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



May 2008



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Statistics Canada
Transportation Division

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

May 2008

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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

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Highlights

Aircraft take-offs and landings at Canadian airports with NAV CANADA air traffic control towers and flight service stations remained virtually unchanged (-0.1%) in May 2008 compared to May 2007. These 95 airports reported 591,675 movements in May 2008 compared with 592,439 movements at 95 airports in May 2007.

Itinerant movements (flights from one airport to another) increased slightly (+0.6%) up 2,304 movements in May 2008 compared with the same month a year earlier.

Local movements (flights that remain in the vicinity of the airport) decreased by 1.6% (-3,068 movements) in May 2008 compared with May 2007.

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

	NAV CANADA towers		NAV CANADA Flight Service Stations		Total	
	number	Change from May 2008/ May 2007 percent	number	Change from May 2008/ May 2007 percent	number	Change from May 2008/ May 2007 percent
Grand total	467,255	-0.3	124,420	0.6	591,675	-0.1
Itinerant movements						
Air carriers	220,799	1.6	65,479	5.9	286,278	2.5
Other commercial movements	48,216	3.9	6,861	-10.2	55,077	1.9
Private movements	34,467	-9.3	12,592	-15.4	47,059	-11.0
Government civil movements	5,908	-3.3	2,821	1.8	8,729	-1.7
Government military movements	4,205	-10.6	2,528	36.0	6,733	2.6
Itinerant total	313,595	0.3	90,281	1.5	403,876	0.6
Local movements						
Civil local movements	152,508	-1.3	33,159	-2.8	185,667	-1.6
Military local movements	1,152	-28.0	980	78.2	2,132	-0.9
Local total	153,660	-1.6	34,139	-1.5	187,799	-1.6

Analysis

Aircraft take-offs and landings at Canadian airports with NAV CANADA air traffic control towers and flight service stations remained virtually unchanged (-0.1%) in May 2008 compared to May 2007. These 95 airports reported 591,675 movements in May 2008 compared with 592,439 movements at 95 airports in May 2007.

Itinerant movements (flights from one airport to another) increased slightly (+0.6%) up 2,304 movements in May 2008 compared with the same month a year earlier.

Local movements (flights that remain in the vicinity of the airport) decreased by 1.6% (-3,068 movements) in May 2008 compared with May 2007.

Airports with NAV CANADA air traffic control towers

The 42 Canadian airports with NAV CANADA air traffic control towers reported 467,255 aircraft take-offs and landings in May, almost no change (-0.3%) compared with May 2007. Year-over-year increases in aircraft movements were reported by 21 of these airports in May 2008. The variations ranged from an increase of 32.6% at London, Ontario to a decline of 39.3% at Oshawa, Ontario.

Itinerant movements (flights from one airport to another) remained constant in May compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 20.1% increase (+1,399 movements) at London, Ontario to a decline of 29.0% (-834 movements) at Sudbury, Ontario.

Local movements (flights that remain in the vicinity of the airport) decreased slightly (-1.6%) down by 2,535 movements in May compared with May 2007. London, Ontario recorded the largest gain in local movements, increasing by 3,230 movements (+44.5%) while Hamilton, Ontario reported 1,280 fewer movements (-60.6%) compared with May 2007.

Airports with NAV CANADA flight service stations

The 53 Canadian airports with NAV CANADA flight service stations reported 124,420 aircraft take-offs and landings in May, up a slight 0.6% (+783 movements) compared with May 2007. Year-over-year increases in aircraft movements were reported by 29 of these airports in May 2008. The variations ranged from a 142.5% increase (+3,390 movements) at Fredericton International, New Brunswick to a decline of -44.1% (-904 movements) at Terrace, British Columbia.

Itinerant movements (flights from one airport to another) increased by 1.5% (+1,316 movements) in May compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 109.1% increase (+848 movements) at Brandon Municipal, Manitoba to a decline of 50.5% (-1,874 movements) at St. Catharines, Ontario.

Local movements (flights that remain in the vicinity of the airport) recorded in May 2008 decreased by 1.5% (-533 movements) compared with the same month a year earlier. Fredericton International, New Brunswick recorded the largest gain in local movements, increasing by 2,080 movements (+920.4%) compared with May 2007.

Related products

Selected CANSIM tables from Statistics Canada

401-0005	Aircraft movements by class of operation, airports with NAV CANADA towers, preliminary, monthly
401-0006	Aircraft movements by class of operation, airports with NAV CANADA towers, preliminary, annual
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 gross take-off weight, airports with NAV CANADA towers, monthly
401-0013	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA towers, monthly
401-0014	Aircraft movements, by class of operation and peak hour and peak day of movements, airports with NAV CANADA flight service stations, monthly
401-0015	Aircraft movements, by civil and military movements, airports with NAV CANADA flight service stations, monthly
401-0016	Itinerant movements, by type of operation, airports with NAV CANADA flight service stations, monthly
401-0017	Itinerant movements, by instrument flight rules, visual flight rules and runway 88, airports with NAV CANADA flight service stations, monthly
401-0018	Itinerant movements, by type of power plant, airports with NAV CANADA flight service stations, monthly
401-0019	Itinerant movements, by aircraft gross take-off weight, airports with NAV CANADA flight service stations, monthly
401-0020	Domestic and international itinerant movements, by type of operation, airports with NAV CANADA flight service stations, monthly

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	9	15,715	16	6,513	4	9,202
Boundary Bay	3	21,538	12	8,426	1	13,112
Calgary International	4	21,359	3	21,106	37	253
Calgary/Springbank	11	15,336	18	6,306	5	9,030
Chicoutimi/St-Honoré	23	8,235	31	3,367	14	4,868
Edmonton City Centre	24	8,169	15	6,792	29	1,377
Edmonton International	18	11,306	7	10,896	36	410
Edmonton/Villeneuve	28	7,256	42	1,622	12	5,634
Gander International	36	4,898	37	2,504	23	2,394
Halifax/Robert L Stanfield International	25	7,949	13	7,255	33	694
Hamilton	33	5,914	29	3,802	26	2,112
Kelowna	26	7,788	24	4,909	21	2,879
Kitchener/Waterloo	19	10,313	26	4,597	11	5,716
Langley	17	11,557	25	4,697	8	6,860
London	12	14,220	14	6,966	7	7,254
Moncton/Greater Moncton International	16	11,679	17	6,498	13	5,181
Montréal/Mirabel International	42	2,448	40	1,824	34	624
Montréal/Pierre Elliott Trudeau International	5	19,718	4	19,718	0	0
Montréal/St-Hubert	6	19,632	11	8,512	2	11,120
Oshawa	32	5,943	36	2,607	18	3,336
Ottawa/Macdonald-Cartier International	10	15,610	5	12,151	17	3,459
Pitt Meadows	15	12,013	27	4,257	6	7,756
Prince George	34	5,437	33	2,961	22	2,476
Québec/Jean Lesage International	13	12,821	9	9,020	16	3,801
Regina International	35	5,107	28	3,840	30	1,267
Saskatoon/John G Diefenbaker International	22	9,178	20	6,005	20	3,173
Sault Ste. Marie	31	6,139	34	2,883	19	3,256
St. John's International	40	3,400	32	3,184	38	216
St-Jean	41	2,667	41	1,787	31	880
Sudbury	39	3,424	35	2,876	35	548
Thunder Bay	27	7,644	21	5,522	25	2,122
Toronto/Buttonville Municipal	7	18,479	10	8,651	3	9,828
Toronto/City Centre	21	9,604	22	5,160	15	4,444
Toronto/Lester B Pearson International	1	36,884	1	36,884	0	0
Vancouver Harbour	30	6,217	19	6,209	39	8
Vancouver International	2	28,587	2	28,587	0	0
Victoria International	8	16,060	8	10,052	9	6,008
Whitehorse International	38	3,662	39	1,974	28	1,688
Windsor	37	4,226	38	2,012	24	2,214
Winnipeg/James Armstrong Richardson International	14	12,532	6	11,754	32	778
Winnipeg/St. Andrews	20	9,724	30	3,770	10	5,954
Yellowknife	29	6,867	23	5,139	27	1,728
Total of NAV CANADA towers (42)	.	467,255	.	313,595	.	153,660

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	26	2,005	26	1,625	21	380
Campbell River	14	2,963	15	2,059	14	904
Castlegar	49	611	49	507	39	104
Charlottetown	25	2,130	30	1,432	18	698
Churchill	45	1,032	40	1,016	46	16
Cranbrook	33	1,521	38	1,116	20	405
Deer Lake	27	1,878	27	1,622	27	256
Fort McMurray	1	7,169	1	6,134	12	1,035
Fort Nelson	31	1,749	24	1,685	44	64
Fort St John	15	2,933	10	2,277	19	656
Fredericton International	3	5,769	3	3,463	2	2,306
Grande Prairie	7	4,150	5	2,904	10	1,246
High Level	40	1,252	36	1,149	40	103
Îles-de-la-Madeleine	51	445	51	445	0	0
Inuvik/Mike Zubko	28	1,851	22	1,749	41	102
Iqaluit	29	1,846	23	1,698	35	148
Kamloops	4	4,897	6	2,674	4	2,223
Kenora	37	1,377	35	1,179	31	198
Kingston	17	2,790	18	1,868	13	922
Kuujuuaq	34	1,496	32	1,324	34	172
Kuujuuarapik	48	700	48	700	0	0
La Grande Rivière	46	824	46	808	47	16
La Ronge	20	2,553	13	2,179	22	374
Lethbridge	18	2,660	21	1,786	15	874
Lloydminster	32	1,567	45	865	17	702
Medicine Hat	38	1,278	43	932	23	346
Mont-Joli	52	437	52	415	45	22
Nanaimo	8	4,053	8	2,511	8	1,542
Norman Wells	12	3,271	20	1,817	9	1,454
North Bay	2	6,484	12	2,232	1	4,252
Ottawa/Gatineau	11	3,309	29	1,499	7	1,810
Peace River	35	1,479	34	1,179	26	300
Penticton	9	4,002	16	1,988	6	2,014
Port Hardy	44	1,049	42	961	43	88
Prince Albert	23	2,301	14	2,119	32	182
Prince Rupert	50	568	50	456	37	112
Rankin Inlet	36	1,379	31	1,379	0	0
Red Deer Regional	6	4,676	9	2,437	3	2,239
Rouyn-Noranda	39	1,273	37	1,129	36	144
Saint John	30	1,792	28	1,615	33	177
Sept-Îles	24	2,228	17	1,924	25	304
Sioux Lookout	16	2,794	7	2,570	30	224
Smithers	43	1,130	44	876	28	254
St Anthony	53	386	53	386	0	0
St Catharines	10	3,908	19	1,838	5	2,070
Terrace	42	1,145	39	1,043	42	102
Thompson	13	3,181	4	3,070	38	111
Timmins	19	2,597	11	2,259	24	338
Val-d'Or	22	2,308	33	1,242	11	1,066
Victoria Harbour	5	4,726	2	4,726	0	0
Wabush	47	770	47	770	0	0
Whitecourt	21	2,490	25	1,644	16	846
Williams Lake	41	1,238	41	1,000	29	238
Total of all flight service stations (53)	.	124,420	.	90,281	.	34,139

