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



August 2008



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Statistics Canada
Transportation Division

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

August 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 relatively unchanged in August 2008 compared to August 2007. These 95 airports reported 584,870 movements in August 2008 compared with 584,891 movements in August 2007.
- Itinerant movements (flights from one airport to another) slipped 0.4% (-1,566 movements) in August 2008 compared with the same month a year earlier.
- Local movements (flights that remain in the vicinity of the airport) edged up by 1.0% (+1,545 movements) in August 2008 over 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	Change from August 2008/ August 2007 percent	number	Change from August 2008/ August 2007 percent	number	Change from August 2008/ August 2007 percent
Grand total	459,756	-1.2	125,114	4.5	584,870	0.0
Itinerant movements						
Air carriers	223,539	-1.4	70,461	4.8	294,000	0.0
Other commercial movements	51,837	13.0	8,898	17.2	60,735	13.6
Private movements	38,296	-12.6	15,624	-8.4	53,920	-11.4
Government civil movements	4,543	-9.9	2,408	-6.5	6,951	-8.7
Government military movements	5,007	-18.4	2,393	-3.2	7,400	-14.0
Itinerant total	323,222	-1.4	99,784	3.0	423,006	-0.4
Local movements						
Civil local movements	134,784	-0.1	25,068	17.1	159,852	2.3
Military local movements	1,750	-32.6	262	-81.5	2,012	-49.9
Local total	136,534	-0.7	25,330	11.0	161,864	1.0

Analysis

Aircraft take-offs and landings at Canadian airports with NAV CANADA air traffic control towers and flight service stations remained relatively unchanged in August 2008 compared to August 2007. These 95 airports reported 584,870 movements in August 2008 compared with 584,891 movements in August 2007.

Itinerant movements (flights from one airport to another) slipped 0.4% (-1,566 movements) in August 2008 compared with the same month a year earlier.

Local movements (flights that remain in the vicinity of the airport) edged up by 1.0% (+1,545 movements) in August 2008 over the previous year.

Airports with NAV CANADA air traffic control towers

The 41 Canadian airports with NAV CANADA air traffic control towers reported 459,756 aircraft take-offs and landings in August down 1.2% (-5,397 movements) compared with August 2007. Year-over-year increases in aircraft movements were reported by only 11 of these airports in August 2008. The variations ranged from an increase of 134.0% at London, Ontario to a decline of 54.8% at Gander International, Newfoundland and Labrador.

In June 2008, the Air Traffic Control Tower at Sudbury, Ontario was closed. In August 2007, Sudbury, Ontario reported 4,084 movements.

Itinerant movements (flights from one airport to another) decreased 1.4% in August compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 56.3% increase (+2,989 movements) at London, Ontario to a decline of 36.0% (-1,166 movements) at Gander International, Newfoundland and Labrador.

Local movements (flights that remain in the vicinity of the airport) decreased marginally (+0.7%) down by 969 movements in August compared with August 2007. London, Ontario recorded the largest gain in local movements, increasing by 8,434 movements (+262.7%) while Gander International, Newfoundland and Labrador reported 2,530 fewer movements (-72.3%) compared with August 2007.

Airports with NAV CANADA flight service stations

The 54 Canadian airports with NAV CANADA flight service stations reported 125,114 aircraft take-offs and landings in August up 4.5% (+5,376 movements) compared with August 2007. Year-over-year increases in aircraft movements were reported by 26 of these airports in August 2008. The variations ranged from a 73.4% increase (+807 movements) at Rouyn-Noranda, Quebec to a decline of -38.2% (-522 movements) at Lloydminster, Alberta.

In June 2008 a Flight Service Station was opened at Sudbury, Ontario. In August 2008, Sudbury, Ontario reported 3,271 movements,

Itinerant movements (flights from one airport to another) increased by 3.0% (+2,862 movements) in August 2008 compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 42.7% increase (+179 movements) at Mont-Joli, Quebec to a decline of 35.5% (-705 movements) at Norman Wells, Northwest Territories.

Local movements (flights that remain in the vicinity of the airport) recorded in August 2008 rose by 11.0% (+2,514 movements) compared with the same month a year earlier. Fredericton International, New Brunswick recorded the largest gain in local movements, increasing by 1,318 movements (+216.8%) compared with August 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	15	11,659	23	5,115	7	6,544
Boundary Bay	5	21,384	11	8,596	2	12,788
Calgary International	4	21,423	3	21,349	37	74
Calgary/Springbank	11	13,768	16	6,603	6	7,165
Chicoutimi/St-Honoré	29	6,062	34	2,726	16	3,336
Edmonton City Centre	26	6,934	17	6,264	28	670
Edmonton International	16	11,254	7	11,063	36	191
Edmonton/Villeneuve	34	4,467	41	1,359	18	3,108
Gander International	38	3,046	39	2,076	26	970
Halifax/Robert L Stanfield International	22	8,150	14	7,738	32	412
Hamilton	30	5,838	29	3,800	21	2,038
Kelowna	24	7,279	24	5,107	20	2,172
Kitchener/Waterloo	18	10,384	21	5,573	9	4,811
Langley	21	8,289	30	3,782	11	4,507
London	7	19,946	13	8,302	3	11,644
Moncton/Greater Moncton International	17	10,699	18	6,057	10	4,642
Montréal/Mirabel International	41	2,068	40	1,556	30	512
Montréal/Pierre Elliott Trudeau International	6	20,336	4	20,336	0	0
Montréal/St-Hubert	3	25,205	9	9,913	1	15,292
Oshawa	23	7,536	31	3,464	13	4,072
Ottawa/Macdonald-Cartier International	10	14,980	5	11,721	17	3,259
Pitt Meadows	12	12,725	27	4,243	5	8,482
Prince George	39	2,655	36	2,373	34	282
Québec/Jean Lesage International	14	12,209	12	8,532	15	3,677
Regina International	32	5,615	28	3,922	24	1,693
Saskatoon/John G Diefenbaker International	20	8,975	19	5,968	19	3,007
Sault Ste. Marie	35	4,431	35	2,599	23	1,832
St. John's International	37	3,704	32	3,458	35	246
St-Jean	31	5,648	25	5,032	29	616
Thunder Bay	25	7,119	22	5,465	25	1,654
Toronto/Buttonville Municipal	8	19,031	10	9,173	4	9,858
Toronto/City Centre	19	9,904	20	5,616	12	4,288
Toronto/Lester B Pearson International	1	37,649	1	37,649	0	0
Vancouver Harbour	27	6,877	15	6,877	0	0
Vancouver International	2	35,765	2	35,765	0	0
Victoria International	9	15,552	8	10,309	8	5,243
Whitehorse International	40	2,513	38	2,145	33	368
Windsor	36	4,149	37	2,271	22	1,878
Winnipeg/James Armstrong Richardson International	13	12,292	6	11,466	27	826
Winnipeg/St. Andrews	28	6,871	33	3,001	14	3,870
Yellowknife	33	5,365	26	4,858	31	507
Total of NAV CANADA towers (41)	.	459,756	.	323,222	.	136,534

Table 1-2
Total aircraft movements by class of operation — NAV CANADA flight service stations

	Total		Itinerant		Local	
	Rank of movements	Number of movements	Rank of movements	Number of movements	Rank of movements	Number of movements
Brandon Municipal	36	1,580	45	964	16	616
Campbell River	4	4,731	4	3,139	7	1,592
Castlegar	40	1,405	35	1,285	30	120
Charlottetown	17	2,788	20	2,036	12	752
Churchill	45	987	44	981	48	6
Cranbrook	42	1,267	38	1,255	46	12
Deer Lake	32	1,758	27	1,676	35	82
Fort McMurray	1	6,391	1	6,008	19	383
Fort Nelson	25	1,970	23	1,852	31	118
Fort St John	16	3,111	9	2,747	20	364
Fredericton International	2	5,765	3	3,839	2	1,926
Grande Prairie	6	4,167	6	2,967	9	1,200
High Level	35	1,593	33	1,397	25	196
Îles-de-la-Madeleine	52	520	52	520	0	0
Inuvik/Mike Zubko	24	2,032	21	1,986	40	46
Iqaluit	20	2,419	17	2,303	32	116
Kamloops	13	3,366	11	2,676	14	690
Kenora	37	1,461	37	1,277	26	184
Kingston	7	4,139	16	2,334	4	1,805
Kuujuuaq	39	1,456	31	1,414	42	42
Kuujuuarapik	51	571	51	571	0	0
La Grande Rivière	46	976	46	952	44	24
La Ronge	28	1,888	24	1,756	28	132
Lethbridge	21	2,367	28	1,671	13	696
Lloydminster	49	844	49	714	29	130
Medicine Hat	30	1,777	39	1,249	18	528
Mont-Joli	50	738	50	598	27	140
Nanaimo	11	3,615	12	2,607	10	1,008
Norman Wells	41	1,381	36	1,279	33	102
North Bay	10	3,734	22	1,868	3	1,866
Ottawa/Gatineau	12	3,471	26	1,677	5	1,794
Peace River	47	962	47	892	36	70
Penticton	8	4,080	8	2,773	8	1,307
Port Hardy	23	2,255	18	2,253	49	2
Prince Albert	31	1,770	25	1,726	41	44
Prince Rupert	53	473	53	473	0	0
Rankin Inlet	38	1,460	30	1,454	47	6
Red Deer Regional	3	5,005	7	2,869	1	2,136
Rouyn-Noranda	27	1,907	40	1,219	15	688
Saint John	29	1,847	29	1,613	23	234
Sept-Îles	22	2,289	19	2,191	34	98
Sioux Lookout	19	2,573	13	2,518	38	55
Smithers	43	1,240	41	1,216	43	24
St Anthony	54	352	54	352	0	0
St Catharines	9	4,065	14	2,401	6	1,664
Sudbury	14	3,271	10	2,730	17	541
Terrace	33	1,606	32	1,404	24	202
Thompson	15	3,201	5	3,135	37	66
Timmins	18	2,678	15	2,341	21	337
Val-d'Or	34	1,597	34	1,343	22	254
Victoria Harbour	5	4,248	2	4,248	0	0
Wabush	48	871	48	857	45	14
Whitecourt	26	1,963	42	1,095	11	868
Williams Lake	44	1,133	43	1,083	39	50
Total of all flight service stations (54)	.	125,114	.	99,784	.	25,330

