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



July 2008



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Statistics Canada
Transportation Division

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

July 2008

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Symbols

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- . not available for any reference period
- .. not available for a specific reference period
- ... not applicable
- 0 true zero or a value rounded to zero
- 0^s value rounded to 0 (zero) where there is a meaningful distinction between true zero and the value that was rounded
- p preliminary
- r revised
- x suppressed to meet the confidentiality requirements of the *Statistics Act*
- E use with caution
- F too unreliable to be published

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Highlights

- Aircraft take-offs and landings at Canadian airports with NAV CANADA air traffic control towers and flight service stations increased (+4.6%) in July 2008 compared to July 2007. These 95 airports reported 631,455 movements in July 2008 compared with 603,909 movements in July 2007.
- Itinerant movements (flights from one airport to another) grew 3.3% (+14,101 movements) in July 2008 compared with the same month a year earlier.
- Local movements (flights that remain in the vicinity of the airport) rose by 7.7% (+13,445 movements) in July 2008 compared with July 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 July 2008/ July 2007 percent	number	Change from July 2008/ July 2007 percent	number	Change from July 2008/ July 2007 percent
Grand total	496,349	3.0	135,106	10.6	631,455	4.6
Itinerant movements						
Air carriers	233,954	3.3	72,176	5.9	306,130	3.9
Other commercial movements	53,325	14.9	9,767	14.6	63,092	14.8
Private movements	42,013	-7.2	15,024	-11.4	57,037	-8.4
Government civil movements	5,144	3.1	2,723	0.2	7,867	2.1
Government military movements	7,376	-8.5	2,244	5.5	9,620	-5.6
Itinerant total	341,812	3.2	101,934	3.5	443,746	3.3
Local movements						
Civil local movements	153,269	2.9	32,862	40.7	186,131	8.0
Military local movements	1,268	-21.9	310	-6.1	1,578	-19.2
Local total	154,537	2.6	33,172	40.1	187,709	7.7

Analysis

Aircraft take-offs and landings at Canadian airports with NAV CANADA air traffic control towers and flight service stations increased (+4.6%) in July 2008 compared to July 2007. These 95 airports reported 631,455 movements in July 2008 compared with 603,909 movements in July 2007.

Itinerant movements (flights from one airport to another) grew 3.3% (+14,101 movements) in July 2008 compared with the same month a year earlier.

Local movements (flights that remain in the vicinity of the airport) rose by 7.7% (+13,445 movements) in July 2008 compared with July 2007.

Airports with NAV CANADA air traffic control towers

The 42 Canadian airports with NAV CANADA air traffic control towers reported 496,349 aircraft take-offs and landings in July, up 3.0% compared with July 2007. Year-over-year increases in aircraft movements were reported by 21 of these airports in July 2008. The variations ranged from an increase of 80.5% at London, Ontario to a decline of 28.6% at Winnipeg/St. Andrews, Manitoba.

Itinerant movements (flights from one airport to another) increased 3.2% in July compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 39.4% increase (+2,401 movements) at London, Ontario to a decline of 19.8% (-894 movements) at Winnipeg/St. Andrews, Manitoba.

Local movements (flights that remain in the vicinity of the airport) increased (+2.6%) up by 3,957 movements in July compared with July 2007. London, Ontario recorded the largest gain in local movements, increasing by 6,504 movements (+130.6%) while Winnipeg/St. Andrews, Manitoba reported 2,988 fewer movements (-33.0%) compared with July 2007.

Airports with NAV CANADA flight service stations

The 53 Canadian airports with NAV CANADA flight service stations reported 135,106 aircraft take-offs and landings in July, up 10.6% (+12,957 movements) compared with July 2007. Year-over-year increases in aircraft movements were reported by 28 of these airports in July 2008. The variations ranged from a 173.2% increase (+4,097 movements) at Fredericton International, New Brunswick to a decline of -33.0% (-428 movements) at Peace River, Alberta.

Itinerant movements (flights from one airport to another) increased by 3.5% (+3,469 movements) in July 2008 compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 102.6% increase (+2,022 movements) at Fredericton International, New Brunswick to a decline of 24.6% (-278 movements) at Peace River, Alberta.