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

	Civil movements				Military movements		
	Total	Itinerant		Civil	Total	Itinerant	Military
		Commercial	Private and government				
	number						
Abbotsford	15,670	4,759	1,711	9,200	45	43	2
Boundary Bay	21,508	6,662	1,734	13,112	30	30	0
Calgary International	21,228	19,279	1,700	249	131	127	4
Calgary/Springbank	15,311	4,504	1,779	9,028	25	23	2
Chicoutimi/St-Honoré	8,211	3,147	212	4,852	24	8	16
Edmonton City Centre	8,065	4,839	1,857	1,369	104	96	8
Edmonton International	11,076	10,300	386	390	230	210	20
Edmonton/Villeneuve	7,219	1,252	333	5,634	37	37	0
Gander International	4,491	1,877	344	2,270	407	283	124
Halifax/Robert L. Stanfield International	7,670	6,553	485	632	279	217	62
Hamilton	5,904	3,079	715	2,110	10	8	2
Kelowna	7,751	3,987	902	2,862	37	20	17
Kitchener/Waterloo	10,270	3,529	1,029	5,712	43	39	4
Langley	11,546	3,159	1,527	6,860	11	11	0
London	14,216	5,803	1,159	7,254	4	4	0
Moncton/Greater Moncton International	11,649	5,995	477	5,177	30	26	4
Montréal/Mirabel International	2,353	1,356	392	605	95	76	19
Montréal/Pierre Elliott Trudeau International	19,689	17,814	1,875	0	29	29	0
Montréal/St-Hubert	19,419	6,600	1,703	11,116	213	209	4
Oshawa	5,939	1,820	783	3,336	4	4	0
Ottawa/Macdonald-Cartier International	15,410	10,686	1,276	3,448	200	189	11
Pitt Meadows	11,957	2,875	1,326	7,756	56	56	0
Prince George	5,372	2,307	589	2,476	65	65	0
Québec/Jean Lesage International	12,544	6,950	1,797	3,797	277	273	4
Regina International	4,739	2,782	761	1,196	368	297	71
Saskatoon/John G. Diefenbaker International	8,990	4,819	1,048	3,123	188	138	50
Sault Ste. Marie	6,105	2,637	228	3,240	34	18	16
St. John's International	3,211	2,789	206	216	189	189	0
St-Jean	2,147	528	739	880	520	520	0
Sudbury	3,380	2,249	583	548	44	44	0
Thunder Bay	7,497	4,932	485	2,080	147	105	42
Toronto/Buttonville Municipal	18,473	6,246	2,399	9,828	6	6	0
Toronto/City Centre	9,576	4,321	811	4,444	28	28	0
Toronto/Lester B. Pearson International	36,864	35,364	1,500	0	20	20	0
Vancouver Harbour	6,215	6,156	51	8	2	2	0
Vancouver International	28,564	27,348	1,216	0	23	23	0
Victoria International	15,706	8,052	1,912	5,742	354	88	266
Whitehorse International	3,640	1,433	523	1,684	22	18	4
Windsor	4,224	1,609	401	2,214	2	2	0
Winnipeg/James Armstrong Richardson International	11,727	10,412	823	492	805	519	286
Winnipeg/St. Andrews	9,697	3,325	418	5,954	27	27	0
Yellowknife	6,675	4,881	180	1,614	192	78	114
Total of NAV CANADA towers (42)	461,898	269,015	40,375	152,508	5,357	4,205	1,152

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

	Civil movements				Military movements		
	Total	Itinerant		Civil	Total	Itinerant	Military
		Commercial	Private and government				
	number						
Brandon Municipal	1,599	686	557	356	406	382	24
Campbell River	2,937	1,447	586	904	26	26	0
Castlegar	603	411	88	104	8	8	0
Charlottetown	2,097	1,239	160	698	33	33	0
Churchill	1,032	996	20	16	0	0	0
Cranbrook	1,332	652	275	405	189	189	0
Deer Lake	1,852	1,573	33	246	26	16	10
Fort McMurray	7,161	5,474	652	1,035	8	8	0
Fort Nelson	1,747	1,450	233	64	2	2	0
Fort St John	2,925	1,879	390	656	8	8	0
Fredericton International	5,467	2,619	616	2,232	302	228	74
Grande Prairie	3,956	2,176	534	1,246	194	194	0
High Level	1,229	1,049	77	103	23	23	0
Îles-de-la-Madeleine	437	369	68	0	8	8	0
Inuvik/Mike Zubko	1,827	1,656	73	98	24	20	4
Iqaluit	1,826	1,537	141	148	20	20	0
Kamloops	4,860	1,998	651	2,211	37	25	12
Kenora	1,303	855	250	198	74	74	0
Kingston	2,739	1,307	510	922	51	51	0
Kuujuuaq	1,490	1,242	76	172	6	6	0
Kuujuarapik	700	692	8	0	0	0	0
La Grande Rivière	824	758	50	16	0	0	0
La Ronge	2,361	1,500	487	374	192	192	0
Lethbridge	2,612	1,222	528	862	48	36	12
Lloydminster	1,547	519	326	702	20	20	0
Medicine Hat	1,243	731	170	342	35	31	4
Mont-Joli	433	356	55	22	4	4	0
Nanaimo	3,202	1,477	977	748	851	57	794
Norman Wells	3,267	1,772	41	1,454	4	4	0
North Bay	6,410	1,671	509	4,230	74	52	22
Ottawa/Gatineau	3,295	719	766	1,810	14	14	0
Peace River	1,477	1,105	72	300	2	2	0
Penticton	3,980	1,530	436	2,014	22	22	0
Port Hardy	1,028	785	157	86	21	19	2
Prince Albert	2,195	1,461	552	182	106	106	0
Prince Rupert	557	379	66	112	11	11	0
Rankin Inlet	1,375	1,357	18	0	4	4	0
Red Deer Regional	4,652	1,682	741	2,229	24	14	10
Rouyn-Noranda	1,267	916	207	144	6	6	0
Saint John	1,752	1,204	371	177	40	40	0
Sept-Îles	2,228	1,732	192	304	0	0	0
Sioux Lookout	2,790	2,432	134	224	4	4	0
Smithers	1,122	684	184	254	8	8	0
St Anthony	386	372	14	0	0	0	0
St Catharines	3,521	971	492	2,058	387	375	12
Terrace	1,141	952	87	102	4	4	0
Thompson	3,163	2,802	250	111	18	18	0
Timmins	2,595	1,998	259	338	2	2	0
Val-d'Or	2,292	949	277	1,066	16	16	0
Victoria Harbour	4,722	4,190	532	0	4	4	0
Wabush	770	734	36	0	0	0	0
Whitecourt	2,382	1,354	182	846	108	108	0
Williams Lake	1,204	719	247	238	34	34	0
Total of all flight service stations (53)	120,912	72,340	15,413	33,159	3,508	2,528	980

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	6,513	664	2,815	1,280	1,408	303	43	
Boundary Bay	8,426	7	1,577	5,078	1,690	44	30	
Calgary International	21,106	17,292	1,252	735	1,489	211	127	
Calgary/Springbank	6,306	23	1,268	3,213	1,752	27	23	
Chicoutimi/St-Honoré	3,367	31	753	2,363	212	0	8	
Edmonton City Centre	6,792	1,732	1,026	2,081	1,423	434	96	
Edmonton International	10,896	9,892	246	162	378	8	210	
Edmonton/Villeneuve	1,622	22	452	778	323	10	37	
Gander International	2,504	505	1,321	51	275	69	283	
Halifax/Robert L. Stanfield International	7,255	5,876	562	115	377	108	217	
Hamilton	3,802	1,985	913	181	483	232	8	
Kelowna	4,909	2,555	472	960	792	110	20	
Kitchener/Waterloo	4,597	478	2,575	476	1,017	12	39	
Langley	4,697	111	253	2,795	1,508	19	11	
London	6,966	1,350	1,487	2,966	1,089	70	4	
Moncton/Greater Moncton International	6,498	1,949	3,799	247	239	238	26	
Montréal/Mirabel International	1,824	819	455	82	376	16	76	
Montréal/Pierre Elliott Trudeau International	19,718	16,355	745	714	1,648	227	29	
Montréal/St-Hubert	8,512	3,303	733	2,564	1,531	172	209	
Oshawa	2,607	116	147	1,557	775	8	4	
Ottawa/Macdonald-Cartier International	12,151	7,735	460	2,491	637	639	189	
Pitt Meadows	4,257	37	1,084	1,754	1,324	2	56	
Prince George	2,961	1,394	865	48	489	100	65	
Québec/Jean Lesage International	9,020	4,019	924	2,007	1,215	582	273	
Regina International	3,840	1,938	765	79	500	261	297	
Saskatoon/John G. Diefenbaker International	6,005	2,954	1,303	562	650	398	138	
Sault Ste. Marie	2,883	925	153	1,559	144	84	18	
St. John's International	3,184	2,112	614	63	161	45	189	
St-Jean	1,787	106	167	255	698	41	520	
Sudbury	2,876	1,481	679	89	328	255	44	
Thunder Bay	5,522	3,300	789	843	300	185	105	
Toronto/Buttonville Municipal	8,651	405	789	5,052	2,319	80	6	
Toronto/City Centre	5,160	1,483	1,107	1,731	785	26	28	
Toronto/Lester B. Pearson International	36,884	34,716	468	180	1,465	35	20	
Vancouver Harbour	6,209	5,317	415	424	47	4	2	
Vancouver International	28,587	25,036	1,923	389	970	246	23	
Victoria International	10,052	3,615	3,364	1,073	1,843	69	88	
Whitehorse International	1,974	786	613	34	494	29	18	
Windsor	2,012	571	962	76	364	37	2	
Winnipeg/James Armstrong Richardson International	11,754	9,303	1,028	81	421	402	519	
Winnipeg/St. Andrews	3,770	475	1,986	864	418	0	27	
Yellowknife	5,139	3,898	819	164	110	70	78	
Total of NAV CANADA towers (42)	313,595	176,671	44,128	48,216	34,467	5,908	4,205	