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	10,535	3,290	1,487	5,758	1,124	338	786
Boundary Bay	21,377	6,989	1,600	12,788	7	7	0
Calgary International	21,283	19,781	1,431	71	140	137	3
Calgary/Springbank	13,745	4,768	1,812	7,165	23	23	0
Chicoutimi/St-Honoré	6,039	2,478	233	3,328	23	15	8
Edmonton City Centre	6,837	4,404	1,783	650	97	77	20
Edmonton International	11,195	10,656	352	187	59	55	4
Edmonton/Villeneuve	4,462	1,000	354	3,108	5	5	0
Gander International	2,561	1,368	425	768	485	283	202
Halifax/Robert L. Stanfield International	7,975	7,145	476	354	175	117	58
Hamilton	5,767	2,910	873	1,984	71	17	54
Kelowna	7,253	4,045	1,042	2,166	26	20	6
Kitchener/Waterloo	10,284	4,206	1,287	4,791	100	80	20
Langley	8,289	2,524	1,258	4,507	0	0	0
London	19,934	7,228	1,068	11,638	12	6	6
Moncton/Greater Moncton International	10,655	5,392	622	4,641	44	43	1
Montréal/Mirabel International	2,016	1,218	302	496	52	36	16
Montréal/Pierre Elliott Trudeau International	20,305	18,648	1,657	0	31	31	0
Montréal/St-Hubert	25,080	8,110	1,678	15,292	125	125	0
Oshawa	7,526	2,637	817	4,072	10	10	0
Ottawa/Macdonald-Cartier International	14,770	10,328	1,196	3,246	210	197	13
Pitt Meadows	12,693	2,853	1,358	8,482	32	32	0
Prince George	2,634	1,766	586	282	21	21	0
Québec/Jean Lesage International	11,983	6,628	1,686	3,669	226	218	8
Regina International	5,294	3,012	623	1,659	321	287	34
Saskatoon/John G. Diefenbaker International	8,830	4,882	989	2,959	145	97	48
Sault Ste. Marie	4,377	2,222	337	1,818	54	40	14
St. John's International	3,524	3,055	225	244	180	178	2
St-Jean	4,069	684	2,769	616	1,579	1,579	0
Thunder Bay	6,985	4,601	760	1,624	134	104	30
Toronto/Buttonville Municipal	19,031	6,448	2,725	9,858	0	0	0
Toronto/City Centre	9,882	4,649	945	4,288	22	22	0
Toronto/Lester B. Pearson International	37,595	36,292	1,303	0	54	54	0
Vancouver Harbour	6,877	6,750	127	0	0	0	0
Vancouver International	35,718	33,762	1,956	0	47	47	0
Victoria International	15,398	8,033	2,203	5,162	154	73	81
Whitehorse International	2,491	1,448	681	362	22	16	6
Windsor	4,135	1,816	441	1,878	14	14	0
Winnipeg/James Armstrong Richardson International	11,612	10,196	790	626	680	480	200
Winnipeg/St. Andrews	6,853	2,658	331	3,864	18	12	6
Yellowknife	5,130	4,496	251	383	235	111	124
Total of NAV CANADA towers (41)	452,999	275,376	42,839	134,784	6,757	5,007	1,750

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	1,449	524	353	572	131	87	44
Campbell River	4,706	2,188	926	1,592	25	25	0
Castlegar	1,403	1,107	176	120	2	2	0
Charlottetown	2,766	1,679	335	752	22	22	0
Churchill	977	885	86	6	10	10	0
Cranbrook	1,252	1,013	227	12	15	15	0
Deer Lake	1,738	1,562	106	70	20	8	12
Fort McMurray	6,381	5,270	728	383	10	10	0
Fort Nelson	1,926	1,478	330	118	44	44	0
Fort St John	3,101	2,361	376	364	10	10	0
Fredericton International	5,626	3,331	375	1,920	139	133	6
Grande Prairie	4,165	2,471	494	1,200	2	2	0
High Level	1,591	1,292	103	196	2	2	0
Îles-de-la-Madeleine	520	417	103	0	0	0	0
Inuvik/Mike Zubko	1,995	1,855	94	46	37	37	0
Iqaluit	2,267	1,943	208	116	152	152	0
Kamloops	3,354	2,254	416	684	12	6	6
Kenora	1,310	893	309	108	151	75	76
Kingston	4,052	1,594	653	1,805	87	87	0
Kuujuuaq	1,456	1,277	137	42	0	0	0
Kuujuuarapik	571	563	8	0	0	0	0
La Grande Rivière	976	881	71	24	0	0	0
La Ronge	1,792	1,381	279	132	96	96	0
Lethbridge	2,312	1,116	530	666	55	25	30
Lloydminster	812	305	377	130	32	32	0
Medicine Hat	1,732	916	300	516	45	33	12
Mont-Joli	568	348	80	140	170	170	0
Nanaimo	3,535	1,450	1,133	952	80	24	56
Norman Wells	1,370	1,197	71	102	11	11	0
North Bay	3,646	1,286	508	1,852	88	74	14
Ottawa/Gatineau	3,435	738	903	1,794	36	36	0
Peace River	951	795	92	64	11	5	6
Penticton	3,929	1,950	672	1,307	151	151	0
Port Hardy	2,223	1,943	278	2	32	32	0
Prince Albert	1,741	1,389	308	44	29	29	0
Prince Rupert	471	353	118	0	2	2	0
Rankin Inlet	1,458	1,426	26	6	2	2	0
Red Deer Regional	4,968	1,989	843	2,136	37	37	0
Rouyn-Noranda	1,897	904	305	688	10	10	0
Saint John	1,819	1,189	396	234	28	28	0
Sept-Îles	2,286	1,879	309	98	3	3	0
Sioux Lookout	2,573	2,330	188	55	0	0	0
Smithers	1,238	1,022	192	24	2	2	0
St Anthony	350	311	39	0	2	2	0
St Catharines	3,344	921	759	1,664	721	721	0
Sudbury	3,250	2,104	605	541	21	21	0
Terrace	1,586	1,252	132	202	20	20	0
Thompson	3,185	2,899	220	66	16	16	0
Timmins	2,678	1,969	372	337	0	0	0
Val-d'Or	1,572	1,029	289	254	25	25	0
Victoria Harbour	4,248	3,733	515	0	0	0	0
Wabush	861	758	89	14	10	10	0
Whitecourt	1,922	868	186	868	41	41	0
Williams Lake	1,125	771	304	50	8	8	0
Total of all flight service stations (54)	122,459	79,359	18,032	25,068	2,655	2,393	262

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	5,115	586	1,686	1,018	1,271	216	338	
Boundary Bay	8,596	9	1,388	5,592	1,567	33	7	
Calgary International	21,349	17,926	1,276	579	1,324	107	137	
Calgary/Springbank	6,603	47	868	3,853	1,785	27	23	
Chicoutimi/St-Honoré	2,726	8	991	1,479	221	12	15	
Edmonton City Centre	6,264	1,615	733	2,056	1,453	330	77	
Edmonton International	11,063	10,216	312	128	340	12	55	
Edmonton/Villeneuve	1,359	10	168	822	354	0	5	
Gander International	2,076	543	785	40	389	36	283	
Halifax/Robert L. Stanfield International	7,738	6,480	622	43	433	43	117	
Hamilton	3,800	1,665	996	249	645	228	17	
Kelowna	5,107	2,482	369	1,194	877	165	20	
Kitchener/Waterloo	5,573	401	2,774	1,031	1,275	12	80	
Langley	3,782	136	171	2,217	1,252	6	0	
London	8,302	1,370	1,596	4,262	991	77	6	
Moncton/Greater Moncton International	6,057	1,974	3,281	137	407	215	43	
Montréal/Mirabel International	1,556	647	351	220	287	15	36	
Montréal/Pierre Elliott Trudeau International	20,336	17,202	618	828	1,462	195	31	
Montréal/St-Hubert	9,913	4,144	635	3,331	1,559	119	125	
Oshawa	3,464	160	110	2,367	805	12	10	
Ottawa/Macdonald-Cartier International	11,721	7,642	444	2,242	703	493	197	
Pitt Meadows	4,243	56	901	1,896	1,354	4	32	
Prince George	2,373	1,272	375	119	460	126	21	
Québec/Jean Lesage International	8,532	4,103	819	1,706	1,315	371	218	
Regina International	3,922	2,054	877	81	472	151	287	
Saskatoon/John G. Diefenbaker International	5,968	3,202	1,157	523	707	282	97	
Sault Ste. Marie	2,599	877	177	1,168	277	60	40	
St. John's International	3,458	2,310	654	91	187	38	178	
St-Jean	5,032	74	149	461	2,709	60	1,579	
Thunder Bay	5,465	2,948	1,071	582	511	249	104	
Toronto/Butterville Municipal	9,173	373	837	5,238	2,677	48	0	
Toronto/City Centre	5,616	1,319	1,449	1,881	918	27	22	
Toronto/Lester B. Pearson International	37,649	35,667	469	156	1,279	24	54	
Vancouver Harbour	6,877	5,070	662	1,018	117	10	0	
Vancouver International	35,765	29,969	2,809	984	1,685	271	47	
Victoria International	10,309	3,701	3,217	1,115	2,174	29	73	
Whitehorse International	2,145	883	518	47	647	34	16	
Windsor	2,271	525	1,127	164	419	22	14	
Winnipeg/James Armstrong Richardson International	11,466	9,507	554	135	511	279	480	
Winnipeg/St. Andrews	3,001	406	1,520	732	327	4	12	
Yellowknife	4,858	3,995	449	52	150	101	111	
Total of NAV CANADA towers (41)	323,222	183,574	39,965	51,837	38,296	4,543	5,007	

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	964	133	282	109	326	27	87
Campbell River	3,139	798	636	754	889	37	25
Castlegar	1,285	304	597	206	150	26	2
Charlottetown	2,036	1,137	156	386	306	29	22
Churchill	981	799	81	5	40	46	10
Cranbrook	1,255	583	396	34	207	20	15
Deer Lake	1,676	1,243	218	101	88	18	8
Fort McMurray	6,008	3,238	1,557	475	698	30	10
Fort Nelson	1,852	301	631	546	326	4	44
Fort St John	2,747	792	1,316	253	364	12	10
Fredericton International	3,839	867	2,329	135	239	136	133
Grande Prairie	2,967	1,148	1,218	105	457	37	2
High Level	1,397	192	1,086	14	85	18	2
Îles-de-la-Madeleine	520	397	2	18	63	40	0
Inuvik/Mike Zubko	1,986	432	1,355	68	43	51	37
Iqaluit	2,303	1,409	414	120	94	114	152
Kamloops	2,676	1,147	724	383	348	68	6
Kenora	1,277	367	465	61	280	29	75
Kingston	2,334	504	470	620	604	49	87
Kuujuaq	1,414	1,068	181	28	99	38	0
Kuujuarapik	571	511	8	44	2	6	0
La Grande Rivière	952	613	228	40	51	20	0
La Ronge	1,756	1,255	103	23	90	189	96
Lethbridge	1,671	423	116	577	520	10	25
Lloydminster	714	129	150	26	357	20	32
Medicine Hat	1,249	754	130	32	284	16	33
Mont-Joli	598	288	26	34	42	38	170
Nanaimo	2,607	561	568	321	1,115	18	24
Norman Wells	1,279	791	400	6	55	16	11
North Bay	1,868	415	509	362	446	62	74
Ottawa/Gatineau	1,677	74	247	417	807	96	36
Peace River	892	353	417	25	81	11	5
Penticton	2,773	538	1,155	257	660	12	151
Port Hardy	2,253	1,765	152	26	196	82	32
Prince Albert	1,726	1,205	120	64	172	136	29
Prince Rupert	473	274	56	23	85	33	2
Rankin Inlet	1,454	1,001	408	17	14	12	2
Red Deer Regional	2,869	240	1,524	225	815	28	37
Rouyn-Noranda	1,219	473	136	295	271	34	10
Saint John	1,613	849	249	91	384	12	28
Sept-Îles	2,191	1,237	522	120	203	106	3
Sioux Lookout	2,518	1,911	409	10	184	4	0
Smithers	1,216	470	228	324	173	19	2
St Anthony	352	236	6	69	27	12	2
St Catharines	2,401	15	756	150	727	32	721
Sudbury	2,730	1,338	680	86	501	104	21
Terrace	1,404	562	564	126	82	50	20
Thompson	3,135	2,397	482	20	46	174	16
Timmins	2,341	1,586	344	39	267	105	0
Val-d'Or	1,343	737	146	146	253	36	25
Victoria Harbour	4,248	3,489	26	218	466	49	0
Wabush	857	626	84	48	70	19	10
Whitecourt	1,095	44	669	155	182	4	41
Williams Lake	1,083	458	252	61	290	14	8
Total of all flight service stations (54)	99,784	44,477	25,984	8,898	15,624	2,408	2,393

