19	14	12	12	38
Edmonton/Villeneuve	12	3,880	18	15	70	19	260
Fort McMurray	30	682	4	10	32	21	64
Fredericton International	22	2,216	27	16	40	23	204
Gander International	27	724	4	9	28	12	110
Halifax/Robert L. Stanfield International	35	306	26	17	18	21	44
Hamilton	28	706	4	11	16	8	58
Kelowna	23	1,843	31	13	32	27	138
Kitchener/Waterloo	5	6,300	5	14	70	5	590
Langley	18	2,670	11	10	60	24	196
London	13	3,872	29	11	58	18	318
Moncton/Greater Moncton International	16	3,442	13	8	44	18	286
Montréal/Pierre Elliott Trudeau International	40	114	1	10	24	1	40
Montréal/St-Hubert	3	7,524	7	11	90	26	698
Oshawa	20	2,434	7	20	62	5	276
Ottawa/Macdonald-Cartier International	9	5,436	23	13	66	23	490
Pitt Meadows	7	5,670	24	12	76	2	346
Prince George	29	706	26	12	32	25	100
Québec/Jean Lesage International	17	3,136	11	20	42	26	220
Regina International	24	1,614	24	15	36	21	122
Saskatoon/John G. Diefenbaker International	19	2,544	24	18	52	24	190
Sault Ste. Marie	21	2,414	26	15	56	26	240
St. John's International	38	200	10	9	24	14	42
St-Jean	25	1,554	31	10	34	26	162
Thunder Bay	15	3,748	27	20	74	24	304
Toronto/Billy Bishop Toronto City	14	3,794	27	20	60	5	300
Toronto/Buttonville Municipal	4	6,624	17	20	92	6	526
Toronto/Lester B. Pearson International	39	166	22	12	22	22	50
Vancouver Harbour	42	2	21	14	2	21	2
Vancouver International	41	58	23	9	12	23	26
Victoria International	11	4,500	20	10	58	27	278
Whitehorse International	36	296	21	12	18	21	36
Windsor	32	596	28	19	26	28	56
Winnipeg/James Armstrong Richardson International	26	1,146	3	20	22	11	70
Winnipeg/St. Andrews	8	5,656	12	15	66	20	378
Yellowknife	31	678	28	17	24	28	84

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	12	688	5	11	32	5	94
Campbell River	13	682	9	14	66	9	114
Castlegar	14	578	5	9	58	2	124
Charlottetown	25	186	1	9	10	12	20
Churchill	0	0	0	0	0	0	0
Cranbrook	35	62	1	12	14	1	16
Deer Lake	44	14	17	11	8	17	8
Fort Nelson	19	350	28	12	32	28	48
Fort St. John	30	116	31	10	20	31	20
Grande Prairie	8	1,156	15	11	44	25	110
High Level	21	240	24	16	36	28	68
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	34	74	6	10	18	6	28
Iqaluit	29	126	5	19	22	5	38
Kamloops	9	1,094	15	16	30	15	112
Kenora	22	222	20	19	16	20	40
Kingston	10	986	5	20	34	11	106
Kuujuuaq	26	178	4	12	14	4	42
La Grande Rivière	46	2	21	15	2	21	2
La Ronge	28	130	16	11	12	14	22
Lethbridge	11	724	3	21	30	18	70
Lloydminster	24	192	16	12	14	17	26
Medicine Hat	18	362	22	12	22	22	50
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	6	1,350	18	13	48	18	170
Nanaimo	4	1,946	16	15	44	16	216
Norman Wells	31	112	31	21	20	31	22
North Bay	1	3,632	18	14	66	18	350
Ottawa/Gatineau	2	2,766	19	17	46	10	188
Peace River	40	38	27	11	6	27	10
Penticton	7	1,260	18	14	76	18	210
Port Hardy	43	16	6	9	4	6	8
Prince Albert	38	45	23	13	10	23	24
Prince Rupert	45	10	23	13	8	23	8
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	3	2,384	13	10	58	17	330
Rouyn-Noranda	20	240	4	13	12	4	34
Saint John	17	428	29	10	18	27	50
Sept-Îles	27	134	8	14	14	8	30
Sioux Lookout	39	40	25	21	16	25	16
Smithers	42	18	8	9	4	8	4
St. Catharines	5	1,403	18	16	34	18	184
Sudbury	15	506	8	12	34	7	98
Terrace	0	0	0	0	0	0	0
Thompson	36	52	1	12	14	1	16
Timmins	41	30	29	18	8	29	8
Val-d'Or	23	204	25	10	16	25	46
Victoria Harbour	33	78	27	13	16	23	16
Wabush	32	111	24	14	16	24	54
Whitecourt	16	474	21	11	24	21	88
Williams Lake	37	52	16	13	12	13	16