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	1,625	150	432	104	539	18	382
Campbell River	2,059	717	251	479	574	12	26
Castlegar	507	297	61	53	82	6	8
Charlottetown	1,432	688	120	431	124	36	33
Churchill	1,016	935	59	2	11	9	0
Cranbrook	1,116	561	60	31	268	7	189
Deer Lake	1,622	1,327	238	8	14	19	16
Fort McMurray	6,134	3,299	1,708	467	611	41	8
Fort Nelson	1,685	321	567	562	233	0	2
Fort St John	2,277	789	958	132	370	20	8
Fredericton International	3,463	832	1,736	51	397	219	228
Grande Prairie	2,904	1,054	994	128	518	16	194
High Level	1,149	168	879	2	65	12	23
Îles-de-la-Madeleine	445	335	24	10	18	50	8
Inuvik/Mike Zubko	1,749	556	1,099	1	31	42	20
Iqaluit	1,698	1,273	212	52	78	63	20
Kamloops	2,674	1,059	554	385	570	81	25
Kenora	1,179	407	438	10	196	54	74
Kingston	1,868	542	350	415	416	94	51
Kuujuuaq	1,324	940	300	2	46	30	6
Kuujuuarapik	700	668	20	4	2	6	0
La Grande Rivière	808	652	95	11	32	18	0
La Ronge	2,179	1,386	93	21	80	407	192
Lethbridge	1,786	436	40	746	507	21	36
Lloydminster	865	124	344	51	292	34	20
Medicine Hat	932	607	82	42	157	13	31
Mont-Joli	415	300	24	32	41	14	4
Nanaimo	2,511	629	653	195	922	55	57
Norman Wells	1,817	893	879	0	29	12	4
North Bay	2,232	545	769	357	420	89	52
Ottawa/Gatineau	1,499	174	218	327	647	119	14
Peace River	1,179	464	584	57	56	16	2
Penticton	1,988	547	862	121	416	20	22
Port Hardy	961	649	63	73	89	68	19
Prince Albert	2,119	1,257	155	49	200	352	106
Prince Rupert	456	290	89	0	47	19	11
Rankin Inlet	1,379	1,236	118	3	12	6	4
Red Deer Regional	2,437	253	1,204	225	719	22	14
Rouyn-Noranda	1,129	686	144	86	167	40	6
Saint John	1,615	841	242	121	363	8	40
Sept-Îles	1,924	1,246	426	60	100	92	0
Sioux Lookout	2,570	2,031	395	6	116	18	4
Smithers	876	434	203	47	169	15	8
St Anthony	386	302	6	64	8	6	0
St Catharines	1,838	17	809	145	482	10	375
Terrace	1,043	556	380	16	59	28	4
Thompson	3,070	2,340	453	9	27	223	18
Timmins	2,259	1,731	228	39	179	80	2
Val-d'Or	1,242	674	161	114	234	43	16
Victoria Harbour	4,726	3,929	94	167	434	98	4
Wabush	770	655	77	2	24	12	0
Whitecourt	1,644	54	1,009	291	168	14	108
Williams Lake	1,000	422	242	55	233	14	34
Total of all flight service stations (53)	90,281	43,278	22,201	6,861	12,592	2,821	2,528

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	6,513	1,828	28.0	4,685	71.9	1,377
Boundary Bay	8,426	391	4.6	8,035	95.3	530
Calgary International	21,106	19,478	92.2	1,628	7.7	650
Calgary/Springbank	6,306	316	5.0	5,990	94.9	3,062
Chicoutimi/St-Honoré	3,367	262	7.7	3,105	92.2	167
Edmonton City Centre	6,792	3,169	46.6	3,623	53.3	1,768
Edmonton International	10,896	10,355	95.0	541	4.9	934
Edmonton/Villeneuve	1,622	33	2.0	1,589	97.9	229
Gander International	2,504	1,227	49.0	1,277	50.9	239
Halifax/Robert L Stanfield International	7,255	6,529	89.9	726	10.0	381
Hamilton	3,802	2,512	66.0	1,290	33.9	705
Kelowna	4,909	2,850	58.0	2,059	41.9	907
Kitchener/Waterloo	4,597	1,050	22.8	3,547	77.1	581
Langley	4,697	73	1.5	4,624	98.4	1,357
London	6,966	1,699	24.3	5,267	75.6	480
Moncton/Greater Moncton International	6,498	2,544	39.1	3,954	60.8	299
Montréal/Mirabel International	1,824	970	53.1	854	46.8	1,433
Montréal/Pierre Elliott Trudeau International	19,718	18,574	94.1	1,144	5.8	1,898
Montréal/St-Hubert	8,512	1,496	17.5	7,016	82.4	1,666
Oshawa	2,607	127	4.8	2,480	95.1	583
Ottawa/Macdonald-Cartier International	12,151	8,658	71.2	3,493	28.7	1,231
Pitt Meadows	4,257	35	0.8	4,222	99.1	3,472
Prince George	2,961	1,543	52.1	1,418	47.8	687
Québec/Jean Lesage International	9,020	5,063	56.1	3,957	43.8	1,827
Regina International	3,840	2,449	63.7	1,391	36.2	112
Saskatoon/John G Diefenbaker International	6,005	3,517	58.5	2,488	41.4	181
Sault Ste. Marie	2,883	1,211	42.0	1,672	57.9	133
St. John's International	3,184	2,974	93.4	210	6.5	91
St-Jean	1,787	261	14.6	1,526	85.3	213
Sudbury	2,876	1,872	65.0	1,004	34.9	335
Thunder Bay	5,522	3,695	66.9	1,827	33.0	222
Toronto/Buttonville Municipal	8,651	866	10.0	7,785	89.9	631
Toronto/City Centre	5,160	1,861	36.0	3,299	63.9	1,698
Toronto/Lester B Pearson International	36,884	36,735	99.5	149	0.4	155
Vancouver Harbour	6,209	49	0.7	6,160	99.2	2,170
Vancouver International	28,587	21,627	75.6	6,960	24.3	16,681
Victoria International	10,052	3,560	35.4	6,492	64.5	12,738
Whitehorse International	1,974	467	23.6	1,507	76.3	480
Windsor	2,012	729	36.2	1,283	63.7	197
Winnipeg/James Armstrong Richardson International	11,754	10,084	85.7	1,670	14.2	719
Winnipeg/St. Andrews	3,770	64	1.6	3,706	98.3	121
Yellowknife	5,139	2,248	43.7	2,891	56.2	350
Total of NAV CANADA towers (42)	313,595	185,051	59.0	128,544	41.0	63,690

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	1,625	189	11.6	1,436	88.3	37
Campbell River	2,059	500	24.2	1,559	75.7	449
Castlegar	507	303	59.7	204	40.2	88
Charlottetown	1,432	803	56.0	629	43.9	25
Churchill	1,016	903	88.8	113	11.1	19
Cranbrook	1,116	619	55.4	497	44.5	144
Deer Lake	1,622	1,478	91.1	144	8.8	14
Fort McMurray	6,134	2,264	36.9	3,870	63.0	68
Fort Nelson	1,685	337	20.0	1,348	80.0	156
Fort St John	2,277	769	33.7	1,508	66.2	198
Fredericton International	3,463	990	28.5	2,473	71.4	234
Grande Prairie	2,904	1,351	46.5	1,553	53.4	413
High Level	1,149	244	21.2	905	78.7	382
Îles-de-la-Madeleine	445	401	90.1	44	9.8	4
Inuvik/Mike Zubko	1,749	410	23.4	1,339	76.5	12
Iqaluit	1,698	1,391	81.9	307	18.0	0
Kamloops	2,674	1,271	47.5	1,403	52.4	369
Kenora	1,179	452	38.3	727	61.6	225
Kingston	1,868	732	39.1	1,136	60.8	104
Kuujuaq	1,324	410	30.9	914	69.0	0
Kuujuarapik	700	236	33.7	464	66.2	1
La Grande Rivière	808	683	84.5	125	15.4	586
La Ronge	2,179	831	38.1	1,348	61.8	984
Lethbridge	1,786	665	37.2	1,121	62.7	62
Lloydminster	865	240	27.7	625	72.2	23
Medicine Hat	932	403	43.2	529	56.7	171
Mont-Joli	415	318	76.6	97	23.3	29
Nanaimo	2,511	701	27.9	1,810	72.0	1,074
Norman Wells	1,817	176	9.6	1,641	90.3	568
North Bay	2,232	774	34.6	1,458	65.3	470
Ottawa/Gatineau	1,499	245	16.3	1,254	83.6	110
Peace River	1,179	364	30.8	815	69.1	228
Penticton	1,988	546	27.4	1,442	72.5	166
Port Hardy	961	292	30.3	669	69.6	262
Prince Albert	2,119	1,367	64.5	752	35.4	149
Prince Rupert	456	308	67.5	148	32.4	20
Rankin Inlet	1,379	1,014	73.5	365	26.4	13
Red Deer Regional	2,437	400	16.4	2,037	83.5	430
Rouyn-Noranda	1,129	865	76.6	264	23.3	84
Saint John	1,615	1,109	68.6	506	31.3	45
Sept-Îles	1,924	1,440	74.8	484	25.1	393
Sioux Lookout	2,570	1,859	72.3	711	27.6	831
Smithers	876	453	51.7	423	48.2	308
St Anthony	386	287	74.3	99	25.6	1
St Catharines	1,838	105	5.7	1,733	94.2	309
Terrace	1,043	563	53.9	480	46.0	223
Thompson	3,070	1,554	50.6	1,516	49.3	93
Timmins	2,259	1,750	77.4	509	22.5	167
Val-d'Or	1,242	703	56.6	539	43.3	702
Victoria Harbour	4,726	44	0.9	4,682	99.0	564
Wabush	770	658	85.4	112	14.5	94
Whitecourt	1,644	137	8.3	1,507	91.6	154
Williams Lake	1,000	474	47.4	526	52.6	343
Total of all flight service stations (53)	90,281	37,381	41.4	52,900	58.6	12,598

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	6,513	478	388	4,389	1,256	2
Boundary Bay	8,426	0	133	7,827	466	0
Calgary International	21,106	14,257	5,136	1,146	567	0
Calgary/Springbank	6,306	46	202	4,889	1,168	1
Chicoutimi/St-Honoré	3,367	9	92	2,846	415	5
Edmonton City Centre	6,792	575	2,286	2,856	1,074	1
Edmonton International	10,896	7,364	2,901	532	99	0
Edmonton/Villeneuve	1,622	11	12	1,054	524	21
Gander International	2,504	621	502	1,218	163	0
Halifax/Robert L. Stanfield International	7,255	4,359	1,902	523	471	0
Hamilton	3,802	1,620	789	1,260	133	0
Kelowna	4,909	1,463	1,441	1,538	467	0
Kitchener/Waterloo	4,597	257	491	3,554	295	0
Langley	4,697	0	100	3,805	787	5
London	6,966	403	1,370	4,932	260	1
Moncton/Greater Moncton International	6,498	1,275	950	4,199	73	1
Montréal/Mirabel International	1,824	735	343	498	248	0
Montréal/Pierre Elliott Trudeau International	19,718	12,634	5,829	865	390	0
Montréal/St-Hubert	8,512	265	777	6,699	770	1
Oshawa	2,607	10	54	2,402	141	0
Ottawa/Macdonald-Cartier International	12,151	6,225	2,467	3,050	408	1
Pitt Meadows	4,257	1	38	3,744	451	23
Prince George	2,961	569	1,103	487	780	22
Québec/Jean Lesage International	9,020	1,426	3,394	3,089	1,111	0
Regina International	3,840	1,442	815	1,489	90	4
Saskatoon/John G. Diefenbaker International	6,005	1,686	1,742	2,532	45	0
Sault Ste. Marie	2,883	46	1,082	1,700	55	0
St. John's International	3,184	1,319	1,567	90	208	0
St-Jean	1,787	9	67	1,294	48	369
Sudbury	2,876	49	1,861	523	443	0
Thunder Bay	5,522	874	3,109	1,206	333	0
Toronto/Buttonville Municipal	8,651	119	418	7,365	749	0
Toronto/City Centre	5,160	0	1,852	2,827	481	0
Toronto/Lester B. Pearson International	36,884	30,644	6,119	103	18	0
Vancouver Harbour	6,209	1	3,338	1,941	929	0
Vancouver International	28,587	13,006	10,481	3,874	1,226	0
Victoria International	10,052	1,194	2,803	5,685	370	0
Whitehorse International	1,974	278	454	848	394	0
Windsor	2,012	97	559	1,323	33	0
Winnipeg/James Armstrong Richardson International	11,754	5,597	4,634	1,354	169	0
Winnipeg/St. Andrews	3,770	19	426	3,201	124	0
Yellowknife	5,139	855	2,991	572	721	0
Total of NAV CANADA towers (42)	313,595	111,838	77,018	105,329	18,953	457