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 number
	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	5,115	1,449	28.3	3,666	71.6	1,235
Boundary Bay	8,596	308	3.5	8,288	96.4	893
Calgary International	21,349	19,946	93.4	1,403	6.5	971
Calgary/Springbank	6,603	351	5.3	6,252	94.6	4,113
Chicoutimi/St-Honoré	2,726	126	4.6	2,600	95.3	219
Edmonton City Centre	6,264	2,639	42.1	3,625	57.8	1,933
Edmonton International	11,063	10,668	96.4	395	3.5	975
Edmonton/Villeneuve	1,359	20	1.4	1,339	98.5	120
Gander International	2,076	1,289	62.0	787	37.9	260
Halifax/Robert L Stanfield International	7,738	7,228	93.4	510	6.5	336
Hamilton	3,800	2,265	59.6	1,535	40.3	766
Kelowna	5,107	2,816	55.1	2,291	44.8	1,228
Kitchener/Waterloo	5,573	1,014	18.1	4,559	81.8	811
Langley	3,782	79	2.0	3,703	97.9	1,553
London	8,302	1,663	20.0	6,639	79.9	724
Moncton/Greater Moncton International	6,057	2,555	42.1	3,502	57.8	483
Montréal/Mirabel International	1,556	833	53.5	723	46.4	1,691
Montréal/Pierre Elliott Trudeau International	20,336	19,157	94.2	1,179	5.7	1,821
Montréal/St-Hubert	9,913	1,495	15.0	8,418	84.9	1,552
Oshawa	3,464	138	3.9	3,326	96.0	653
Ottawa/Macdonald-Cartier International	11,721	8,591	73.2	3,130	26.7	1,710
Pitt Meadows	4,243	24	0.5	4,219	99.4	2,807
Prince George	2,373	1,352	56.9	1,021	43.0	590
Québec/Jean Lesage International	8,532	4,992	58.5	3,540	41.4	1,979
Regina International	3,922	2,492	63.5	1,430	36.4	122
Saskatoon/John G Diefenbaker International	5,968	3,797	63.6	2,171	36.3	359
Sault Ste. Marie	2,599	1,144	44.0	1,455	55.9	152
St. John's International	3,458	3,250	93.9	208	6.0	252
St-Jean	5,032	204	4.0	4,828	95.9	890
Thunder Bay	5,465	3,604	65.9	1,861	34.0	497
Toronto/Buttonville Municipal	9,173	883	9.6	8,290	90.3	855
Toronto/City Centre	5,616	1,751	31.1	3,865	68.8	3,184
Toronto/Lester B Pearson International	37,649	37,417	99.3	232	0.6	93
Vancouver Harbour	6,877	44	0.6	6,833	99.3	4,421
Vancouver International	35,765	24,410	68.2	11,355	31.7	5,780
Victoria International	10,309	3,673	35.6	6,636	64.3	5,315
Whitehorse International	2,145	609	28.3	1,536	71.6	787
Windsor	2,271	662	29.1	1,609	70.8	117
Winnipeg/James Armstrong Richardson International	11,466	9,883	86.1	1,583	13.8	790
Winnipeg/St. Andrews	3,001	34	1.1	2,967	98.8	147
Yellowknife	4,858	2,542	52.3	2,316	47.6	1,636
Total of NAV CANADA towers (41)	323,222	187,397	58.0	135,825	42.0	54,820

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	964	177	18.3	787	81.6	82
Campbell River	3,139	677	21.5	2,462	78.4	700
Castlegar	1,285	296	23.0	989	76.9	255
Charlottetown	2,036	1,309	64.2	727	35.7	49
Churchill	981	757	77.1	224	22.8	148
Cranbrook	1,255	630	50.1	625	49.8	484
Deer Lake	1,676	1,437	85.7	239	14.2	41
Fort McMurray	6,008	2,208	36.7	3,800	63.2	166
Fort Nelson	1,852	364	19.6	1,488	80.3	190
Fort St John	2,747	765	27.8	1,982	72.1	232
Fredericton International	3,839	1,423	37.0	2,416	62.9	125
Grande Prairie	2,967	1,393	46.9	1,574	53.0	393
High Level	1,397	257	18.3	1,140	81.6	437
Îles-de-la-Madeleine	520	495	95.1	25	4.8	11
Inuvik/Mike Zubko	1,986	529	26.6	1,457	73.3	128
Iqaluit	2,303	1,573	68.3	730	31.6	233
Kamloops	2,676	1,202	44.9	1,474	55.0	507
Kenora	1,277	552	43.2	725	56.7	311
Kingston	2,334	723	30.9	1,611	69.0	166
Kuujuuaq	1,414	512	36.2	902	63.7	495
Kuujuuarapik	571	287	50.2	284	49.7	6
La Grande Rivière	952	654	68.6	298	31.3	221
La Ronge	1,756	950	54.1	806	45.8	1,012
Lethbridge	1,671	547	32.7	1,124	67.2	62
Lloydminster	714	222	31.0	492	68.9	39
Medicine Hat	1,249	405	32.4	844	67.5	283
Mont-Joli	598	305	51.0	293	48.9	60
Nanaimo	2,607	655	25.1	1,952	74.8	2,173
Norman Wells	1,279	183	14.3	1,096	85.6	255
North Bay	1,868	683	36.5	1,185	63.4	532
Ottawa/Gatineau	1,677	141	8.4	1,536	91.5	175
Peace River	892	302	33.8	590	66.1	201
Penticton	2,773	550	19.8	2,223	80.1	232
Port Hardy	2,253	723	32.0	1,530	67.9	277
Prince Albert	1,726	1,272	73.6	454	26.3	125
Prince Rupert	473	323	68.2	150	31.7	41
Rankin Inlet	1,454	824	56.6	630	43.3	28
Red Deer Regional	2,869	350	12.1	2,519	87.8	505
Rouyn-Noranda	1,219	626	51.3	593	48.6	239
Saint John	1,613	1,132	70.1	481	29.8	29
Sept-Îles	2,191	1,471	67.1	720	32.8	372
Sioux Lookout	2,518	1,732	68.7	786	31.2	1,514
Smithers	1,216	448	36.8	768	63.1	614
St Anthony	352	238	67.6	114	32.3	1
St Catharines	2,401	155	6.4	2,246	93.5	400
Sudbury	2,730	1,718	62.9	1,012	37.0	227
Terrace	1,404	594	42.3	810	57.6	284
Thompson	3,135	1,453	46.3	1,682	53.6	291
Timmins	2,341	1,628	69.5	713	30.4	456
Val-d'Or	1,343	754	56.1	589	43.8	1,202
Victoria Harbour	4,248	37	0.8	4,211	99.1	1,757
Wabush	857	686	80.0	171	19.9	427
Whitecourt	1,095	78	7.1	1,017	92.8	191
Williams Lake	1,083	458	42.2	625	57.7	438
Total of all flight service stations (54)	99,784	39,863	39.9	59,921	60.1	19,822

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	5,115	774	206	3,327	806	2
Boundary Bay	8,596	1	55	8,212	327	1
Calgary International	21,349	14,850	4,916	1,014	569	0
Calgary/Springbank	6,603	53	278	5,604	668	0
Chicoutimi/St-Honoré	2,726	27	116	2,125	445	13
Edmonton City Centre	6,264	432	1,939	2,942	950	1
Edmonton International	11,063	7,928	2,712	397	26	0
Edmonton/Villeneuve	1,359	15	9	1,169	164	2
Gander International	2,076	644	516	689	227	0
Halifax/Robert L. Stanfield International	7,738	4,874	2,058	424	382	0
Hamilton	3,800	1,514	667	1,518	101	0
Kelowna	5,107	1,521	1,379	1,825	380	2
Kitchener/Waterloo	5,573	224	455	4,540	354	0
Langley	3,782	0	104	3,203	465	10
London	8,302	369	1,223	6,488	220	2
Moncton/Greater Moncton International	6,057	1,315	935	3,740	67	0
Montréal/Mirabel International	1,556	591	271	529	165	0
Montréal/Pierre Elliott Trudeau International	20,336	13,359	5,662	904	410	1
Montréal/St-Hubert	9,913	218	745	8,464	483	3
Oshawa	3,464	10	91	3,249	114	0
Ottawa/Macdonald-Cartier International	11,721	6,407	2,220	2,694	397	3
Pitt Meadows	4,243	11	96	3,893	236	7
Prince George	2,373	483	1,070	531	288	1
Québec/Jean Lesage International	8,532	1,544	3,246	2,805	933	4
Regina International	3,922	1,606	634	1,630	43	9
Saskatoon/John G. Diefenbaker International	5,968	1,803	1,866	2,264	34	1
Sault Ste. Marie	2,599	68	1,035	1,459	37	0
St. John's International	3,458	1,671	1,395	124	268	0
St-Jean	5,032	3	72	2,655	43	2,259
Thunder Bay	5,465	911	2,966	1,103	485	0
Toronto/Buttonville Municipal	9,173	123	550	7,980	518	2
Toronto/City Centre	5,616	4	1,808	3,085	716	3
Toronto/Lester B. Pearson International	37,649	31,283	6,238	114	14	0
Vancouver Harbour	6,877	0	3,416	2,508	953	0
Vancouver International	35,765	14,973	13,089	6,175	1,528	0
Victoria International	10,309	1,556	2,545	5,840	367	1
Whitehorse International	2,145	329	472	1,004	340	0
Windsor	2,271	60	558	1,614	38	1
Winnipeg/James Armstrong Richardson International	11,466	5,594	4,596	1,155	120	1
Winnipeg/St. Andrews	3,001	0	390	2,523	88	0
Yellowknife	4,858	810	3,090	518	440	0
Total of NAV CANADA towers (41)	323,222	117,958	75,689	112,037	15,209	2,329