Local movements (flights that remain in the vicinity of the airport) recorded in July 2008 grew by 40.1% (+9,488 movements) compared with the same month a year earlier. Campbell River, British Columbia recorded the largest gain in local movements, increasing by 3,843 movements (+341.9%) compared with July 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	14	13,523	22	5,891	7	7,632
Boundary Bay	4	21,589	9	9,237	1	12,352
Calgary International	3	22,319	3	22,194	38	125
Calgary/Springbank	11	14,599	18	6,629	6	7,970
Chicoutimi/St-Honoré	30	6,918	38	2,616	16	4,302
Edmonton City Centre	28	7,426	20	6,448	27	978
Edmonton International	18	11,813	7	11,320	34	493
Edmonton/Villeneuve	36	4,707	42	1,377	19	3,330
Gander International	35	5,599	35	2,989	23	2,610
Halifax/Robert L Stanfield International	27	8,450	15	7,687	30	763
Hamilton	32	6,099	31	4,089	25	2,010
Kelowna	25	9,203	25	5,411	18	3,792
Kitchener/Waterloo	13	13,566	21	6,328	8	7,238
Langley	21	10,389	28	4,699	12	5,690
London	7	19,970	14	8,488	3	11,482
Moncton/Greater Moncton International	12	13,721	16	7,170	9	6,551
Montréal/Mirabel International	42	2,104	41	1,671	35	433
Montréal/Pierre Elliott Trudeau International	6	20,360	4	20,360	0	0
Montréal/St-Hubert	5	20,524	12	8,668	2	11,856
Oshawa	19	10,671	29	4,341	10	6,330
Ottawa/Macdonald-Cartier International	9	16,768	5	12,411	15	4,357
Pitt Meadows	15	12,956	27	4,764	5	8,192
Prince George	40	3,072	37	2,758	37	314
Québec/Jean Lesage International	17	11,865	10	8,772	21	3,093
Regina International	31	6,116	30	4,113	26	2,003
Saskatoon/John G Diefenbaker International	20	10,574	19	6,475	17	4,099
Sault Ste. Marie	34	5,793	34	3,005	22	2,788
St. John's International	38	3,838	33	3,520	36	318
St-Jean	24	9,428	13	8,518	28	910
Sudbury	39	3,597	36	2,814	29	783
Thunder Bay	26	8,855	23	5,756	20	3,099
Toronto/Buttonville Municipal	8	18,040	11	8,716	4	9,324
Toronto/City Centre	22	10,077	24	5,477	14	4,600
Toronto/Lester B Pearson International	1	38,487	1	38,487	0	0
Vancouver Harbour	29	7,146	17	7,140	39	6
Vancouver International	2	35,087	2	35,087	0	0
Victoria International	10	15,850	8	11,241	13	4,609
Whitehorse International	41	2,797	40	2,161	31	636
Windsor	37	4,454	39	2,238	24	2,216
Winnipeg/James Armstrong Richardson International	16	12,455	6	11,843	32	612
Winnipeg/St. Andrews	23	9,693	32	3,619	11	6,074
Yellowknife	33	5,851	26	5,284	33	567
Total of NAV CANADA towers (42)	.	496,349	.	341,812	.	154,537

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

	Total		Itinerant		Local	
	Rank of movements	Number of movements	Rank of movements	Number of movements	Rank of movements	Number of movements
Brandon Municipal	29	1,793	44	1,039	15	754
Campbell River	1	8,657	4	3,690	1	4,967
Castlegar	36	1,560	38	1,200	18	360
Charlottetown	12	3,637	13	2,365	11	1,272
Churchill	47	958	46	956	49	2
Cranbrook	39	1,456	37	1,215	25	241
Deer Lake	25	2,092	22	1,964	35	128
Fort McMurray	2	7,865	1	7,159	16	706
Fort Nelson	26	2,021	26	1,827	26	194
Fort St John	16	2,807	11	2,498	22	309
Fredericton International	4	6,463	3	3,992	3	2,471
Grande Prairie	8	4,123	7	3,161	14	962
High Level	33	1,692	30	1,542	31	150
Îles-de-la-Madeleine	51	480	51	480	0	0
Inuvik/Mike Zubko	24	2,132	20	2,056	38	76
Iqaluit	19	2,589	15	2,343	24	246
Kamloops	6	4,270	8	3,108	12	1,162
Kenora	41	1,335	36	1,257	37	78
Kingston	13	3,487	18	2,071	5	1,416
Kuujuuaq	42	1,311	40	1,177	33	134
Kuujuuarapik	49	605	49	605	0	0
La Grande Rivière	46	1,073	43	1,059	46	14
La Ronge	23	2,229	19	2,061	30	168
Lethbridge	9	4,106	9	2,793	10	1,313
Lloydminster	44	1,278	47	952	20	326
Medicine Hat	40	1,451	41	1,135	21	316
Mont-Joli	52	419	53	365	40	54
Nanaimo	10	3,717	10	2,681	13	1,036
Norman Wells	32	1,722	29	1,550	29	172
North Bay	7	4,206	24	1,900	4	2,306
Ottawa/Gatineau	17	2,791	33	1,395	6	1,396
Peace River	48	868	48	854	47	14
Penticton	11	3,684	14	2,354	9	1,330
Port Hardy	27	2,017	21	2,015	48	2
Prince Albert	28	1,972	23	1,920	41	52
Prince Rupert	50	556	50	514	43	42
Rankin Inlet	31	1,753	27	1,713	44	40
Red Deer Regional	3	7,821	5	3,479	2	4,342
Rouyn-Noranda	38	1,468	42	1,092	17	376
Saint John	30	1,773	28	1,585	27	188
Sept-Îles	20	2,495	17	2,241	23	254
Sioux Lookout	21	2,492	12	2,441	42	51
Smithers	43	1,281	39	1,191	36	90
St Anthony	53	368	52	368	0	0
St Catharines	15	3,226	25	1,842	7	1,384
Terrace	34	1,646	31	1,462	28	184
Thompson	14	3,229	6	3,169	39	60
Timmins	22	2,301	16	2,263	45	38
Val-d'Or	35	1,646	35	1,288	19	358
Victoria Harbour	5	4,816	2	4,816	0	0
Wabush	45	1,137	45	1,005	34	132
Whitecourt	18	2,684	34	1,316	8	1,368
Williams Lake	37	1,548	32	1,410	32	138
Total of all flight service stations (53)	.	135,106	.	101,934	.	33,172