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	1,625	28	205	1,041	103	248
Campbell River	2,059	39	774	922	324	0
Castlegar	507	18	301	93	95	0
Charlottetown	1,432	333	331	739	28	1
Churchill	1,016	8	971	18	19	0
Cranbrook	1,116	79	535	378	110	14
Deer Lake	1,622	278	1,199	75	70	0
Fort McMurray	6,134	1,279	1,657	1,588	1,610	0
Fort Nelson	1,685	32	315	402	936	0
Fort St John	2,277	272	611	393	1,001	0
Fredericton International	3,463	299	713	2,290	161	0
Grande Prairie	2,904	235	1,001	771	709	188
High Level	1,149	6	390	321	432	0
Îles-de-la-Madeleine	445	22	338	85	0	0
Inuvik/Mike Zubko	1,749	131	936	316	366	0
Iqaluit	1,698	443	1,217	8	30	0
Kamloops	2,674	30	1,287	1,026	331	0
Kenora	1,179	23	524	336	296	0
Kingston	1,868	23	684	1,001	160	0
Kuujuaq	1,324	154	828	143	199	0
Kuujuarapik	700	0	680	2	18	0
La Grande Rivière	808	12	759	27	10	0
La Ronge	2,179	6	1,491	612	70	0
Lethbridge	1,786	100	523	1,135	28	0
Lloydminster	865	16	203	557	89	0
Medicine Hat	932	30	452	377	73	0
Mont-Joli	415	14	284	98	19	0
Nanaimo	2,511	19	628	1,753	92	19
Norman Wells	1,817	150	434	540	693	0
North Bay	2,232	39	818	604	747	24
Ottawa/Gatineau	1,499	12	216	1,067	203	1
Peace River	1,179	4	375	220	578	2
Penticton	1,988	25	596	814	553	0
Port Hardy	961	11	557	238	155	0
Prince Albert	2,119	20	1,429	528	142	0
Prince Rupert	456	28	292	38	98	0
Rankin Inlet	1,379	163	1,095	0	121	0
Red Deer Regional	2,437	52	442	1,612	327	4
Rouyn-Noranda	1,129	97	821	190	21	0
Saint John	1,615	424	590	540	61	0
Sept-Îles	1,924	39	1,265	370	250	0
Sioux Lookout	2,570	9	2,035	485	41	0
Smithers	876	14	506	132	224	0
St Anthony	386	0	368	12	6	0
St Catharines	1,838	29	68	1,360	381	0
Terrace	1,043	29	576	39	399	0
Thompson	3,070	129	2,232	419	290	0
Timmins	2,259	6	1,866	266	121	0
Val-d'Or	1,242	131	610	314	187	0
Victoria Harbour	4,726	0	3,292	646	788	0
Wabush	770	16	658	40	56	0
Whitecourt	1,644	4	379	297	964	0
Williams Lake	1,000	35	486	339	140	0
Total of all flight service stations (53)	90,281	5,395	41,843	27,617	14,925	501

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

	Gross take-off weight in kilograms									
	2 000	2 001	4 001	5 671	9 001	18 001	35 001	70 001	90 001	136 001
	and under	to 4 000	to 5 670	to 9 000	to 18 000	to 35 000	to 70 000	to 90 000	to 136 000	and over
	number									
Abbotsford	4,662	729	304	151	130	60	461	14	0	2
Boundary Bay	7,846	356	216	0	5	2	0	1	0	0
Calgary International	1,123	612	1,800	2,205	1,151	4,209	7,716	1,031	509	750
Calgary/Springbank	5,562	430	237	66	3	8	0	0	0	0
Chicoutimi/St-Honoré	2,766	465	127	0	0	9	0	0	0	0
Edmonton City Centre	3,072	843	1,781	813	224	46	6	7	0	0
Edmonton International	381	251	516	890	469	2,611	4,914	527	214	123
Edmonton/Villeneuve	1,467	91	60	0	4	0	0	0	0	0
Gander International	1,115	37	148	322	313	320	36	115	27	71
Halifax/Robert L. Stanfield International	279	352	509	908	942	1,277	2,054	428	222	284
Hamilton	1,144	406	294	307	248	202	520	15	620	46
Kelowna	1,788	160	313	767	192	782	887	0	20	0
Kitchener/Waterloo	3,598	249	328	62	255	39	66	0	0	0
Langley	4,301	248	135	0	10	3	0	0	0	0
London	5,024	294	346	62	867	190	183	0	0	0
Moncton/Greater Moncton International	4,083	242	460	334	170	552	378	4	275	0
Montréal/Mirabel International	615	156	26	146	48	275	95	3	291	169
Montréal/Pierre Elliott Trudeau International	925	287	864	1,052	3,315	5,851	4,346	1,322	75	1,681
Montréal/St-Hubert	6,666	606	880	165	152	16	10	11	5	1
Oshawa	2,368	148	64	10	15	1	1	0	0	0
Ottawa/Macdonald-Cartier International	3,042	229	1,165	295	785	3,071	2,367	840	223	134
Pitt Meadows	4,144	63	45	0	2	2	1	0	0	0
Prince George	929	273	346	652	26	543	192	0	0	0
Québec/Jean Lesage International	3,243	798	983	290	1,428	1,825	366	36	7	44
Regina International	1,181	413	450	415	49	501	742	4	85	0
Saskatoon/John G. Diefenbaker International	2,071	522	714	615	227	825	984	5	42	0
Sault Ste. Marie	1,703	142	580	88	179	189	0	2	0	0
St. John's International	55	40	398	547	760	128	863	284	89	20
St-Jean	1,582	115	75	2	2	8	0	2	1	0
Sudbury	484	457	1,452	120	94	265	4	0	0	0
Thunder Bay	1,161	348	2,610	297	169	651	272	14	0	0
Toronto/Buttonville Municipal	7,547	606	340	103	39	15	1	0	0	0
Toronto/City Centre	2,828	282	697	34	63	1,252	0	4	0	0
Toronto/Lester B. Pearson International	56	342	371	2,577	3,668	8,157	13,096	3,898	577	4,142
Vancouver Harbour	181	4,354	1,665	6	2	1	0	0	0	0
Vancouver International	1,274	4,690	1,100	3,071	2,403	5,131	6,431	1,223	692	2,572
Victoria International	4,888	1,340	322	576	1,063	1,179	581	61	42	0
Whitehorse International	1,065	239	165	56	28	169	240	0	0	12
Windsor	1,248	160	45	114	316	114	13	0	2	0
Winnipeg/James Armstrong Richardson International	843	683	3,168	627	961	1,486	2,832	395	729	30
Winnipeg/St. Andrews	2,857	803	104	0	4	0	0	2	0	0
Yellowknife	859	642	1,103	371	266	1,080	632	185	1	0
Total of NAV CANADA towers (42)	102,026	24,503	27,306	19,116	21,047	43,045	51,290	10,433	4,748	10,081

Table 6-2
Itinerant movements by aircraft weight group — NAV CANADA flight service stations

	Gross 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	1,294	70	209	14	16	4	0	18	0	0
Campbell River	1,153	93	50	472	256	29	6	0	0	0
Castlegar	169	17	16	70	12	223	0	0	0	0
Charlottetown	515	293	30	30	247	250	65	2	0	0
Churchill	15	53	231	108	145	441	23	0	0	0
Cranbrook	361	119	104	233	164	132	3	0	0	0
Deer Lake	112	18	148	179	873	132	148	10	2	0
Fort McMurray	2,509	935	704	703	261	677	345	0	0	0
Fort Nelson	1,167	100	170	119	129	0	0	0	0	0
Fort St John	1,294	76	316	226	111	238	16	0	0	0
Fredericton International	2,124	208	233	335	183	337	22	11	0	10
Grande Prairie	1,410	279	489	106	73	419	128	0	0	0
High Level	698	129	169	132	2	2	17	0	0	0
Îles-de-la-Madeleine	13	72	88	12	160	94	4	2	0	0
Inuvik/Mike Zubko	489	152	673	204	44	49	124	14	0	0
Iqaluit	8	14	455	166	240	465	217	25	108	0
Kamloops	973	312	263	350	313	462	1	0	0	0
Kenora	324	89	687	18	24	37	0	0	0	0
Kingston	1,039	86	163	511	48	5	0	16	0	0
Kuujuuaq	221	119	698	4	99	57	90	4	32	0
Kuujuuarapik	20	0	428	1	185	66	0	0	0	0
La Grande Rivière	20	23	115	26	146	467	4	7	0	0
La Ronge	178	392	652	139	285	533	0	0	0	0
Lethbridge	945	217	172	325	95	26	4	2	0	0
Lloydminster	552	88	119	98	4	2	0	2	0	0
Medicine Hat	374	61	218	259	10	2	0	8	0	0
Mont-Joli	74	39	149	12	132	9	0	0	0	0
Nanaimo	1,477	421	82	113	66	352	0	0	0	0
Norman Wells	844	343	428	10	2	42	144	4	0	0
North Bay	1,252	225	375	106	176	58	14	24	2	0
Ottawa/Gatineau	1,106	151	108	115	5	8	0	6	0	0
Peace River	569	134	422	42	10	2	0	0	0	0
Penticton	1,211	138	67	362	75	135	0	0	0	0
Port Hardy	166	192	334	94	165	6	4	0	0	0
Prince Albert	274	192	338	359	425	531	0	0	0	0
Prince Rupert	30	106	34	30	78	178	0	0	0	0
Rankin Inlet	115	113	372	115	258	239	167	0	0	0
Red Deer Regional	1,738	146	315	115	68	18	33	4	0	0
Rouyn-Noranda	188	25	415	20	265	161	53	2	0	0
Saint John	367	225	177	299	148	339	60	0	0	0
Sept-Îles	315	315	476	121	666	31	0	0	0	0
Sioux Lookout	263	268	1,491	536	2	10	0	0	0	0
Smithers	321	84	71	216	72	112	0	0	0	0
St Anthony	12	6	236	36	96	0	0	0	0	0
St Catharines	1,673	75	22	13	28	9	0	18	0	0
Terrace	390	28	61	244	148	172	0	0	0	0
Thompson	333	689	1,294	43	296	331	84	0	0	0
Timmins	290	213	1,004	90	430	232	0	0	0	0
Val-d'Or	429	45	256	30	311	76	4	0	91	0
Victoria Harbour	55	2,905	1,762	0	4	0	0	0	0	0
Wabush	48	47	156	24	489	6	0	0	0	0
Whitecourt	1,074	171	151	141	5	8	15	79	0	0
Williams Lake	399	75	46	405	15	22	38	0	0	0
Total of all flight service stations (53)	32,990	11,386	18,242	8,531	8,560	8,236	1,833	258	235	10