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	964	39	205	670	47	3
Campbell River	3,139	146	984	1,631	378	0
Castlegar	1,285	18	486	277	504	0
Charlottetown	2,036	826	307	859	44	0
Churchill	981	14	840	54	73	0
Cranbrook	1,255	40	753	279	183	0
Deer Lake	1,676	392	1,026	190	68	0
Fort McMurray	6,008	1,207	1,701	1,412	1,688	0
Fort Nelson	1,852	36	358	491	967	0
Fort St John	2,747	232	665	520	1,330	0
Fredericton International	3,839	402	690	2,593	154	0
Grande Prairie	2,967	247	1,110	720	890	0
High Level	1,397	5	434	497	461	0
Îles-de-la-Madeleine	520	24	379	117	0	0
Inuvik/Mike Zubko	1,986	140	1,086	290	470	0
Iqaluit	2,303	464	1,542	56	241	0
Kamloops	2,676	57	1,320	894	404	1
Kenora	1,277	92	544	368	273	0
Kingston	2,334	36	644	1,487	167	0
Kuujuaq	1,414	177	973	111	153	0
Kuujuarapik	571	0	517	44	10	0
La Grande Rivière	952	10	775	135	32	0
La Ronge	1,756	6	1,247	469	34	0
Lethbridge	1,671	59	561	1,009	42	0
Lloydminster	714	22	200	442	50	0
Medicine Hat	1,249	30	481	564	174	0
Mont-Joli	598	21	248	290	38	1
Nanaimo	2,607	29	648	1,819	102	9
Norman Wells	1,279	132	357	470	320	0
North Bay	1,868	93	654	696	413	12
Ottawa/Gatineau	1,677	7	95	1,343	228	4
Peace River	892	20	319	220	333	0
Penticton	2,773	116	760	1,135	762	0
Port Hardy	2,253	67	1,353	591	242	0
Prince Albert	1,726	21	1,262	376	67	0
Prince Rupert	473	54	263	96	60	0
Rankin Inlet	1,454	152	880	28	394	0
Red Deer Regional	2,869	52	381	2,270	161	5
Rouyn-Noranda	1,219	90	603	503	23	0
Saint John	1,613	438	584	544	47	0
Sept-Îles	2,191	45	1,290	480	376	0
Sioux Lookout	2,518	7	1,987	458	66	0
Smithers	1,216	6	543	195	472	0
St Anthony	352	8	289	41	14	0
St Catharines	2,401	72	48	1,572	700	9
Sudbury	2,730	46	1,691	654	339	0
Terrace	1,404	28	626	80	670	0
Thompson	3,135	118	2,273	427	317	0
Timmins	2,341	8	1,834	372	127	0
Val-d'Or	1,343	105	692	407	139	0
Victoria Harbour	4,248	0	2,928	786	534	0
Wabush	857	26	626	97	108	0
Whitecourt	1,095	40	86	237	732	0
Williams Lake	1,083	24	518	264	277	0
Total of all flight service stations (54)	99,784	6,546	43,666	32,630	16,898	44

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	3,424	548	216	77	213	69	531	25	8	4
Boundary Bay	8,091	418	79	1	0	6	0	1	0	0
Calgary International	997	670	1,677	1,935	1,021	4,106	8,171	1,649	279	844
Calgary/Springbank	5,724	525	179	154	6	15	0	0	0	0
Chicoutimi/St-Honoré	2,335	244	120	16	0	11	0	0	0	0
Edmonton City Centre	3,145	755	1,501	629	184	20	2	28	0	0
Edmonton International	217	225	501	885	489	2,586	5,073	805	180	102
Edmonton/Villeneuve	1,272	54	33	0	0	0	0	0	0	0
Gander International	617	79	169	220	436	303	56	84	35	77
Halifax/Robert L. Stanfield International	199	252	470	954	979	1,512	2,325	636	200	211
Hamilton	1,252	484	306	293	194	53	596	0	533	89
Kelowna	1,984	205	309	703	208	789	889	1	19	0
Kitchener/Waterloo	4,596	262	330	84	208	25	68	0	0	0
Langley	3,516	253	6	1	6	0	0	0	0	0
London	6,314	338	335	82	861	161	199	9	1	2
Moncton/Greater Moncton International	3,603	245	425	280	221	618	400	12	253	0
Montréal/Mirabel International	594	128	79	106	25	156	45	2	276	145
Montréal/Pierre Elliott Trudeau International	979	293	851	954	2,873	5,853	5,265	1,103	130	2,035
Montréal/St-Hubert	8,336	532	685	192	142	4	11	1	10	0
Oshawa	3,172	181	87	21	3	0	0	0	0	0
Ottawa/Macdonald-Cartier International	2,772	140	1,047	199	724	2,919	3,016	504	211	189
Pitt Meadows	4,019	126	86	2	1	4	5	0	0	0
Prince George	689	183	218	563	25	507	188	0	0	0
Québec/Jean Lesage International	3,235	468	733	253	1,497	1,930	304	40	0	72
Regina International	1,275	410	437	235	77	546	853	0	89	0
Saskatoon/John G. Diefenbaker International	1,939	391	800	583	361	828	1,028	1	37	0
Sault Ste. Marie	1,428	163	503	80	353	68	2	2	0	0
St. John's International	107	12	412	435	788	65	1,167	383	67	22
St-Jean	4,853	96	80	0	0	0	2	0	1	0
Thunder Bay	1,085	398	2,543	309	162	588	378	2	0	0
Toronto/Buttonville Municipal	8,072	543	378	125	37	16	2	0	0	0
Toronto/City Centre	3,197	457	795	28	0	1,135	0	2	0	2
Toronto/Lester B. Pearson International	52	386	323	2,588	3,592	7,842	14,040	3,813	712	4,301
Vancouver Harbour	373	4,889	1,598	4	13	0	0	0	0	0
Vancouver International	1,924	7,847	1,479	3,452	3,168	5,441	6,689	2,290	600	2,875
Victoria International	5,036	1,406	306	613	1,092	927	866	22	40	1
Whitehorse International	1,143	300	159	56	20	160	289	2	0	16
Windsor	1,536	132	76	100	378	43	4	2	0	0
Winnipeg/James Armstrong Richardson International	691	555	3,102	555	947	1,469	2,904	702	529	12
Winnipeg/St. Andrews	2,378	508	103	6	0	0	0	6	0	0
Yellowknife	486	737	925	313	377	1,161	636	223	0	0
Total of NAV CANADA towers (41)	106,657	26,838	24,461	18,086	21,681	41,936	56,004	12,350	4,210	10,999

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	642	47	165	61	17	2	0	30	0	0
Campbell River	1,837	237	181	472	392	20	0	0	0	0
Castlegar	456	64	234	164	42	230	95	0	0	0
Charlottetown	718	209	53	38	240	611	167	0	0	0
Churchill	85	46	225	118	163	340	2	2	0	0
Cranbrook	234	88	238	289	179	129	98	0	0	0
Deer Lake	158	105	116	138	787	141	223	0	8	0
Fort McMurray	2,461	1,059	643	606	235	557	447	0	0	0
Fort Nelson	1,273	203	127	119	130	0	0	0	0	0
Fort St John	1,648	78	384	231	135	267	3	1	0	0
Fredericton International	2,528	143	297	251	147	439	8	2	2	22
Grande Prairie	1,219	387	510	152	60	499	140	0	0	0
High Level	731	178	262	142	1	16	67	0	0	0
Îles-de-la-Madeleine	34	83	55	50	194	104	0	0	0	0
Inuvik/Mike Zubko	601	75	741	350	38	50	113	18	0	0
Iqaluit	162	136	634	170	337	459	260	18	121	6
Kamloops	812	273	249	526	281	525	10	0	0	0
Kenora	315	100	726	34	45	30	0	27	0	0
Kingston	1,539	61	168	471	61	10	0	24	0	0
Kuujuuaq	228	36	837	8	103	75	42	0	85	0
Kuujuuarapik	12	42	231	0	212	74	0	0	0	0
La Grande Rivière	71	150	124	24	151	432	0	0	0	0
La Ronge	126	297	558	111	343	321	0	0	0	0
Lethbridge	916	127	222	271	82	17	36	0	0	0
Lloydminster	391	126	103	86	8	0	0	0	0	0
Medicine Hat	667	40	259	267	14	2	0	0	0	0
Mont-Joli	257	56	131	34	103	17	0	0	0	0
Nanaimo	1,555	451	83	94	52	372	0	0	0	0
Norman Wells	648	220	191	13	19	63	125	0	0	0
North Bay	1,025	200	249	108	177	73	16	20	0	0
Ottawa/Gatineau	1,413	116	125	12	5	5	1	0	0	0
Peace River	326	194	339	18	12	3	0	0	0	0
Penticton	1,448	325	174	309	132	367	18	0	0	0
Port Hardy	251	565	702	182	527	26	0	0	0	0
Prince Albert	211	177	232	284	446	376	0	0	0	0
Prince Rupert	52	100	50	47	78	146	0	0	0	0
Rankin Inlet	384	78	317	158	257	102	140	18	0	0
Red Deer Regional	2,197	245	247	100	61	2	17	0	0	0
Rouyn-Noranda	516	8	312	4	165	158	56	0	0	0
Saint John	428	150	171	292	133	376	61	2	0	0
Sept-Îles	529	322	440	149	695	54	0	0	0	2
Sioux Lookout	180	332	1,440	566	0	0	0	0	0	0
Smithers	621	88	94	231	66	116	0	0	0	0
St Anthony	21	32	208	18	73	0	0	0	0	0
St Catharines	2,188	132	48	20	5	8	0	0	0	0
Sudbury	555	398	1,223	122	137	292	3	0	0	0
Terrace	639	106	62	240	152	205	0	0	0	0
Thompson	356	659	1,316	19	319	369	97	0	0	0
Timmins	396	244	1,033	98	373	197	0	0	0	0
Val-d'Or	449	81	297	27	273	123	3	0	86	4
Victoria Harbour	65	2,758	1,423	2	0	0	0	0	0	0
Wabush	144	46	103	66	481	17	0	0	0	0
Whitecourt	827	139	96	15	2	16	0	0	0	0
Williams Lake	447	46	121	415	34	0	20	0	0	0
Total of all flight service stations (54)	37,992	12,658	19,569	8,792	9,174	8,833	2,268	162	302	34