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	6	5,726	8	14	66	25	344
Boundary Bay	2	8,080	9	13	82	5	504
Calgary International	37	246	22	9	16	15	56
Calgary/Springbank	1	8,390	8	13	84	8	454
Chicoutimi/St-Honoré	10	4,646	3	13	112	4	476
Edmonton City Centre	33	532	10	22	16	8	44
Edmonton International	34	498	19	14	12	12	38
Edmonton/Villeneuve	12	3,880	18	15	70	19	260
Fort McMurray	30	682	4	10	32	21	64
Fredericton International	22	2,216	27	16	40	23	204
Gander International	27	724	4	9	28	12	110
Halifax/Robert L. Stanfield International	35	304	26	17	18	21	44
Hamilton	29	704	4	11	16	8	58
Kelowna	23	1,823	31	13	32	27	138
Kitchener/Waterloo	5	6,300	5	14	70	5	590
Langley	18	2,670	11	10	60	24	196
London	13	3,872	29	11	58	18	318
Moncton/Greater Moncton International	16	3,442	13	8	44	18	286
Montréal/Pierre Elliott Trudeau International	40	114	1	10	24	1	40
Montréal/St-Hubert	3	7,524	7	11	90	26	698
Oshawa	20	2,434	7	20	62	5	276
Ottawa/Macdonald-Cartier International	9	5,434	23	13	66	23	490
Pitt Meadows	7	5,670	24	12	76	2	346
Prince George	28	706	26	12	32	25	100
Québec/Jean Lesage International	17	3,134	11	20	42	26	220
Regina International	25	1,360	24	15	36	21	112
Saskatoon/John G. Diefenbaker International	19	2,456	24	18	50	24	188
Sault Ste. Marie	21	2,406	26	15	56	26	240
St. John's International	38	200	10	9	24	14	42
St-Jean	24	1,554	31	10	34	26	162
Thunder Bay	15	3,742	27	20	74	24	304
Toronto/Billy Bishop Toronto City	14	3,794	27	20	60	5	300
Toronto/Buttonville Municipal	4	6,624	17	20	92	6	526
Toronto/Lester B. Pearson International	39	166	22	12	22	22	50
Vancouver Harbour	42	2	21	14	2	21	2
Vancouver International	41	58	23	9	12	23	26
Victoria International	11	4,486	20	10	58	27	278
Whitehorse International	36	296	21	12	18	21	36
Windsor	32	596	28	19	26	28	56
Winnipeg/James Armstrong Richardson International	26	1,144	3	20	22	11	70
Winnipeg/St. Andrews	8	5,656	12	15	66	20	378
Yellowknife	31	678	28	17	24	28	84