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	6,426	651	2,804	1,276	1,349	303	43
Transborder	85	12	11	4	58	0	0
Other international	2	1	0	0	1	0	0
Total	6,513	664	2,815	1,280	1,408	303	43
Boundary Bay							
Domestic	8,367	7	1,573	5,047	1,667	44	29
Transborder	59	0	4	31	23	0	1
Other international	0	0	0	0	0	0	0
Total	8,426	7	1,577	5,078	1,690	44	30
Calgary International							
Domestic	17,191	13,873	1,150	681	1,157	210	120
Transborder	3,390	2,908	102	54	323	1	2
Other international	525	511	0	0	9	0	5
Total	21,106	17,292	1,252	735	1,489	211	127
Calgary/Springbank							
Domestic	6,237	23	1,259	3,206	1,699	27	23
Transborder	69	0	9	7	53	0	0
Other international	0	0	0	0	0	0	0
Total	6,306	23	1,268	3,213	1,752	27	23
Chicoutimi/St-Honoré							
Domestic	3,365	31	753	2,363	210	0	8
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	3,367	31	753	2,363	212	0	8
Edmonton City Centre							
Domestic	6,748	1,731	1,016	2,081	1,393	432	95
Transborder	44	1	10	0	30	2	1
Other international	0	0	0	0	0	0	0
Total	6,792	1,732	1,026	2,081	1,423	434	96
Edmonton International							
Domestic	9,571	8,635	237	161	332	6	200
Transborder	1,223	1,162	9	1	42	2	7
Other international	102	95	0	0	4	0	3
Total	10,896	9,892	246	162	378	8	210
Edmonton/Villeneuve							
Domestic	1,621	22	452	778	322	10	37
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,622	22	452	778	323	10	37
Gander International							
Domestic	1,961	391	1,316	20	63	69	102
Transborder	245	40	2	11	104	0	88
Other international	298	74	3	20	108	0	93
Total	2,504	505	1,321	51	275	69	283
Halifax/Robert L Stanfield International							
Domestic	5,709	4,601	464	75	283	107	179
Transborder	997	880	16	7	72	0	22
Other international	549	395	82	33	22	1	16
Total	7,255	5,876	562	115	377	108	217
Hamilton							
Domestic	3,238	1,557	899	178	365	231	8
Transborder	535	403	14	2	115	1	0
Other international	29	25	0	1	3	0	0
Total	3,802	1,985	913	181	483	232	8

Table 7-1 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Kelowna							
Domestic	4,562	2,304	466	956	706	110	20
Transborder	346	250	6	4	86	0	0
Other international	1	1	0	0	0	0	0
Total	4,909	2,555	472	960	792	110	20
Kitchener/Waterloo							
Domestic	4,190	279	2,541	464	858	12	36
Transborder	403	198	34	12	157	0	2
Other international	4	1	0	0	2	0	1
Total	4,597	478	2,575	476	1,017	12	39
Langley							
Domestic	4,687	111	252	2,794	1,500	19	11
Transborder	7	0	0	1	6	0	0
Other international	3	0	1	0	2	0	0
Total	4,697	111	253	2,795	1,508	19	11
London							
Domestic	6,554	1,071	1,480	2,962	968	69	4
Transborder	410	278	7	3	121	1	0
Other international	2	1	0	1	0	0	0
Total	6,966	1,350	1,487	2,966	1,089	70	4
Moncton/Greater Moncton International							
Domestic	6,392	1,861	3,799	247	222	237	26
Transborder	89	71	0	0	17	1	0
Other international	17	17	0	0	0	0	0
Total	6,498	1,949	3,799	247	239	238	26
Montréal/Mirabel International							
Domestic	1,609	617	455	81	364	16	76
Transborder	208	197	0	0	11	0	0
Other international	7	5	0	1	1	0	0
Total	1,824	819	455	82	376	16	76
Montréal/Pierre Elliott Trudeau International							
Domestic	11,581	9,103	638	598	995	226	21
Transborder	6,266	5,547	84	95	539	0	1
Other international	1,871	1,705	23	21	114	1	7
Total	19,718	16,355	745	714	1,648	227	29
Montréal/St-Hubert							
Domestic	8,337	3,286	728	2,556	1,388	172	207
Transborder	171	17	1	8	143	0	2
Other international	4	0	4	0	0	0	0
Total	8,512	3,303	733	2,564	1,531	172	209
Oshawa							
Domestic	2,577	112	146	1,551	756	8	4
Transborder	30	4	1	6	19	0	0
Other international	0	0	0	0	0	0	0
Total	2,607	116	147	1,557	775	8	4
Ottawa/Macdonald-Cartier International							
Domestic	9,718	5,487	437	2,483	519	623	169
Transborder	2,309	2,157	16	8	107	12	9
Other international	124	91	7	0	11	4	11
Total	12,151	7,735	460	2,491	637	639	189
Pitt Meadows							
Domestic	4,236	37	1,084	1,752	1,305	2	56
Transborder	20	0	0	2	18	0	0
Other international	1	0	0	0	1	0	0
Total	4,257	37	1,084	1,754	1,324	2	56

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							
Prince George							
Domestic	2,883	1,333	865	48	473	100	64
Transborder	77	60	0	0	16	0	1
Other international	1	1	0	0	0	0	0
Total	2,961	1,394	865	48	489	100	65
Québec/Jean Lesage International							
Domestic	8,368	3,573	893	1,997	1,067	572	266
Transborder	507	389	10	6	98	1	3
Other international	145	57	21	4	50	9	4
Total	9,020	4,019	924	2,007	1,215	582	273
Regina International							
Domestic	3,655	1,814	765	77	447	260	292
Transborder	184	124	0	2	52	1	5
Other international	1	0	0	0	1	0	0
Total	3,840	1,938	765	79	500	261	297
Saskatoon/John G Diefenbaker International							
Domestic	5,834	2,825	1,302	560	614	398	135
Transborder	171	129	1	2	36	0	3
Other international	0	0	0	0	0	0	0
Total	6,005	2,954	1,303	562	650	398	138
Sault Ste. Marie							
Domestic	2,842	919	151	1,554	117	83	18
Transborder	39	4	2	5	27	1	0
Other international	2	2	0	0	0	0	0
Total	2,883	925	153	1,559	144	84	18
St. John's International							
Domestic	2,814	1,983	614	52	66	44	55
Transborder	178	63	0	1	44	1	69
Other international	192	66	0	10	51	0	65
Total	3,184	2,112	614	63	161	45	189
St-Jean							
Domestic	1,786	106	167	255	697	41	520
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,787	106	167	255	698	41	520
Sudbury							
Domestic	2,865	1,477	679	88	323	254	44
Transborder	10	4	0	1	4	1	0
Other international	1	0	0	0	1	0	0
Total	2,876	1,481	679	89	328	255	44
Thunder Bay							
Domestic	5,329	3,167	775	841	259	185	102
Transborder	192	133	14	2	40	0	3
Other international	1	0	0	0	1	0	0
Total	5,522	3,300	789	843	300	185	105
Toronto/Buttonville Municipal							
Domestic	8,295	346	758	4,999	2,106	80	6
Transborder	355	59	30	53	213	0	0
Other international	1	0	1	0	0	0	0
Total	8,651	405	789	5,052	2,319	80	6
Toronto/City Centre							
Domestic	4,642	1,142	1,074	1,728	644	26	28
Transborder	518	341	33	3	141	0	0
Other international	0	0	0	0	0	0	0
Total	5,160	1,483	1,107	1,731	785	26	28

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	16,862	15,820	356	102	532	33	19
Transborder	15,752	14,680	102	63	904	2	1
Other international	4,270	4,216	10	15	29	0	0
Total	36,884	34,716	468	180	1,465	35	20
Vancouver Harbour							
Domestic	6,069	5,199	402	424	38	4	2
Transborder	140	118	13	0	9	0	0
Other international	0	0	0	0	0	0	0
Total	6,209	5,317	415	424	47	4	2
Vancouver International							
Domestic	21,674	18,638	1,794	372	616	235	19
Transborder	5,152	4,754	29	11	346	8	4
Other international	1,761	1,644	100	6	8	3	0
Total	28,587	25,036	1,923	389	970	246	23
Victoria International							
Domestic	9,251	3,230	3,327	1,060	1,482	69	83
Transborder	757	383	25	3	342	0	4
Other international	44	2	12	10	19	0	1
Total	10,052	3,615	3,364	1,073	1,843	69	88
Whitehorse International							
Domestic	1,825	770	609	33	377	29	7
Transborder	143	10	4	1	117	0	11
Other international	6	6	0	0	0	0	0
Total	1,974	786	613	34	494	29	18
Windsor							
Domestic	1,906	539	951	70	310	36	0
Transborder	100	29	11	5	52	1	2
Other international	6	3	0	1	2	0	0
Total	2,012	571	962	76	364	37	2
Winnipeg/James Armstrong Richardson International							
Domestic	10,628	8,335	1,011	70	320	402	490
Transborder	1,113	957	16	11	101	0	28
Other international	13	11	1	0	0	0	1
Total	11,754	9,303	1,028	81	421	402	519
Winnipeg/St. Andrews							
Domestic	3,768	474	1,986	864	417	0	27
Transborder	2	1	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	3,770	475	1,986	864	418	0	27
Yellowknife							
Domestic	5,136	3,898	818	164	108	70	78
Transborder	2	0	1	0	1	0	0
Other international	1	0	0	0	1	0	0
Total	5,139	3,898	819	164	110	70	78
Total of NAV CANADA towers (42)							
Domestic	261,309	131,378	43,246	47,668	29,434	5,854	3,729
Transborder	42,302	36,363	617	425	4,592	36	269
Other international	9,984	8,930	265	123	441	18	207
Total	313,595	176,671	44,128	48,216	34,467	5,908	4,205

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	1,613	150	431	104	528	18	382
Transborder	12	0	1	0	11	0	0
Other international	0	0	0	0	0	0	0
Total	1,625	150	432	104	539	18	382
Campbell River							
Domestic	1,994	710	250	479	517	12	26
Transborder	65	7	1	0	57	0	0
Other international	0	0	0	0	0	0	0
Total	2,059	717	251	479	574	12	26
Castlegar							
Domestic	493	294	61	53	71	6	8
Transborder	14	3	0	0	11	0	0
Other international	0	0	0	0	0	0	0
Total	507	297	61	53	82	6	8
Charlottetown							
Domestic	1,423	685	120	431	118	36	33
Transborder	8	2	0	0	6	0	0
Other international	1	1	0	0	0	0	0
Total	1,432	688	120	431	124	36	33
Churchill							
Domestic	1,014	935	59	2	9	9	0
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,016	935	59	2	11	9	0
Cranbrook							
Domestic	1,068	560	57	29	241	7	174
Transborder	48	1	3	2	27	0	15
Other international	0	0	0	0	0	0	0
Total	1,116	561	60	31	268	7	189
Deer Lake							
Domestic	1,621	1,326	238	8	14	19	16
Transborder	0	0	0	0	0	0	0
Other international	1	1	0	0	0	0	0
Total	1,622	1,327	238	8	14	19	16
Fort McMurray							
Domestic	6,130	3,299	1,708	467	607	41	8
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	6,134	3,299	1,708	467	611	41	8
Fort Nelson							
Domestic	1,685	321	567	562	233	0	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,685	321	567	562	233	0	2
Fort St John							
Domestic	2,276	789	958	132	369	20	8
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	2,277	789	958	132	370	20	8
Fredericton International							
Domestic	3,423	828	1,736	50	372	217	220
Transborder	37	1	0	1	25	2	8
Other international	3	3	0	0	0	0	0
Total	3,463	832	1,736	51	397	219	228