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	4,975	576	1,680	1,015	1,182	216	306
Transborder	140	10	6	3	89	0	32
Other international	0	0	0	0	0	0	0
Total	5,115	586	1,686	1,018	1,271	216	338
Boundary Bay							
Domestic	8,535	9	1,387	5,571	1,528	33	7
Transborder	61	0	1	21	39	0	0
Other international	0	0	0	0	0	0	0
Total	8,596	9	1,388	5,592	1,567	33	7
Calgary International							
Domestic	17,139	14,164	1,208	548	990	107	122
Transborder	3,558	3,128	68	27	331	0	4
Other international	652	634	0	4	3	0	11
Total	21,349	17,926	1,276	579	1,324	107	137
Calgary/Springbank							
Domestic	6,431	34	860	3,841	1,646	27	23
Transborder	171	13	8	12	138	0	0
Other international	1	0	0	0	1	0	0
Total	6,603	47	868	3,853	1,785	27	23
Chicoutimi/St-Honoré							
Domestic	2,725	8	991	1,479	220	12	15
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	2,726	8	991	1,479	221	12	15
Edmonton City Centre							
Domestic	6,228	1,609	728	2,054	1,430	330	77
Transborder	35	6	5	2	22	0	0
Other international	1	0	0	0	1	0	0
Total	6,264	1,615	733	2,056	1,453	330	77
Edmonton International							
Domestic	9,565	8,783	304	127	290	12	49
Transborder	1,368	1,308	8	1	46	0	5
Other international	130	125	0	0	4	0	1
Total	11,063	10,216	312	128	340	12	55
Edmonton/Villeneuve							
Domestic	1,359	10	168	822	354	0	5
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,359	10	168	822	354	0	5
Gander International							
Domestic	1,559	414	779	27	135	36	168
Transborder	224	44	1	6	118	0	55
Other international	293	85	5	7	136	0	60
Total	2,076	543	785	40	389	36	283
Halifax/Robert L Stanfield International							
Domestic	6,188	5,251	494	34	269	43	97
Transborder	1,197	985	51	4	146	0	11
Other international	353	244	77	5	18	0	9
Total	7,738	6,480	622	43	433	43	117
Hamilton							
Domestic	3,225	1,232	985	246	522	226	14
Transborder	475	337	11	3	119	2	3
Other international	100	96	0	0	4	0	0
Total	3,800	1,665	996	249	645	228	17

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	4,768	2,240	367	1,193	783	165	20
Transborder	338	242	2	1	93	0	0
Other international	1	0	0	0	1	0	0
Total	5,107	2,482	369	1,194	877	165	20
Kitchener/Waterloo							
Domestic	5,184	230	2,730	1,021	1,111	12	80
Transborder	389	171	44	10	164	0	0
Other international	0	0	0	0	0	0	0
Total	5,573	401	2,774	1,031	1,275	12	80
Langley							
Domestic	3,767	136	171	2,217	1,237	6	0
Transborder	12	0	0	0	12	0	0
Other international	3	0	0	0	3	0	0
Total	3,782	136	171	2,217	1,252	6	0
London							
Domestic	7,857	1,100	1,589	4,256	831	75	6
Transborder	445	270	7	6	160	2	0
Other international	0	0	0	0	0	0	0
Total	8,302	1,370	1,596	4,262	991	77	6
Moncton/Greater Moncton International							
Domestic	5,950	1,891	3,281	137	383	215	43
Transborder	101	78	0	0	23	0	0
Other international	6	5	0	0	1	0	0
Total	6,057	1,974	3,281	137	407	215	43
Montréal/Mirabel International							
Domestic	1,364	465	351	219	278	15	36
Transborder	189	179	0	1	9	0	0
Other international	3	3	0	0	0	0	0
Total	1,556	647	351	220	287	15	36
Montréal/Pierre Elliott Trudeau International							
Domestic	11,501	9,232	488	753	807	193	28
Transborder	6,440	5,763	87	66	523	0	1
Other international	2,395	2,207	43	9	132	2	2
Total	20,336	17,202	618	828	1,462	195	31
Montréal/St-Hubert							
Domestic	9,713	4,122	630	3,327	1,393	116	125
Transborder	188	18	4	4	159	3	0
Other international	12	4	1	0	7	0	0
Total	9,913	4,144	635	3,331	1,559	119	125
Oshawa							
Domestic	3,419	149	109	2,366	773	12	10
Transborder	45	11	1	1	32	0	0
Other international	0	0	0	0	0	0	0
Total	3,464	160	110	2,367	805	12	10
Ottawa/Macdonald-Cartier International							
Domestic	9,119	5,267	419	2,232	525	487	189
Transborder	2,424	2,226	14	7	166	6	5
Other international	178	149	11	3	12	0	3
Total	11,721	7,642	444	2,242	703	493	197
Pitt Meadows							
Domestic	4,222	56	900	1,895	1,336	4	31
Transborder	15	0	1	0	13	0	1
Other international	6	0	0	1	5	0	0
Total	4,243	56	901	1,896	1,354	4	32

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	2,291	1,213	375	117	441	126	19
Transborder	82	59	0	2	19	0	2
Other international	0	0	0	0	0	0	0
Total	2,373	1,272	375	119	460	126	21
Québec/Jean Lesage International							
Domestic	7,780	3,550	805	1,695	1,162	368	200
Transborder	643	480	10	7	138	2	6
Other international	109	73	4	4	15	1	12
Total	8,532	4,103	819	1,706	1,315	371	218
Regina International							
Domestic	3,707	1,914	872	78	406	150	287
Transborder	215	140	5	3	66	1	0
Other international	0	0	0	0	0	0	0
Total	3,922	2,054	877	81	472	151	287
Saskatoon/John G Diefenbaker International							
Domestic	5,780	3,065	1,156	514	666	282	97
Transborder	183	132	1	9	41	0	0
Other international	5	5	0	0	0	0	0
Total	5,968	3,202	1,157	523	707	282	97
Sault Ste. Marie							
Domestic	2,517	864	177	1,166	210	60	40
Transborder	82	13	0	2	67	0	0
Other international	0	0	0	0	0	0	0
Total	2,599	877	177	1,168	277	60	40
St. John's International							
Domestic	3,105	2,186	646	79	114	38	42
Transborder	186	74	0	3	38	0	71
Other international	167	50	8	9	35	0	65
Total	3,458	2,310	654	91	187	38	178
St-Jean							
Domestic	5,032	74	149	461	2,709	60	1,579
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	5,032	74	149	461	2,709	60	1,579
Thunder Bay							
Domestic	5,256	2,814	1,063	580	450	247	102
Transborder	208	134	8	2	61	1	2
Other international	1	0	0	0	0	1	0
Total	5,465	2,948	1,071	582	511	249	104
Toronto/Buttonville Municipal							
Domestic	8,794	311	803	5,201	2,431	48	0
Transborder	376	60	34	37	245	0	0
Other international	3	2	0	0	1	0	0
Total	9,173	373	837	5,238	2,677	48	0
Toronto/City Centre							
Domestic	5,085	1,008	1,416	1,876	738	27	20
Transborder	530	311	33	5	179	0	2
Other international	1	0	0	0	1	0	0
Total	5,616	1,319	1,449	1,881	918	27	22
Toronto/Lester B Pearson International							
Domestic	17,815	16,812	361	82	492	24	44
Transborder	15,325	14,394	98	64	760	0	9
Other international	4,509	4,461	10	10	27	0	1
Total	37,649	35,667	469	156	1,279	24	54

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							
Vancouver Harbour							
Domestic	6,687	4,897	661	1,016	103	10	0
Transborder	190	173	1	2	14	0	0
Other international	0	0	0	0	0	0	0
Total	6,877	5,070	662	1,018	117	10	0
Vancouver International							
Domestic	27,301	22,317	2,617	956	1,116	261	34
Transborder	6,309	5,712	19	19	545	2	12
Other international	2,155	1,940	173	9	24	8	1
Total	35,765	29,969	2,809	984	1,685	271	47
Victoria International							
Domestic	9,257	3,262	3,181	1,104	1,614	29	67
Transborder	993	437	19	2	532	0	3
Other international	59	2	17	9	28	0	3
Total	10,309	3,701	3,217	1,115	2,174	29	73
Whitehorse International							
Domestic	1,951	851	516	45	496	32	11
Transborder	183	24	2	2	149	2	4
Other international	11	8	0	0	2	0	1
Total	2,145	883	518	47	647	34	16
Windsor							
Domestic	2,200	512	1,125	162	365	22	14
Transborder	67	13	1	2	51	0	0
Other international	4	0	1	0	3	0	0
Total	2,271	525	1,127	164	419	22	14
Winnipeg/James Armstrong Richardson International							
Domestic	10,263	8,475	548	126	380	275	459
Transborder	1,187	1,021	6	9	131	4	16
Other international	16	11	0	0	0	0	5
Total	11,466	9,507	554	135	511	279	480
Winnipeg/St. Andrews							
Domestic	2,995	404	1,520	732	323	4	12
Transborder	6	2	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	3,001	406	1,520	732	327	4	12
Yellowknife							
Domestic	4,846	3,987	448	52	148	101	110
Transborder	9	6	0	0	2	0	1
Other international	3	2	1	0	0	0	0
Total	4,858	3,995	449	52	150	101	111
Total of NAV CANADA towers (41)							
Domestic	267,455	135,494	39,058	51,422	32,387	4,506	4,588
Transborder	44,590	37,974	556	345	5,445	25	245
Other international	11,177	10,106	351	70	464	12	174
Total	323,222	183,574	39,965	51,837	38,296	4,543	5,007

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	952	133	282	109	314	27	87
Transborder	12	0	0	0	12	0	0
Other international	0	0	0	0	0	0	0
Total	964	133	282	109	326	27	87
Campbell River							
Domestic	2,834	772	636	753	611	37	25
Transborder	305	26	0	1	278	0	0
Other international	0	0	0	0	0	0	0
Total	3,139	798	636	754	889	37	25
Castlegar							
Domestic	1,269	304	597	206	134	26	2
Transborder	16	0	0	0	16	0	0
Other international	0	0	0	0	0	0	0
Total	1,285	304	597	206	150	26	2
Charlottetown							
Domestic	1,810	964	156	386	253	29	22
Transborder	223	172	0	0	51	0	0
Other international	3	1	0	0	2	0	0
Total	2,036	1,137	156	386	306	29	22
Churchill							
Domestic	980	799	81	5	39	46	10
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	981	799	81	5	40	46	10
Cranbrook							
Domestic	1,222	575	395	34	183	20	15
Transborder	33	8	1	0	24	0	0
Other international	0	0	0	0	0	0	0
Total	1,255	583	396	34	207	20	15
Deer Lake							
Domestic	1,662	1,235	217	101	83	18	8
Transborder	5	0	1	0	4	0	0
Other international	9	8	0	0	1	0	0
Total	1,676	1,243	218	101	88	18	8
Fort McMurray							
Domestic	6,002	3,235	1,557	475	695	30	10
Transborder	6	3	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	6,008	3,238	1,557	475	698	30	10
Fort Nelson							
Domestic	1,848	301	631	546	322	4	44
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	1,852	301	631	546	326	4	44
Fort St John							
Domestic	2,745	792	1,316	252	363	12	10
Transborder	2	0	0	1	1	0	0
Other international	0	0	0	0	0	0	0
Total	2,747	792	1,316	253	364	12	10
Fredericton International							
Domestic	3,784	863	2,328	135	191	136	131
Transborder	53	4	1	0	48	0	0
Other international	2	0	0	0	0	0	2
Total	3,839	867	2,329	135	239	136	133