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	13,448	4,130	1,712	7,606	75	49	26
Boundary Bay	21,571	7,316	1,903	12,352	18	18	0
Calgary International	22,102	20,223	1,754	125	217	217	0
Calgary/Springbank	14,571	4,609	1,993	7,969	28	27	1
Chicoutimi/St-Honoré	6,902	2,436	172	4,294	16	8	8
Edmonton City Centre	7,246	4,380	1,966	900	180	102	78
Edmonton International	11,627	10,784	411	432	186	125	61
Edmonton/Villeneuve	4,707	1,005	372	3,330	0	0	0
Gander International	5,105	2,211	508	2,386	494	270	224
Halifax/Robert L. Stanfield International	8,078	7,074	411	593	372	202	170
Hamilton	6,073	3,244	835	1,994	26	10	16
Kelowna	9,155	4,309	1,070	3,776	48	32	16
Kitchener/Waterloo	13,538	5,151	1,155	7,232	28	22	6
Langley	10,375	3,151	1,534	5,690	14	14	0
London	19,970	6,746	1,742	11,482	0	0	0
Moncton/Greater Moncton International	13,685	6,400	738	6,547	36	32	4
Montréal/Mirabel International	2,022	1,176	425	421	82	70	12
Montréal/Pierre Elliott Trudeau International	20,330	18,586	1,744	0	30	30	0
Montréal/St-Hubert	20,366	6,995	1,515	11,856	158	158	0
Oshawa	10,667	3,561	776	6,330	4	4	0
Ottawa/Macdonald-Cartier International	16,545	10,953	1,253	4,339	223	205	18
Pitt Meadows	12,954	3,166	1,596	8,192	2	2	0
Prince George	3,066	2,042	710	314	6	6	0
Québec/Jean Lesage International	11,631	6,854	1,687	3,090	234	231	3
Regina International	5,733	3,097	728	1,908	383	288	95
Saskatoon/John G. Diefenbaker International	10,363	5,354	1,006	4,003	211	115	96
Sault Ste. Marie	5,754	2,656	320	2,778	39	29	10
St. John's International	3,601	3,027	262	312	237	231	6
St-Jean	5,527	629	3,988	910	3,901	3,901	0
Sudbury	3,573	2,169	621	783	24	24	0
Thunder Bay	8,714	5,036	619	3,059	141	101	40
Toronto/Buttonville Municipal	18,038	6,164	2,550	9,324	2	2	0
Toronto/City Centre	10,073	4,684	789	4,600	4	4	0
Toronto/Lester B. Pearson International	38,481	37,220	1,261	0	6	6	0
Vancouver Harbour	7,142	7,029	107	6	4	4	0
Vancouver International	35,049	33,184	1,865	0	38	38	0
Victoria International	15,706	8,890	2,277	4,539	144	74	70
Whitehorse International	2,793	1,520	637	636	4	4	0
Windsor	4,448	1,827	405	2,216	6	6	0
Winnipeg/James Armstrong Richardson International	11,722	10,372	920	430	733	551	182
Winnipeg/St. Andrews	9,675	3,196	405	6,074	18	18	0
Yellowknife	5,579	4,723	415	441	272	146	126
Total of NAV CANADA towers (42)	487,705	287,279	47,157	153,269	8,644	7,376	1,268