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							
Grande Prairie							
Domestic	2,900	1,054	994	128	514	16	194
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	2,904	1,054	994	128	518	16	194
High Level							
Domestic	1,149	168	879	2	65	12	23
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,149	168	879	2	65	12	23
Îles-de-la-Madeleine							
Domestic	440	331	24	10	18	50	7
Transborder	1	0	0	0	0	0	1
Other international	4	4	0	0	0	0	0
Total	445	335	24	10	18	50	8
Inuvik/Mike Zubko							
Domestic	1,740	548	1,099	1	31	42	19
Transborder	9	8	0	0	0	0	1
Other international	0	0	0	0	0	0	0
Total	1,749	556	1,099	1	31	42	20
Iqaluit							
Domestic	1,586	1,233	204	41	29	62	17
Transborder	55	29	8	4	14	0	0
Other international	57	11	0	7	35	1	3
Total	1,698	1,273	212	52	78	63	20
Kamloops							
Domestic	2,653	1,057	554	384	553	81	24
Transborder	21	2	0	1	17	0	1
Other international	0	0	0	0	0	0	0
Total	2,674	1,059	554	385	570	81	25
Kenora							
Domestic	1,142	407	438	10	159	54	74
Transborder	37	0	0	0	37	0	0
Other international	0	0	0	0	0	0	0
Total	1,179	407	438	10	196	54	74
Kingston							
Domestic	1,825	534	350	414	382	94	51
Transborder	41	8	0	0	33	0	0
Other international	2	0	0	1	1	0	0
Total	1,868	542	350	415	416	94	51
Kuujuuaq							
Domestic	1,324	940	300	2	46	30	6
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,324	940	300	2	46	30	6
Kuujuarapik							
Domestic	700	668	20	4	2	6	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	700	668	20	4	2	6	0
La Grande Rivière							
Domestic	808	652	95	11	32	18	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	808	652	95	11	32	18	0
La Ronge							
Domestic	2,175	1,386	93	21	76	407	192
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	2,179	1,386	93	21	80	407	192

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							
Lethbridge							
Domestic	1,667	434	39	733	408	21	32
Transborder	119	2	1	13	99	0	4
Other international	0	0	0	0	0	0	0
Total	1,786	436	40	746	507	21	36
Lloydminster							
Domestic	864	124	344	51	291	34	20
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	865	124	344	51	292	34	20
Medicine Hat							
Domestic	928	607	82	42	154	12	31
Transborder	4	0	0	0	3	1	0
Other international	0	0	0	0	0	0	0
Total	932	607	82	42	157	13	31
Mont-Joli							
Domestic	414	300	24	32	40	14	4
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	415	300	24	32	41	14	4
Nanaimo							
Domestic	2,433	614	653	195	860	54	57
Transborder	78	15	0	0	62	1	0
Other international	0	0	0	0	0	0	0
Total	2,511	629	653	195	922	55	57
Norman Wells							
Domestic	1,817	893	879	0	29	12	4
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,817	893	879	0	29	12	4
North Bay							
Domestic	2,202	544	764	355	398	89	52
Transborder	30	1	5	2	22	0	0
Other international	0	0	0	0	0	0	0
Total	2,232	545	769	357	420	89	52
Ottawa/Gatineau							
Domestic	1,497	174	218	327	645	119	14
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,499	174	218	327	647	119	14
Peace River							
Domestic	1,179	464	584	57	56	16	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,179	464	584	57	56	16	2
Penticton							
Domestic	1,965	547	862	121	393	20	22
Transborder	23	0	0	0	23	0	0
Other international	0	0	0	0	0	0	0
Total	1,988	547	862	121	416	20	22
Port Hardy							
Domestic	940	649	63	73	71	68	16
Transborder	21	0	0	0	18	0	3
Other international	0	0	0	0	0	0	0
Total	961	649	63	73	89	68	19

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 Albert							
Domestic	2,118	1,257	155	49	199	352	106
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	2,119	1,257	155	49	200	352	106
Prince Rupert							
Domestic	443	290	88	0	36	18	11
Transborder	13	0	1	0	11	1	0
Other international	0	0	0	0	0	0	0
Total	456	290	89	0	47	19	11
Rankin Inlet							
Domestic	1,378	1,235	118	3	12	6	4
Transborder	0	0	0	0	0	0	0
Other international	1	1	0	0	0	0	0
Total	1,379	1,236	118	3	12	6	4
Red Deer Regional							
Domestic	2,435	253	1,204	225	717	22	14
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	2,437	253	1,204	225	719	22	14
Rouyn-Noranda							
Domestic	1,129	686	144	86	167	40	6
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,129	686	144	86	167	40	6
Saint John							
Domestic	1,500	836	242	117	257	8	40
Transborder	107	3	0	4	100	0	0
Other international	8	2	0	0	6	0	0
Total	1,615	841	242	121	363	8	40
Sept-Îles							
Domestic	1,918	1,246	426	60	94	92	0
Transborder	6	0	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	1,924	1,246	426	60	100	92	0
Sioux Lookout							
Domestic	2,539	2,031	394	6	86	18	4
Transborder	31	0	1	0	30	0	0
Other international	0	0	0	0	0	0	0
Total	2,570	2,031	395	6	116	18	4
Smithers							
Domestic	869	434	203	47	163	15	7
Transborder	7	0	0	0	6	0	1
Other international	0	0	0	0	0	0	0
Total	876	434	203	47	169	15	8
St Anthony							
Domestic	386	302	6	64	8	6	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	386	302	6	64	8	6	0
St Catharines							
Domestic	1,789	17	802	145	440	10	375
Transborder	48	0	7	0	41	0	0
Other international	1	0	0	0	1	0	0
Total	1,838	17	809	145	482	10	375

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							
Terrace							
Domestic	1,035	556	380	16	52	28	3
Transborder	8	0	0	0	7	0	1
Other international	0	0	0	0	0	0	0
Total	1,043	556	380	16	59	28	4
Thompson							
Domestic	3,069	2,340	453	9	26	223	18
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	3,070	2,340	453	9	27	223	18
Timmins							
Domestic	2,255	1,731	228	39	175	80	2
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	2,259	1,731	228	39	179	80	2
Val-d'Or							
Domestic	1,240	674	159	114	234	43	16
Transborder	2	0	2	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,242	674	161	114	234	43	16
Victoria Harbour							
Domestic	4,311	3,929	94	167	19	98	4
Transborder	415	0	0	0	415	0	0
Other international	0	0	0	0	0	0	0
Total	4,726	3,929	94	167	434	98	4
Wabush							
Domestic	769	655	77	2	23	12	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	770	655	77	2	24	12	0
Whitecourt							
Domestic	1,641	54	1,009	291	168	14	105
Transborder	3	0	0	0	0	0	3
Other international	0	0	0	0	0	0	0
Total	1,644	54	1,009	291	168	14	108
Williams Lake							
Domestic	1,000	422	242	55	233	14	34
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,000	422	242	55	233	14	34
Total of all flight service stations (53)							
Domestic	88,912	43,173	22,171	6,826	11,440	2,815	2,487
Transborder	1,291	82	30	27	1,109	5	38
Other international	78	23	0	8	43	1	3
Total	90,281	43,278	22,201	6,861	12,592	2,821	2,528

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	9	15,715	10	14	105	9	835
Boundary Bay	3	21,538	19	16	126	27	971
Calgary International	4	21,359	15	18	69	28	846
Calgary/Springbank	11	15,336	30	11	108	28	931
Chicoutimi/St-Honoré	23	8,235	20	11	92	1	534
Edmonton City Centre	24	8,169	29	16	74	29	465
Edmonton International	18	11,306	8	16	56	8	481
Edmonton/Villeneuve	28	7,256	24	10	72	3	532
Gander International	36	4,898	6	14	61	6	374
Halifax/Robert L Stanfield International	25	7,949	25	16	51	5	331
Hamilton	33	5,914	29	14	48	28	360
Kelowna	26	7,788	22	12	61	8	370
Kitchener/Waterloo	19	10,313	8	15	81	13	665
Langley	17	11,557	21	19	89	16	532
London	12	14,220	15	15	109	29	853
Moncton/Greater Moncton International	16	11,679	30	14	74	6	735
Montréal/Mirabel International	42	2,448	26	12	52	26	208
Montréal/Pierre Elliott Trudeau International	5	19,718	29	18	74	29	756
Montréal/St-Hubert	6	19,632	1	10	158	16	1,286
Oshawa	32	5,943	10	18	54	10	337
Ottawa/Macdonald-Cartier International	10	15,610	26	17	79	28	737
Pitt Meadows	15	12,013	27	17	117	17	732
Prince George	34	5,437	1	14	68	24	366
Québec/Jean Lesage International	13	12,821	18	9	72	9	630
Regina International	35	5,107	20	15	32	7	240
Saskatoon/John G Diefenbaker International	22	9,178	3	9	65	27	453
Sault Ste. Marie	31	6,139	13	12	72	15	482
St. John's International	40	3,400	6	14	31	6	188
St-Jean	41	2,667	25	16	49	25	296
Sudbury	39	3,424	15	14	44	15	243
Thunder Bay	27	7,644	15	13	93	15	410
Toronto/Buttonville Municipal	7	18,479	16	15	116	28	1,056
Toronto/City Centre	21	9,604	13	15	69	28	559
Toronto/Lester B Pearson International	1	36,884	2	17	101	2	1,319
Vancouver Harbour	30	6,217	9	17	32	23	263
Vancouver International	2	28,587	16	18	89	16	1,097
Victoria International	8	16,060	5	22	99	7	764
Whitehorse International	38	3,662	24	13	61	23	279
Windsor	37	4,226	15	19	56	23	265
Winnipeg/James Armstrong Richardson International	14	12,532	30	10	59	30	523
Winnipeg/St. Andrews	20	9,724	8	10	71	5	585
Yellowknife	29	6,867	20	11	51	23	322