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	2,963	1,148	1,218	105	453	37	2
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	2,967	1,148	1,218	105	457	37	2
High Level							
Domestic	1,397	192	1,086	14	85	18	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,397	192	1,086	14	85	18	2
Îles-de-la-Madeleine							
Domestic	510	395	2	18	55	40	0
Transborder	10	2	0	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	520	397	2	18	63	40	0
Inuvik/Mike Zubko							
Domestic	1,977	429	1,355	68	37	51	37
Transborder	8	3	0	0	5	0	0
Other international	1	0	0	0	1	0	0
Total	1,986	432	1,355	68	43	51	37
Iqaluit							
Domestic	2,165	1,351	400	107	46	114	147
Transborder	47	22	13	2	10	0	0
Other international	91	36	1	11	38	0	5
Total	2,303	1,409	414	120	94	114	152
Kamloops							
Domestic	2,644	1,145	723	382	320	68	6
Transborder	32	2	1	1	28	0	0
Other international	0	0	0	0	0	0	0
Total	2,676	1,147	724	383	348	68	6
Kenora							
Domestic	1,152	359	461	61	167	29	75
Transborder	125	8	4	0	113	0	0
Other international	0	0	0	0	0	0	0
Total	1,277	367	465	61	280	29	75
Kingston							
Domestic	2,259	501	469	620	533	49	87
Transborder	75	3	1	0	71	0	0
Other international	0	0	0	0	0	0	0
Total	2,334	504	470	620	604	49	87
Kuujuuaq							
Domestic	1,412	1,067	181	28	98	38	0
Transborder	1	0	0	0	1	0	0
Other international	1	1	0	0	0	0	0
Total	1,414	1,068	181	28	99	38	0
Kuujuarapik							
Domestic	571	511	8	44	2	6	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	571	511	8	44	2	6	0
La Grande Rivière							
Domestic	952	613	228	40	51	20	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	952	613	228	40	51	20	0
La Ronge							
Domestic	1,752	1,255	103	23	86	189	96
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	1,756	1,255	103	23	90	189	96

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	1,535	412	115	566	408	10	24
Transborder	136	11	1	11	112	0	1
Other international	0	0	0	0	0	0	0
Total	1,671	423	116	577	520	10	25
Lloydminster							
Domestic	712	129	150	26	355	20	32
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	714	129	150	26	357	20	32
Medicine Hat							
Domestic	1,240	754	130	31	276	16	33
Transborder	9	0	0	1	8	0	0
Other international	0	0	0	0	0	0	0
Total	1,249	754	130	32	284	16	33
Mont-Joli							
Domestic	594	287	26	34	39	38	170
Transborder	4	1	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	598	288	26	34	42	38	170
Nanaimo							
Domestic	2,460	542	568	321	987	18	24
Transborder	147	19	0	0	128	0	0
Other international	0	0	0	0	0	0	0
Total	2,607	561	568	321	1,115	18	24
Norman Wells							
Domestic	1,278	791	400	6	54	16	11
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,279	791	400	6	55	16	11
North Bay							
Domestic	1,801	406	509	362	388	62	74
Transborder	67	9	0	0	58	0	0
Other international	0	0	0	0	0	0	0
Total	1,868	415	509	362	446	62	74
Ottawa/Gatineau							
Domestic	1,670	74	247	416	801	96	36
Transborder	6	0	0	0	6	0	0
Other international	1	0	0	1	0	0	0
Total	1,677	74	247	417	807	96	36
Peace River							
Domestic	891	353	417	25	80	11	5
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	892	353	417	25	81	11	5
Penticton							
Domestic	2,698	529	1,141	256	609	12	151
Transborder	75	9	14	1	51	0	0
Other international	0	0	0	0	0	0	0
Total	2,773	538	1,155	257	660	12	151
Port Hardy							
Domestic	2,156	1,760	152	26	105	82	31
Transborder	97	5	0	0	91	0	1
Other international	0	0	0	0	0	0	0
Total	2,253	1,765	152	26	196	82	32
Prince Albert							
Domestic	1,724	1,205	120	64	170	136	29
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,726	1,205	120	64	172	136	29

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	438	273	55	23	52	33	2
Transborder	35	1	1	0	33	0	0
Other international	0	0	0	0	0	0	0
Total	473	274	56	23	85	33	2
Rankin Inlet							
Domestic	1,452	1,000	408	17	14	12	1
Transborder	1	1	0	0	0	0	0
Other international	1	0	0	0	0	0	1
Total	1,454	1,001	408	17	14	12	2
Red Deer Regional							
Domestic	2,850	240	1,524	225	796	28	37
Transborder	19	0	0	0	19	0	0
Other international	0	0	0	0	0	0	0
Total	2,869	240	1,524	225	815	28	37
Rouyn-Noranda							
Domestic	1,218	473	136	295	270	34	10
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,219	473	136	295	271	34	10
Saint John							
Domestic	1,519	844	249	89	297	12	28
Transborder	90	4	0	2	84	0	0
Other international	4	1	0	0	3	0	0
Total	1,613	849	249	91	384	12	28
Sept-Îles							
Domestic	2,175	1,237	522	117	191	106	2
Transborder	15	0	0	2	12	0	1
Other international	1	0	0	1	0	0	0
Total	2,191	1,237	522	120	203	106	3
Sioux Lookout							
Domestic	2,463	1,910	408	10	131	4	0
Transborder	55	1	1	0	53	0	0
Other international	0	0	0	0	0	0	0
Total	2,518	1,911	409	10	184	4	0
Smithers							
Domestic	1,207	470	228	324	164	19	2
Transborder	9	0	0	0	9	0	0
Other international	0	0	0	0	0	0	0
Total	1,216	470	228	324	173	19	2
St Anthony							
Domestic	352	236	6	69	27	12	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	352	236	6	69	27	12	2
St Catharines							
Domestic	2,311	9	738	147	664	32	721
Transborder	89	6	18	2	63	0	0
Other international	1	0	0	1	0	0	0
Total	2,401	15	756	150	727	32	721
Sudbury							
Domestic	2,685	1,333	676	86	465	104	21
Transborder	45	5	4	0	36	0	0
Other international	0	0	0	0	0	0	0
Total	2,730	1,338	680	86	501	104	21

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	1,392	561	563	126	72	50	20
Transborder	12	1	1	0	10	0	0
Other international	0	0	0	0	0	0	0
Total	1,404	562	564	126	82	50	20
Thompson							
Domestic	3,131	2,394	482	20	45	174	16
Transborder	3	2	0	0	1	0	0
Other international	1	1	0	0	0	0	0
Total	3,135	2,397	482	20	46	174	16
Timmins							
Domestic	2,321	1,584	343	39	250	105	0
Transborder	20	2	1	0	17	0	0
Other international	0	0	0	0	0	0	0
Total	2,341	1,586	344	39	267	105	0
Val-d'Or							
Domestic	1,342	736	146	146	253	36	25
Transborder	0	0	0	0	0	0	0
Other international	1	1	0	0	0	0	0
Total	1,343	737	146	146	253	36	25
Victoria Harbour							
Domestic	3,806	3,488	25	217	27	49	0
Transborder	442	1	1	1	439	0	0
Other international	0	0	0	0	0	0	0
Total	4,248	3,489	26	218	466	49	0
Wabush							
Domestic	855	626	84	48	68	19	10
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	857	626	84	48	70	19	10
Whitecourt							
Domestic	1,092	43	669	155	180	4	41
Transborder	3	1	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,095	44	669	155	182	4	41
Williams Lake							
Domestic	1,072	458	252	61	279	14	8
Transborder	11	0	0	0	11	0	0
Other international	0	0	0	0	0	0	0
Total	1,083	458	252	61	290	14	8
Total of all flight service stations (54)							
Domestic	97,302	44,096	25,919	8,859	13,638	2,408	2,382
Transborder	2,365	332	64	25	1,941	0	3
Other international	117	49	1	14	45	0	8
Total	99,784	44,477	25,984	8,898	15,624	2,408	2,393

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	15	11,659	9	14	134	8	724
Boundary Bay	5	21,384	12	16	120	21	948
Calgary International	4	21,423	20	18	62	27	837
Calgary/Springbank	11	13,768	2	11	105	4	642
Chicoutimi/St-Honoré	29	6,062	19	15	123	19	476
Edmonton City Centre	26	6,934	14	14	48	14	408
Edmonton International	16	11,254	27	8	39	27	455
Edmonton/Villeneuve	34	4,467	15	9	62	14	339
Gander International	38	3,046	27	15	50	22	227
Halifax/Robert L Stanfield International	22	8,150	7	15	43	7	347
Hamilton	30	5,838	29	14	51	19	440
Kelowna	24	7,279	5	9	57	5	416
Kitchener/Waterloo	18	10,384	26	10	82	26	557
Langley	21	8,289	18	13	92	23	498
London	7	19,946	14	11	100	12	1,144
Moncton/Greater Moncton International	17	10,699	14	10	76	18	692
Montréal/Mirabel International	41	2,068	7	13	35	7	129
Montréal/Pierre Elliott Trudeau International	6	20,336	22	18	65	28	762
Montréal/St-Hubert	3	25,205	4	22	160	4	1,588
Oshawa	23	7,536	5	11	66	4	428
Ottawa/Macdonald-Cartier International	10	14,980	22	10	69	12	636
Pitt Meadows	12	12,725	16	12	111	23	829
Prince George	39	2,655	18	16	28	18	124
Québec/Jean Lesage International	14	12,209	21	15	70	21	617
Regina International	32	5,615	7	11	38	7	283
Saskatoon/John G Diefenbaker International	20	8,975	12	8	59	6	459
Sault Ste. Marie	35	4,431	13	10	58	6	228
St. John's International	37	3,704	13	17	33	13	179
St-Jean	31	5,648	12	19	131	5	678
Thunder Bay	25	7,119	4	13	102	4	470
Toronto/Buttonville Municipal	8	19,031	12	19	114	12	1,037
Toronto/City Centre	19	9,904	29	17	76	27	531
Toronto/Lester B Pearson International	1	37,649	12	18	102	21	1,380
Vancouver Harbour	27	6,877	14	17	34	1	311
Vancouver International	2	35,765	1	17	109	1	1,364
Victoria International	9	15,552	13	18	91	6	715
Whitehorse International	40	2,513	30	16	26	8	130
Windsor	36	4,149	20	18	49	2	256
Winnipeg/James Armstrong Richardson International	13	12,292	1	13	54	1	580
Winnipeg/St. Andrews	28	6,871	8	10	86	7	510
Yellowknife	33	5,365	6	17	39	6	300