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	13	578	29	10	32	24	76
Campbell River	12	681	9	14	66	9	114
Castlegar	14	576	5	9	56	2	124
Charlottetown	25	182	1	9	10	12	18
Churchill	0	0	0	0	0	0	0
Cranbrook	35	62	1	12	14	1	16
Deer Lake	44	14	17	11	8	17	8
Fort Nelson	19	350	28	12	32	28	48
Fort St. John	30	116	31	10	20	31	20
Grande Prairie	8	1,156	15	11	44	25	110
High Level	20	240	24	16	36	28	68
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	34	74	6	10	18	6	28
Iqaluit	29	126	5	19	22	5	38
Kamloops	9	1,094	15	16	30	15	112
Kenora	22	210	20	19	16	20	40
Kingston	10	986	5	20	34	11	106
Kuujuuaq	26	178	4	12	14	4	42
La Grande Rivière	46	2	21	15	2	21	2
La Ronge	28	130	16	11	12	14	22
Lethbridge	11	688	27	19	28	18	70
Lloydminster	24	192	16	12	14	17	26
Medicine Hat	18	362	22	12	22	22	50
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	5	1,342	18	13	48	18	170
Nanaimo	6	1,334	31	11	40	27	192
Norman Wells	31	112	31	21	20	31	22
North Bay	1	3,632	18	14	66	18	350
Ottawa/Gatineau	2	2,766	19	17	46	10	188
Peace River	40	38	27	11	6	27	10
Penticton	7	1,242	18	14	76	18	210
Port Hardy	43	16	6	9	4	6	8
Prince Albert	38	45	23	13	10	23	24
Prince Rupert	45	10	23	13	8	23	8
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	3	2,384	13	10	58	17	330
Rouyn-Noranda	21	240	4	13	12	4	34
Saint John	17	428	29	10	18	27	50
Sept-Îles	27	134	8	14	14	8	30
Sioux Lookout	39	40	25	21	16	25	16
Smithers	42	18	8	9	4	8	4
St. Catharines	4	1,403	18	16	34	18	184
Sudbury	15	506	8	12	34	7	98
Terrace	0	0	0	0	0	0	0
Thompson	37	52	1	12	14	1	16
Timmins	41	30	29	18	8	29	8
Val-d'Or	23	204	25	10	16	25	46
Victoria Harbour	33	78	27	13	16	23	16
Wabush	32	111	24	14	16	24	54
Whitecourt	16	474	21	11	24	21	88
Williams Lake	36	52	16	13	12	13	16

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	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	14	2	13	19	2	13	2
Chicoutimi/St-Honoré	0	0	0	0	0	0	0
Edmonton City Centre	8	4	13	18	2	13	2
Edmonton International	7	4	21	16	2	21	2
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	0	0	0	0	0	0	0
Fredericton International	0	0	0	0	0	0	0
Gander International	0	0	0	0	0	0	0
Halifax/Robert L. Stanfield International	9	2	15	12	2	15	2
Hamilton	10	2	28	14	2	28	2
Kelowna	3	20	6	12	16	6	16
Kitchener/Waterloo	0	0	0	0	0	0	0
Langley	0	0	0	0	0	0	0
London	0	0	0	0	0	0	0
Moncton/Greater Moncton International	0	0	0	0	0	0	0
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	0	0	0	0	0	0	0
Oshawa	0	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	11	2	14	15	2	14	2
Pitt Meadows	0	0	0	0	0	0	0
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	12	2	3	14	2	3	2
Regina International	1	254	4	12	8	6	22
Saskatoon/John G. Diefenbaker International	2	88	4	18	8	17	12
Sault Ste. Marie	5	8	23	14	4	23	6
St. John's International	0	0	0	0	0	0	0
St-Jean	0	0	0	0	0	0	0
Thunder Bay	6	6	5	17	2	5	2
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	4	14	11	11	8	11	8
Whitehorse International	0	0	0	0	0	0	0
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	13	2	8	12	2	8	2
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	2	110	18	13	18	5	22
Campbell River	9	1	15	14	1	15	1
Castlegar	8	2	5	9	2	5	2
Charlottetown	7	4	12	14	2	12	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	5	12	7	14	8	7	12
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	3	36	3	20	20	3	36
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	6	8	28	16	6	28	6
Nanaimo	1	612	15	12	28	1	140
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	4	18	11	16	14	11	14
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	0	0	0	0	0	0	0
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

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

Beginning in September 2011, Porter Airlines has added an additional daily roundtrip flight between 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 the Waterloo Region International Airport and Montreal's Pierre Elliott Trudeau International Airport in May 2011.

In May 2011 WestJet has begun the reintroduction of flights from Munro Hamilton International Airport, 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 Billy Bishop Toronto City Airport to Windsor Airport and Sault Ste. Marie.

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

Starting May 1, 2011 Air Canada began daily service between 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.