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	26	2,005	3	11	35	10	184
Campbell River	14	2,963	8	9	46	8	211
Castlegar	49	611	15	12	24	15	85
Charlottetown	25	2,130	3	10	41	4	164
Churchill	45	1,032	15	18	18	15	50
Cranbrook	33	1,521	15	10	24	15	129
Deer Lake	27	1,878	31	11	28	5	116
Fort McMurray	1	7,169	19	15	44	29	370
Fort Nelson	31	1,749	28	10	16	28	102
Fort St John	15	2,933	14	10	42	17	150
Fredericton International	3	5,769	30	19	48	30	444
Grande Prairie	7	4,150	10	10	58	27	197
High Level	40	1,252	12	16	29	27	76
Îles-de-la-Madeleine	51	445	9	17	7	26	22
Inuvik/Mike Zubko	28	1,851	22	14	29	22	115
Iqaluit	29	1,846	12	13	16	12	86
Kamloops	4	4,897	18	9	93	18	498
Kenora	37	1,377	4	12	27	24	76
Kingston	17	2,790	31	14	45	1	164
Kuujuaq	34	1,496	21	11	17	11	104
Kuujuarapik	48	700	18	14	6	2	37
La Grande Rivière	46	824	21	10	13	2	44
La Ronge	20	2,553	21	12	24	29	165
Lethbridge	18	2,660	31	10	36	27	168
Lloydminster	32	1,567	1	16	32	1	120
Medicine Hat	38	1,278	31	9	20	31	106
Mont-Joli	52	437	24	18	9	24	26
Nanaimo	8	4,053	10	14	58	17	263
Norman Wells	12	3,271	29	16	36	31	150
North Bay	2	6,484	2	12	78	8	434
Ottawa/Gatineau	11	3,309	28	14	63	28	195
Peace River	35	1,479	14	12	32	5	125
Penticton	9	4,002	2	14	62	21	297
Port Hardy	44	1,049	30	16	22	30	84
Prince Albert	23	2,301	15	11	31	15	130
Prince Rupert	50	568	21	10	37	21	56
Rankin Inlet	36	1,379	5	13	11	21	74
Red Deer Regional	6	4,676	23	10	54	9	277
Rouyn-Noranda	39	1,273	30	17	19	30	84
Saint John	30	1,792	1	11	26	1	123
Sept-Îles	24	2,228	14	10	32	14	109
Sioux Lookout	16	2,794	9	16	24	14	133
Smithers	43	1,130	23	15	35	20	99
St Anthony	53	386	20	10	6	6	23
St Catharines	10	3,908	25	11	68	28	303
Terrace	42	1,145	4	16	26	1	65
Thompson	13	3,181	24	11	21	27	162
Timmins	19	2,597	15	15	48	15	248
Val-d'Or	22	2,308	8	16	78	8	203
Victoria Harbour	5	4,726	1	10	27	8	218
Wabush	47	770	28	11	9	22	39
Whitecourt	21	2,490	14	15	39	26	192
Williams Lake	41	1,238	7	16	23	7	94

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	16	6,513	15	15	38	9	325
Boundary Bay	12	8,426	24	12	54	15	440
Calgary International	3	21,106	15	18	69	28	838
Calgary/Springbank	18	6,306	10	9	51	16	380
Chicoutimi/St-Honoré	31	3,367	17	10	35	17	238
Edmonton City Centre	15	6,792	9	11	32	9	328
Edmonton International	7	10,896	13	17	34	8	437
Edmonton/Villeneuve	42	1,622	17	11	17	6	99
Gander International	37	2,504	23	12	20	5	153
Halifax/Robert L Stanfield International	13	7,255	24	15	33	5	281
Hamilton	29	3,802	23	13	22	23	203
Kelowna	24	4,909	4	10	26	2	210
Kitchener/Waterloo	26	4,597	9	12	30	13	263
Langley	25	4,697	28	15	38	9	247
London	14	6,966	29	15	44	29	367
Moncton/Greater Moncton International	17	6,498	30	18	33	30	400
Montréal/Mirabel International	40	1,824	5	22	18	13	103
Montréal/Pierre Elliott Trudeau International	4	19,718	29	18	74	29	756
Montréal/St-Hubert	11	8,512	9	15	51	30	529
Oshawa	36	2,607	24	12	22	24	165
Ottawa/Macdonald-Cartier International	5	12,151	1	17	43	29	534
Pitt Meadows	27	4,257	17	13	39	17	252
Prince George	33	2,961	1	16	21	1	151
Québec/Jean Lesage International	9	9,020	6	11	38	30	421
Regina International	28	3,840	28	16	21	7	176
Saskatoon/John G Diefenbaker International	20	6,005	26	14	26	27	271
Sault Ste. Marie	34	2,883	15	18	21	15	178
St. John's International	32	3,184	27	13	13	29	137
St-Jean	41	1,787	25	15	34	25	258
Sudbury	35	2,876	15	14	20	15	151
Thunder Bay	21	5,522	15	13	31	8	249
Toronto/Buttonville Municipal	10	8,651	16	11	50	28	496
Toronto/City Centre	22	5,160	5	13	31	29	256
Toronto/Lester B Pearson International	1	36,884	2	17	101	2	1,319
Vancouver Harbour	19	6,209	9	17	32	23	263
Vancouver International	2	28,587	16	18	89	16	1,097
Victoria International	8	10,052	31	11	44	23	429
Whitehorse International	39	1,974	24	13	21	24	102
Windsor	38	2,012	4	17	14	9	107
Winnipeg/James Armstrong Richardson International	6	11,754	29	17	40	27	491
Winnipeg/St. Andrews	30	3,770	7	16	32	27	197
Yellowknife	23	5,139	30	17	26	7	221

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	26	1,625	10	10	33	10	184
Campbell River	15	2,059	8	16	14	9	102
Castlegar	49	507	27	10	10	27	33
Charlottetown	30	1,432	4	11	11	30	90
Churchill	40	1,016	12	18	9	28	48
Cranbrook	38	1,116	21	18	21	21	71
Deer Lake	27	1,622	25	18	12	26	81
Fort McMurray	1	6,134	29	15	35	29	341
Fort Nelson	24	1,685	14	9	15	28	92
Fort St John	10	2,277	2	10	20	2	105
Fredericton International	3	3,463	13	15	22	30	224
Grande Prairie	5	2,904	17	10	20	28	119
High Level	36	1,149	27	10	12	15	62
Îles-de-la-Madeleine	51	445	9	17	7	26	22
Inuvik/Mike Zubko	22	1,749	22	14	15	23	100
Iqaluit	23	1,698	23	14	11	12	78
Kamloops	6	2,674	16	16	18	16	131
Kenora	35	1,179	16	16	11	24	76
Kingston	18	1,868	15	15	15	25	94
Kuujuaq	32	1,324	28	11	11	11	88
Kuujuarapik	48	700	18	14	6	2	37
La Grande Rivière	46	808	1	9	10	2	44
La Ronge	13	2,179	20	9	15	29	123
Lethbridge	21	1,786	27	10	23	27	124
Lloydminster	45	865	6	7	7	28	52
Medicine Hat	43	932	7	18	10	14	49
Mont-Joli	52	415	5	18	7	13	23
Nanaimo	8	2,511	15	16	19	16	125
Norman Wells	20	1,817	8	18	21	30	104
North Bay	12	2,232	29	14	18	16	116
Ottawa/Gatineau	29	1,499	10	14	14	10	97
Peace River	34	1,179	6	11	11	5	61
Penticton	16	1,988	5	16	18	16	102
Port Hardy	42	961	8	14	8	30	48
Prince Albert	14	2,119	2	15	19	12	109
Prince Rupert	50	456	28	16	7	22	29
Rankin Inlet	31	1,379	5	13	11	21	74
Red Deer Regional	9	2,437	4	14	28	30	135
Rouyn-Noranda	37	1,129	2	15	7	29	61
Saint John	28	1,615	26	10	12	12	89
Sept-Îles	17	1,924	30	10	13	30	93
Sioux Lookout	7	2,570	28	8	15	14	123
Smithers	44	876	26	9	9	28	48
St Anthony	53	386	20	10	6	6	23
St Catharines	19	1,838	20	10	24	25	121
Terrace	39	1,043	1	12	13	23	59
Thompson	4	3,070	27	12	15	27	152
Timmins	11	2,259	15	9	16	9	118
Val-d'Or	33	1,242	1	15	11	29	64
Victoria Harbour	2	4,726	1	10	27	8	218
Wabush	47	770	28	11	9	22	39
Whitecourt	25	1,644	12	14	19	13	92
Williams Lake	41	1,000	16	14	10	16	60

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	9,202	12	13	78	9	510
Boundary Bay	1	13,112	19	16	110	27	658
Calgary International	37	253	10	16	19	10	33
Calgary/Springbank	5	9,030	20	11	80	28	558
Chicoutimi/St-Honoré	14	4,868	9	9	80	23	358
Edmonton City Centre	29	1,377	29	16	52	29	176
Edmonton International	36	410	8	16	32	27	80
Edmonton/Villeneuve	12	5,634	24	10	64	3	450
Gander International	23	2,394	5	21	50	6	234
Halifax/Robert L Stanfield International	33	694	25	16	30	25	68
Hamilton	26	2,112	13	21	34	28	178
Kelowna	21	2,879	22	12	50	8	184
Kitchener/Waterloo	11	5,716	6	13	60	13	402
Langley	8	6,860	21	19	74	21	394
London	7	7,254	15	15	82	29	486
Moncton/Greater Moncton International	13	5,181	30	14	50	6	413
Montréal/Mirabel International	34	624	26	12	48	26	160
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	2	11,120	1	10	126	16	832
Oshawa	18	3,336	10	18	42	8	230
Ottawa/Macdonald-Cartier International	17	3,459	26	17	42	28	224
Pitt Meadows	6	7,756	27	17	102	17	480
Prince George	22	2,476	1	14	54	24	288
Québec/Jean Lesage International	16	3,801	18	9	57	13	234
Regina International	30	1,267	5	10	24	15	83
Saskatoon/John G Diefenbaker International	20	3,173	3	9	46	3	212
Sault Ste. Marie	19	3,256	13	12	56	15	304
St. John's International	38	216	6	14	22	6	52
St-Jean	31	880	9	17	30	1	94
Sudbury	35	548	6	10	26	15	92
Thunder Bay	25	2,122	15	13	62	6	180
Toronto/Buttonville Municipal	3	9,828	6	18	76	6	642
Toronto/City Centre	15	4,444	24	20	58	28	328
Toronto/Lester B Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	39	8	17	15	4	17	4
Vancouver International	0	0	0	0	0	0	0
Victoria International	9	6,008	5	22	75	7	386
Whitehorse International	28	1,688	8	14	46	8	204
Windsor	24	2,214	15	19	50	22	166
Winnipeg/James Armstrong Richardson International	32	778	30	10	40	2	54
Winnipeg/St. Andrews	10	5,954	8	10	56	5	402
Yellowknife	27	1,728	20	11	34	23	116

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	21	380	27	15	20	27	60
Campbell River	14	904	8	9	36	8	112
Castlegar	39	104	15	12	22	15	60
Charlottetown	18	698	3	10	36	4	92
Churchill	46	16	15	18	10	15	10
Cranbrook	20	405	15	14	20	15	72
Deer Lake	27	256	31	11	24	31	66
Fort McMurray	12	1,035	19	15	32	19	96
Fort Nelson	44	64	3	10	8	3	12
Fort St John	19	656	14	10	34	17	84
Fredericton International	2	2,306	23	15	40	30	220
Grande Prairie	10	1,246	10	10	48	3	106
High Level	40	103	12	16	24	11	32
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	41	102	22	14	14	30	20
Iqaluit	35	148	17	15	12	20	20
Kamloops	4	2,223	18	9	88	18	400
Kenora	31	198	4	12	24	19	26
Kingston	13	922	31	14	38	1	82
Kuujuaq	34	172	3	10	12	10	20
Kuujuarapik	0	0	0	0	0	0	0
La Grande Rivière	47	16	20	9	4	20	8
La Ronge	22	374	21	12	18	21	48
Lethbridge	15	874	20	18	28	31	70
Lloydminster	17	702	1	16	28	1	88
Medicine Hat	23	346	31	9	18	31	64
Mont-Joli	45	22	24	19	8	24	14
Nanaimo	8	1,542	10	14	52	10	190
Norman Wells	9	1,454	15	14	30	31	86
North Bay	1	4,252	2	12	66	8	334
Ottawa/Gatineau	7	1,810	28	14	52	28	136
Peace River	26	300	14	12	30	5	64
Penticton	6	2,014	2	14	52	21	224
Port Hardy	43	88	30	16	20	30	36
Prince Albert	32	182	15	11	28	15	46
Prince Rupert	37	112	21	10	32	21	32
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	3	2,239	5	16	40	9	156
Rouyn-Noranda	36	144	9	20	14	30	40
Saint John	33	177	1	11	18	3	56
Sept-Îles	25	304	14	10	26	31	52
Sioux Lookout	30	224	6	11	16	19	26
Smithers	28	254	23	15	30	20	66
St Anthony	0	0	0	0	0	0	0
St Catharines	5	2,070	29	10	58	28	216
Terrace	42	102	4	16	24	4	36
Thompson	38	111	24	11	14	24	22
Timmins	24	338	13	11	40	15	142
Val-d'Or	11	1,066	8	16	72	8	146
Victoria Harbour	0	0	0	0	0	0	0
Wabush	0	0	0	0	0	0	0
Whitecourt	16	846	28	13	34	26	122
Williams Lake	29	238	7	16	20	7	46