Table 8-2
Total aircraft movements, peak hour and peak day — NAV CANADA flight service stations

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	36	1,580	12	11	53	1	120
Campbell River	4	4,731	1	10	83	1	454
Castlegar	40	1,405	28	13	24	18	124
Charlottetown	17	2,788	30	16	40	24	182
Churchill	45	987	11	11	10	11	53
Cranbrook	42	1,267	19	10	15	19	101
Deer Lake	32	1,758	21	21	29	21	97
Fort McMurray	1	6,391	21	17	44	21	310
Fort Nelson	25	1,970	18	17	49	13	113
Fort St John	16	3,111	28	15	26	18	147
Fredericton International	2	5,765	13	20	43	14	424
Grande Prairie	6	4,167	27	14	48	27	297
High Level	35	1,593	21	15	21	21	87
Îles-de-la-Madeleine	52	520	12	13	6	11	28
Inuvik/Mike Zubko	24	2,032	5	10	20	11	104
Iqaluit	20	2,419	22	13	18	22	121
Kamloops	13	3,366	16	16	49	16	286
Kenora	37	1,461	25	19	28	15	113
Kingston	7	4,139	20	17	53	19	300
Kuujuaq	39	1,456	29	8	14	29	78
Kuujuarapik	51	571	13	14	6	15	32
La Grande Rivière	46	976	4	10	9	4	56
La Ronge	28	1,888	12	15	21	25	97
Lethbridge	21	2,367	24	11	36	12	159
Lloydminster	49	844	28	16	22	28	75
Medicine Hat	30	1,777	20	18	24	24	95
Mont-Joli	50	738	30	16	28	31	173
Nanaimo	11	3,615	2	12	52	13	251
Norman Wells	41	1,381	3	18	26	12	80
North Bay	10	3,734	12	14	58	21	263
Ottawa/Gatineau	12	3,471	13	10	51	26	194
Peace River	47	962	21	15	21	7	52
Penticton	8	4,080	27	14	54	13	207
Port Hardy	23	2,255	21	16	18	3	107
Prince Albert	31	1,770	19	13	14	18	93
Prince Rupert	53	473	11	14	10	11	31
Rankin Inlet	38	1,460	21	13	14	8	73
Red Deer Regional	3	5,005	5	15	50	5	328
Rouyn-Noranda	27	1,907	5	17	34	17	130
Saint John	29	1,847	21	17	24	21	149
Sept-Îles	22	2,289	20	11	17	27	115
Sioux Lookout	19	2,573	15	15	18	25	134
Smithers	43	1,240	13	11	12	11	67
St Anthony	54	352	16	11	7	16	24
St Catharines	9	4,065	22	12	62	22	223
Sudbury	14	3,271	6	9	64	6	190
Terrace	33	1,606	17	14	24	17	109
Thompson	15	3,201	12	17	20	12	175
Timmins	18	2,678	26	16	36	11	215
Val-d'Or	34	1,597	1	15	43	1	107
Victoria Harbour	5	4,248	20	8	25	21	191
Wabush	48	871	12	11	12	12	56
Whitecourt	26	1,963	6	10	54	6	167
Williams Lake	44	1,133	30	11	16	5	56

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	23	5,115	10	18	48	26	262
Boundary Bay	11	8,596	22	15	47	22	420
Calgary International	3	21,349	20	18	62	27	831
Calgary/Springbank	16	6,603	15	9	40	23	328
Chicoutimi/St-Honoré	34	2,726	7	9	26	22	176
Edmonton City Centre	17	6,264	14	14	36	14	362
Edmonton International	7	11,063	27	8	39	27	447
Edmonton/Villeneuve	41	1,359	14	9	13	14	97
Gander International	39	2,076	16	9	14	18	117
Halifax/Robert L Stanfield International	14	7,738	7	15	27	20	302
Hamilton	29	3,800	14	11	20	19	194
Kelowna	24	5,107	14	18	26	15	230
Kitchener/Waterloo	21	5,573	16	10	34	6	289
Langley	30	3,782	21	15	28	23	184
London	13	8,302	14	11	40	20	401
Moncton/Greater Moncton International	18	6,057	21	10	32	21	406
Montréal/Mirabel International	40	1,556	29	13	17	20	89
Montréal/Pierre Elliott Trudeau International	4	20,336	22	18	65	28	762
Montréal/St-Hubert	9	9,913	14	13	48	28	536
Oshawa	31	3,464	1	10	28	4	204
Ottawa/Macdonald-Cartier International	5	11,721	22	17	44	21	476
Pitt Meadows	27	4,243	22	11	38	23	253
Prince George	36	2,373	16	12	17	6	112
Québec/Jean Lesage International	12	8,532	27	18	38	27	415
Regina International	28	3,922	27	13	22	28	172
Saskatoon/John G Diefenbaker International	19	5,968	6	11	35	6	283
Sault Ste. Marie	35	2,599	6	12	18	6	132
St. John's International	32	3,458	14	13	15	27	143
St-Jean	25	5,032	12	19	131	5	650
Thunder Bay	22	5,465	18	11	24	13	230
Toronto/Buttonville Municipal	10	9,173	19	16	51	19	487
Toronto/City Centre	20	5,616	30	11	31	20	260
Toronto/Lester B Pearson International	1	37,649	12	18	102	21	1,380
Vancouver Harbour	15	6,877	14	17	34	1	311
Vancouver International	2	35,765	1	17	109	1	1,364
Victoria International	8	10,309	6	11	51	14	455
Whitehorse International	38	2,145	15	16	15	13	96
Windsor	37	2,271	2	10	23	2	158
Winnipeg/James Armstrong Richardson International	6	11,466	7	15	39	1	482
Winnipeg/St. Andrews	33	3,001	7	13	30	7	216
Yellowknife	26	4,858	29	16	24	6	218

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	45	964	1	11	15	1	64
Campbell River	4	3,139	18	12	21	7	165
Castlegar	35	1,285	18	16	16	18	114
Charlottetown	20	2,036	23	12	17	24	122
Churchill	44	981	11	11	10	11	53
Cranbrook	38	1,255	19	10	15	19	101
Deer Lake	27	1,676	18	8	12	8	76
Fort McMurray	1	6,008	14	8	31	14	289
Fort Nelson	23	1,852	19	9	17	13	95
Fort St John	9	2,747	18	18	22	18	147
Fredericton International	3	3,839	22	11	25	22	259
Grande Prairie	6	2,967	14	11	21	14	174
High Level	33	1,397	18	12	15	6	79
Îles-de-la-Madeleine	52	520	12	13	6	11	28
Inuvik/Mike Zubko	21	1,986	19	15	12	11	104
Iqaluit	17	2,303	11	14	16	26	112
Kamloops	11	2,676	16	18	22	16	160
Kenora	37	1,277	11	12	13	11	65
Kingston	16	2,334	9	10	20	12	126
Kuujuuaq	31	1,414	25	13	12	29	70
Kuujuuarapik	51	571	13	14	6	15	32
La Grande Rivière	46	952	4	10	9	4	56
La Ronge	24	1,756	12	15	19	25	93
Lethbridge	28	1,671	13	12	14	12	89
Lloydminster	49	714	19	8	9	28	45
Medicine Hat	39	1,249	3	10	15	4	63
Mont-Joli	50	598	31	12	17	31	111
Nanaimo	12	2,607	2	12	26	2	152
Norman Wells	36	1,279	25	14	12	25	61
North Bay	22	1,868	15	11	15	12	113
Ottawa/Gatineau	26	1,677	16	15	15	23	95
Peace River	47	892	17	21	13	7	52
Penticton	8	2,773	5	17	25	18	156
Port Hardy	18	2,253	21	16	18	3	107
Prince Albert	25	1,726	19	13	14	19	90
Prince Rupert	53	473	11	14	10	11	31
Rankin Inlet	30	1,454	29	13	13	8	73
Red Deer Regional	7	2,869	10	12	29	10	173
Rouyn-Noranda	40	1,219	17	11	10	17	66
Saint John	29	1,613	23	17	16	21	101
Sept-Îles	19	2,191	20	11	17	26	105
Sioux Lookout	13	2,518	25	8	16	25	132
Smithers	41	1,216	13	11	12	11	67
St Anthony	54	352	16	11	7	16	24
St Catharines	14	2,401	27	14	23	27	136
Sudbury	10	2,730	21	13	16	20	135
Terrace	32	1,404	5	10	12	7	79
Thompson	5	3,135	12	17	20	12	175
Timmins	15	2,341	19	12	15	19	126
Val-d'Or	34	1,343	27	17	13	27	78
Victoria Harbour	2	4,248	20	8	25	21	191
Wabush	48	857	12	11	8	12	42
Whitecourt	42	1,095	14	15	15	14	80
Williams Lake	43	1,083	18	9	12	5	56

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	7	6,544	9	14	124	8	520
Boundary Bay	2	12,788	20	11	88	21	706
Calgary International	37	74	8	15	10	8	10
Calgary/Springbank	6	7,165	2	11	66	19	388
Chicoutimi/St-Honoré	16	3,336	19	15	112	19	360
Edmonton City Centre	28	670	24	19	18	14	46
Edmonton International	36	191	19	15	12	19	26
Edmonton/Villeneuve	18	3,108	15	9	58	14	242
Gander International	26	970	27	15	44	22	122
Halifax/Robert L Stanfield International	32	412	7	15	16	7	60
Hamilton	21	2,038	29	14	38	19	246
Kelowna	20	2,172	5	9	44	5	214
Kitchener/Waterloo	9	4,811	11	22	54	25	322
Langley	11	4,507	18	13	70	23	314
London	3	11,644	15	22	78	12	754
Moncton/Greater Moncton International	10	4,642	14	15	52	14	326
Montréal/Mirabel International	30	512	7	13	28	25	68
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	1	15,292	4	22	148	4	1,244
Oshawa	13	4,072	5	11	54	14	274
Ottawa/Macdonald-Cartier International	17	3,259	13	11	38	28	192
Pitt Meadows	5	8,482	16	12	90	23	576
Prince George	34	282	18	16	18	19	44
Québec/Jean Lesage International	15	3,677	6	9	50	26	248
Regina International	24	1,693	7	11	30	7	128
Saskatoon/John G Diefenbaker International	19	3,007	17	16	44	29	203
Sault Ste. Marie	23	1,832	13	10	44	25	110
St. John's International	35	246	13	17	24	13	48
St-Jean	29	616	7	13	26	4	80
Thunder Bay	25	1,654	4	13	92	4	322
Toronto/Buttonville Municipal	4	9,858	19	15	78	12	560
Toronto/City Centre	12	4,288	29	17	48	27	290
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	8	5,243	9	11	58	6	296
Whitehorse International	33	368	2	19	20	3	46
Windsor	22	1,878	20	18	40	12	128
Winnipeg/James Armstrong Richardson International	27	826	14	16	20	1	98
Winnipeg/St. Andrews	14	3,870	8	10	70	28	296
Yellowknife	31	507	17	12	28	6	82