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	9,200	12	13	78	9	510
Boundary Bay	1	13,112	19	16	110	27	658
Calgary International	37	249	10	16	19	10	33
Calgary/Springbank	5	9,028	20	11	80	28	558
Chicoutimi/St-Honoré	14	4,852	9	9	80	23	358
Edmonton City Centre	29	1,369	29	16	52	29	176
Edmonton International	36	390	8	16	32	27	80
Edmonton/Villeneuve	12	5,634	24	10	64	3	450
Gander International	23	2,270	5	21	50	5	214
Halifax/Robert L Stanfield International	32	632	25	16	30	25	68
Hamilton	25	2,110	13	21	34	28	178
Kelowna	21	2,862	22	12	50	8	184
Kitchener/Waterloo	11	5,712	6	13	60	13	402
Langley	8	6,860	21	19	74	21	394
London	7	7,254	15	15	82	29	486
Moncton/Greater Moncton International	13	5,177	30	14	50	6	413
Montréal/Mirabel International	33	605	26	12	48	26	160
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	2	11,116	1	10	126	16	832
Oshawa	18	3,336	10	18	42	8	230
Ottawa/Macdonald-Cartier International	17	3,448	26	17	42	28	224
Pitt Meadows	6	7,756	27	17	102	17	480
Prince George	22	2,476	1	14	54	24	288
Québec/Jean Lesage International	16	3,797	18	9	54	13	234
Regina International	30	1,196	5	10	24	15	79
Saskatoon/John G Diefenbaker International	20	3,123	3	9	46	3	210
Sault Ste. Marie	19	3,240	13	12	56	15	304
St. John's International	38	216	6	14	22	6	52
St-Jean	31	880	9	17	30	1	94
Sudbury	34	548	6	10	26	15	92
Thunder Bay	26	2,080	15	13	62	6	180
Toronto/Buttonville Municipal	3	9,828	6	18	76	6	642
Toronto/City Centre	15	4,444	24	20	58	28	328
Toronto/Lester B Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	39	8	17	15	4	17	4
Vancouver International	0	0	0	0	0	0	0
Victoria International	10	5,742	5	22	75	7	360
Whitehorse International	27	1,684	8	14	46	8	204
Windsor	24	2,214	15	19	50	22	166
Winnipeg/James Armstrong Richardson International	35	492	1	21	16	19	36
Winnipeg/St. Andrews	9	5,954	8	10	56	5	402
Yellowknife	28	1,614	20	11	30	23	106

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	22	356	27	15	20	27	60
Campbell River	13	904	8	9	36	8	112
Castlegar	39	104	15	12	22	15	60
Charlottetown	18	698	3	10	36	4	92
Churchill	46	16	15	18	10	15	10
Cranbrook	20	405	15	14	20	15	72
Deer Lake	28	246	31	11	24	31	66
Fort McMurray	11	1,035	19	15	32	19	96
Fort Nelson	44	64	3	10	8	3	12
Fort St John	19	656	14	10	34	17	84
Fredericton International	2	2,232	3	13	28	30	220
Grande Prairie	9	1,246	10	10	48	3	106
High Level	40	103	12	16	24	11	32
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	42	98	22	14	14	30	20
Iqaluit	35	148	17	15	12	20	20
Kamloops	4	2,211	18	9	88	18	400
Kenora	31	198	4	12	24	19	26
Kingston	12	922	31	14	38	1	82
Kuujuaq	34	172	3	10	12	10	20
Kuujuarapik	0	0	0	0	0	0	0
La Grande Rivière	47	16	20	9	4	20	8
La Ronge	21	374	21	12	18	21	48
Lethbridge	14	862	20	18	28	31	70
Lloydminster	17	702	1	16	28	1	88
Medicine Hat	23	342	31	9	18	31	64
Mont-Joli	45	22	24	19	8	24	14
Nanaimo	16	748	28	14	40	28	130
Norman Wells	8	1,454	15	14	30	31	86
North Bay	1	4,230	2	12	66	8	334
Ottawa/Gatineau	7	1,810	28	14	52	28	136
Peace River	26	300	14	12	30	5	64
Penticton	6	2,014	2	14	52	21	224
Port Hardy	43	86	30	16	20	30	36
Prince Albert	32	182	15	11	28	15	46
Prince Rupert	37	112	21	10	32	21	32
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	3	2,229	5	16	40	9	156
Rouyn-Noranda	36	144	9	20	14	30	40
Saint John	33	177	1	11	18	3	56
Sept-Îles	25	304	14	10	26	31	52
Sioux Lookout	30	224	6	11	16	19	26
Smithers	27	254	23	15	30	20	66
St Anthony	0	0	0	0	0	0	0
St Catharines	5	2,058	29	10	58	28	216
Terrace	41	102	4	16	24	4	36
Thompson	38	111	24	11	14	24	22
Timmins	24	338	13	11	40	15	142
Val-d'Or	10	1,066	8	16	72	8	146
Victoria Harbour	0	0	0	0	0	0	0
Wabush	0	0	0	0	0	0	0
Whitecourt	15	846	28	13	34	26	122
Williams Lake	29	238	7	16	20	7	46

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	22	2	25	16	2	25	2
Boundary Bay	0	0	0	0	0	0	0
Calgary International	16	4	7	18	4	7	4
Calgary/Springbank	24	2	13	14	2	13	2
Chicoutimi/St-Honoré	13	16	18	11	12	18	12
Edmonton City Centre	15	8	9	10	4	9	4
Edmonton International	9	20	10	14	8	10	8
Edmonton/Villeneuve	0	0	0	0	0	0	0
Gander International	3	124	6	21	10	22	26
Halifax/Robert L Stanfield International	6	62	1	13	6	5	10
Hamilton	23	2	9	18	2	9	2
Kelowna	11	17	3	17	14	3	14
Kitchener/Waterloo	21	4	25	17	4	25	4
Langley	0	0	0	0	0	0	0
London	0	0	0	0	0	0	0
Moncton/Greater Moncton International	17	4	9	11	2	9	2
Montréal/Mirabel International	10	19	9	17	8	9	8
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	20	4	23	10	4	23	4
Oshawa	0	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	14	11	17	12	4	17	4
Pitt Meadows	0	0	0	0	0	0	0
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	18	4	18	9	3	18	3
Regina International	5	71	18	10	8	22	9
Saskatoon/John G Diefenbaker International	7	50	28	17	10	28	20
Sault Ste. Marie	12	16	22	11	10	22	14
St. John's International	0	0	0	0	0	0	0
St-Jean	0	0	0	0	0	0	0
Sudbury	0	0	0	0	0	0	0
Thunder Bay	8	42	29	12	12	29	18
Toronto/Buttonville Municipal	0	0	0	0	0	0	0
Toronto/City Centre	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	2	266	21	22	28	21	54
Whitehorse International	19	4	16	11	4	16	4
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	1	286	30	10	40	30	44
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	4	114	2	10	16	2	34

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	3	24	5	13	14	5	14
Campbell River	0	0	0	0	0	0	0
Castlegar	0	0	0	0	0	0	0
Charlottetown	0	0	0	0	0	0	0
Churchill	0	0	0	0	0	0	0
Cranbrook	0	0	0	0	0	0	0
Deer Lake	8	10	4	12	10	4	10
Fort McMurray	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
Fredericton International	2	74	23	15	40	23	70
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	10	4	14	17	4	14	4
Iqaluit	0	0	0	0	0	0	0
Kamloops	6	12	21	15	12	21	12
Kenora	0	0	0	0	0	0	0
Kingston	0	0	0	0	0	0	0
Kuujuaq	0	0	0	0	0	0	0
Kuujuarapik	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	5	12	13	9	6	13	6
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	11	4	27	16	4	27	4
Mont-Joli	0	0	0	0	0	0	0
Nanaimo	1	794	17	12	36	4	140
Norman Wells	0	0	0	0	0	0	0
North Bay	4	22	9	11	12	9	14
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	12	2	18	15	2	18	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	9	10	10	11	10	10	10
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 Anthony	0	0	0	0	0	0	0
St Catharines	7	12	20	10	12	20	12
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. Preliminary monthly data by class of operation are released in **Preliminary aircraft movement statistics**, catalogue no. 51F0001P (TP-1496 (NAV CANADA towered airports only)). Data which follow in **Aircraft movement statistics - Monthly** report, catalogue nos. 51-007-X and 51-008-X (TP-141) may contain revisions to the originally released figures. Annual tables, which may reflect further revisions, are released in the publication, **Aircraft movement statistics - 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 TP-577, they are contained in the five year historical summary of subsequent editions of TP-577. 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, gross 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 ASC 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

Porter Airlines Inc. began to offer 7 daily flights from Toronto City Centre to Newark, NJ on March 31, 2008.

Lufthansa's new daily non-stop service from Frankfurt to Calgary began on April 15, 2008.

To ensure compliance with a Federal Aviation Administration safety directive on wiring inspections for MD-80 aircraft, numerous American Airline flights had to be cancelled.

Zoom Airlines began new flights to Rome from Toronto and Montreal in May 2008.

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-III air carriers: Canadian air carriers that, in each of the two calendar years immediately preceding the report year, realized annual gross revenues of \$1,000,000 or more for the air services for which the air carrier held a licence. Also includes foreign air carriers.

Level IV-VI air carriers: Canadian air carriers that, in each of the two calendar years immediately preceding the report year, realized annual gross revenues of less than \$1,000,000 for the air services for which the air carrier held a licence. Since 2000, levels IV and VI are no longer applicable.

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 "state" under "Purpose" in the Canadian civil aircraft register.

Government-Military

Aircraft of any branch of the armed forces of any nation.

Gross take-off weight

The maximum weight for which the aircraft is licensed to operate.

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 Mirabel airport from London, England would appear under "other international". If the same aircraft moved on to Toronto, both the departure at Mirabel and the arrival at Toronto would be shown as "domestic".

Itinerant movements

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 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.

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 any totals in this publication.

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.

Weight group

The classification of weight classes in groups for statistical purposes.