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	16	616	12	11	38	7	66
Campbell River	7	1,592	1	10	78	1	342
Castlegar	30	120	28	13	20	28	30
Charlottetown	12	752	30	16	32	29	74
Churchill	48	6	29	20	6	29	6
Cranbrook	46	12	3	8	6	3	6
Deer Lake	35	82	21	21	24	21	36
Fort McMurray	19	383	10	19	24	21	71
Fort Nelson	31	118	18	17	48	18	48
Fort St John	20	364	2	14	22	2	36
Fredericton International	2	1,926	13	20	32	14	210
Grande Prairie	9	1,200	11	10	40	27	150
High Level	25	196	12	16	14	21	40
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	40	46	5	10	12	5	12
Iqaluit	32	116	17	18	10	17	26
Kamloops	14	690	16	16	34	16	126
Kenora	26	184	25	19	24	25	56
Kingston	4	1,805	20	17	40	19	194
Kuujuaq	42	42	2	9	4	5	8
Kuujuarapik	0	0	0	0	0	0	0
La Grande Rivière	44	24	27	20	6	27	10
La Ronge	28	132	1	10	10	1	20
Lethbridge	13	696	24	11	28	12	70
Lloydminster	29	130	5	9	18	28	30
Medicine Hat	18	528	20	18	20	24	52
Mont-Joli	27	140	30	16	12	31	62
Nanaimo	10	1,008	14	10	30	13	136
Norman Wells	33	102	3	18	20	12	34
North Bay	3	1,866	12	14	46	31	174
Ottawa/Gatineau	5	1,794	13	10	42	27	124
Peace River	36	70	21	15	14	21	14
Penticton	8	1,307	27	14	50	11	110
Port Hardy	49	2	25	12	2	25	2
Prince Albert	41	44	6	13	4	6	8
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	47	6	21	13	4	21	4
Red Deer Regional	1	2,136	5	15	38	5	174
Rouyn-Noranda	15	688	5	17	26	17	64
Saint John	23	234	21	17	16	21	48
Sept-Îles	34	98	4	19	12	27	14
Sioux Lookout	38	55	13	20	8	10	16
Smithers	43	24	2	16	10	2	10
St Anthony	0	0	0	0	0	0	0
St Catharines	6	1,664	22	12	48	22	140
Sudbury	17	541	6	9	57	6	71
Terrace	24	202	17	16	20	17	54
Thompson	37	66	27	20	10	27	12
Timmins	21	337	29	21	30	11	125
Val-d'Or	22	254	1	15	40	1	76
Victoria Harbour	0	0	0	0	0	0	0
Wabush	45	14	12	12	10	12	14
Whitecourt	11	868	6	10	48	6	122
Williams Lake	39	50	30	11	10	30	20

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	7	5,758	9	11	98	27	372
Boundary Bay	2	12,788	20	11	88	21	706
Calgary International	37	71	8	15	10	8	10
Calgary/Springbank	6	7,165	2	11	66	19	388
Chicoutimi/St-Honoré	16	3,328	19	15	112	19	356
Edmonton City Centre	27	650	24	19	18	14	46
Edmonton International	36	187	19	15	12	19	26
Edmonton/Villeneuve	18	3,108	15	9	58	14	242
Gander International	26	768	27	15	42	22	120
Halifax/Robert L Stanfield International	33	354	7	15	16	7	50
Hamilton	21	1,984	19	21	36	19	246
Kelowna	20	2,166	5	9	44	5	214
Kitchener/Waterloo	9	4,791	11	22	54	25	316
Langley	11	4,507	18	13	70	23	314
London	3	11,638	15	22	78	12	754
Moncton/Greater Moncton International	10	4,641	14	15	52	14	326
Montréal/Mirabel International	30	496	7	13	28	25	68
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	1	15,292	4	22	148	4	1,244
Oshawa	13	4,072	5	11	54	14	274
Ottawa/Macdonald-Cartier International	17	3,246	13	11	38	28	192
Pitt Meadows	5	8,482	16	12	90	23	576
Prince George	34	282	18	16	18	19	44
Québec/Jean Lesage International	15	3,669	6	9	50	26	248
Regina International	24	1,659	7	11	30	7	128
Saskatoon/John G Diefenbaker International	19	2,959	17	16	44	29	203
Sault Ste. Marie	23	1,818	13	10	44	12	108
St. John's International	35	244	13	17	24	13	48
St-Jean	29	616	7	13	26	4	80
Thunder Bay	25	1,624	4	13	92	4	322
Toronto/Buttonville Municipal	4	9,858	19	15	78	12	560
Toronto/City Centre	12	4,288	29	17	48	27	290
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	8	5,162	9	11	58	6	296
Whitehorse International	32	362	2	19	20	3	46
Windsor	22	1,878	20	18	40	12	128
Winnipeg/James Armstrong Richardson International	28	626	14	16	20	1	60
Winnipeg/St. Andrews	14	3,864	8	10	70	28	296
Yellowknife	31	383	17	12	28	3	56

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	16	572	14	11	38	7	66
Campbell River	7	1,592	1	10	78	1	342
Castlegar	29	120	28	13	20	28	30
Charlottetown	12	752	30	16	32	29	74
Churchill	47	6	29	20	6	29	6
Cranbrook	46	12	3	8	6	3	6
Deer Lake	35	70	21	21	24	21	36
Fort McMurray	19	383	10	19	24	21	71
Fort Nelson	30	118	18	17	48	18	48
Fort St John	20	364	2	14	22	2	36
Fredericton International	2	1,920	13	20	32	14	208
Grande Prairie	9	1,200	11	10	40	27	150
High Level	25	196	12	16	14	21	40
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	40	46	5	10	12	5	12
Iqaluit	31	116	17	18	10	17	26
Kamloops	14	684	16	16	34	16	126
Kenora	32	108	25	19	24	25	42
Kingston	4	1,805	20	17	40	19	194
Kuujuaq	42	42	2	9	4	5	8
Kuujuarapik	0	0	0	0	0	0	0
La Grande Rivière	43	24	27	20	6	27	10
La Ronge	27	132	1	10	10	1	20
Lethbridge	15	666	24	11	28	12	70
Lloydminster	28	130	5	9	18	28	30
Medicine Hat	18	516	20	18	20	24	52
Mont-Joli	26	140	30	16	12	31	62
Nanaimo	10	952	14	10	30	13	136
Norman Wells	33	102	3	18	20	12	34
North Bay	3	1,852	12	14	46	31	174
Ottawa/Gatineau	5	1,794	13	10	42	27	124
Peace River	37	64	21	15	14	21	14
Penticton	8	1,307	27	14	50	11	110
Port Hardy	49	2	25	12	2	25	2
Prince Albert	41	44	6	13	4	6	8
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	48	6	21	13	4	21	4
Red Deer Regional	1	2,136	5	15	38	5	174
Rouyn-Noranda	13	688	5	17	26	17	64
Saint John	23	234	21	17	16	21	48
Sept-Îles	34	98	4	19	12	27	14
Sioux Lookout	38	55	13	20	8	10	16
Smithers	44	24	2	16	10	2	10
St Anthony	0	0	0	0	0	0	0
St Catharines	6	1,664	22	12	48	22	140
Sudbury	17	541	6	9	57	6	71
Terrace	24	202	17	16	20	17	54
Thompson	36	66	27	20	10	27	12
Timmins	21	337	29	21	30	11	125
Val-d'Or	22	254	1	15	40	1	76
Victoria Harbour	0	0	0	0	0	0	0
Wabush	45	14	12	12	10	12	14
Whitecourt	11	868	6	10	48	6	122
Williams Lake	39	50	30	11	10	30	20

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	1	786	8	16	90	10	246
Boundary Bay	0	0	0	0	0	0	0
Calgary International	23	3	1	12	3	1	3
Calgary/Springbank	0	0	0	0	0	0	0
Chicoutimi/St-Honoré	17	8	19	17	4	19	4
Edmonton City Centre	11	20	6	9	4	6	6
Edmonton International	22	4	15	9	2	15	2
Edmonton/Villeneuve	0	0	0	0	0	0	0
Gander International	2	202	14	8	14	7	30
Halifax/Robert L Stanfield International	6	58	26	22	10	26	16
Hamilton	7	54	29	14	36	29	36
Kelowna	19	6	11	14	2	29	4
Kitchener/Waterloo	12	20	25	14	6	20	6
Langley	0	0	0	0	0	0	0
London	18	6	2	9	6	2	6
Moncton/Greater Moncton International	25	1	20	8	1	20	1
Montréal/Mirabel International	13	16	21	12	7	21	7
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	15	13	8	10	6	8	6
Pitt Meadows	0	0	0	0	0	0	0
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	16	8	6	10	3	6	3
Regina International	9	34	29	18	8	29	10
Saskatoon/John G Diefenbaker International	8	48	7	19	10	1	10
Sault Ste. Marie	14	14	26	14	10	26	10
St. John's International	24	2	8	19	2	8	2
St-Jean	0	0	0	0	0	0	0
Thunder Bay	10	30	29	12	12	29	12
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	5	81	3	17	22	11	38
Whitehorse International	20	6	30	10	4	30	4
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	3	200	28	21	14	1	38
Winnipeg/St. Andrews	21	6	6	14	2	6	4
Yellowknife	4	124	6	8	12	6	30

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	44	12	11	14	12	22
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	6	12	19	10	12	19	12
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	8	6	6	16	2	6	4
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	10	6	14	12	6	14	6
Kenora	1	76	15	15	18	15	30
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	4	30	17	22	18	17	30
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	7	12	28	13	6	6	6
Mont-Joli	0	0	0	0	0	0	0
Nanaimo	2	56	23	9	10	23	56
Norman Wells	0	0	0	0	0	0	0
North Bay	5	14	3	19	14	3	14
Ottawa/Gatineau	0	0	0	0	0	0	0
Peace River	9	6	4	13	6	4	6
Penticton	0	0	0	0	0	0	0
Port Hardy	0	0	0	0	0	0	0
Prince Albert	0	0	0	0	0	0	0
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	0	0	0	0	0	0	0
Rouyn-Noranda	0	0	0	0	0	0	0
Saint John	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	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. 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

Sudbury, Ontario – Air Traffic Control Tower was closed in June 2008.

Sudbury, Ontario – Flight Service Station was opened in June 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.