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	1,545	570	293	682	248	176	72
Campbell River	8,631	2,576	1,088	4,967	26	26	0
Castlegar	1,550	1,067	123	360	10	10	0
Charlottetown	3,585	1,932	393	1,260	52	40	12
Churchill	938	882	54	2	20	20	0
Cranbrook	1,435	922	276	237	21	17	4
Deer Lake	2,066	1,822	116	128	26	26	0
Fort McMurray	7,844	6,353	785	706	21	21	0
Fort Nelson	1,934	1,433	307	194	87	87	0
Fort St John	2,805	2,041	455	309	2	2	0
Fredericton International	6,183	3,364	410	2,409	280	218	62
Grande Prairie	4,122	2,572	588	962	1	1	0
High Level	1,670	1,391	129	150	22	22	0
Îles-de-la-Madeleine	449	368	81	0	31	31	0
Inuvik/Mike Zubko	2,111	1,910	125	76	21	21	0
Iqaluit	2,537	2,040	267	230	52	36	16
Kamloops	4,256	2,482	612	1,162	14	14	0
Kenora	1,246	840	346	60	89	71	18
Kingston	3,409	1,447	554	1,408	78	70	8
Kuujuuaq	1,303	1,072	97	134	8	8	0
Kuujuarapik	595	586	9	0	10	10	0
La Grande Rivière	1,069	991	64	14	4	4	0
La Ronge	2,101	1,528	405	168	128	128	0
Lethbridge	3,996	1,967	718	1,311	110	108	2
Lloydminster	1,254	457	471	326	24	24	0
Medicine Hat	1,418	776	326	316	33	33	0
Mont-Joli	413	274	85	54	6	6	0
Nanaimo	3,707	1,480	1,197	1,030	10	4	6
Norman Wells	1,712	1,389	151	172	10	10	0
North Bay	4,138	1,391	475	2,272	68	34	34
Ottawa/Gatineau	2,746	797	573	1,376	45	25	20
Peace River	857	719	130	8	11	5	6
Penticton	3,575	1,598	657	1,320	109	99	10
Port Hardy	1,995	1,742	251	2	22	22	0
Prince Albert	1,926	1,575	299	52	46	46	0
Prince Rupert	544	405	97	42	12	12	0
Rankin Inlet	1,753	1,672	41	40	0	0	0
Red Deer Regional	7,773	2,680	751	4,342	48	48	0
Rouyn-Noranda	1,468	885	207	376	0	0	0
Saint John	1,755	1,171	396	188	18	18	0
Sept-Îles	2,481	1,921	306	254	14	14	0
Sioux Lookout	2,486	2,269	166	51	6	6	0
Smithers	1,281	1,024	167	90	0	0	0
St Anthony	368	339	29	0	0	0	0
St Catharines	2,658	664	610	1,384	568	568	0
Terrace	1,646	1,347	115	184	0	0	0
Thompson	3,193	2,893	240	60	36	36	0
Timmins	2,284	1,940	306	38	17	17	0
Val-d'Or	1,640	1,063	219	358	6	6	0
Victoria Harbour	4,806	4,229	577	0	10	10	0
Wabush	1,123	858	133	132	14	14	0
Whitecourt	2,676	1,145	163	1,368	8	8	0
Williams Lake	1,496	1,084	314	98	52	12	40
Total of all flight service stations (53)	132,552	81,943	17,747	32,862	2,554	2,244	310

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	5,891	580	2,382	1,168	1,457	255	49	
Boundary Bay	9,237	14	1,521	5,781	1,854	49	18	
Calgary International	22,194	18,298	1,325	600	1,618	136	217	
Calgary/Springbank	6,629	75	907	3,627	1,972	21	27	
Chicoutimi/St-Honoré	2,616	9	1,847	580	168	4	8	
Edmonton City Centre	6,448	1,731	797	1,852	1,533	433	102	
Edmonton International	11,320	10,421	257	106	376	35	125	
Edmonton/Villeneuve	1,377	9	230	766	363	9	0	
Gander International	2,989	591	1,545	75	441	67	270	
Halifax/Robert L. Stanfield International	7,687	6,507	492	75	366	45	202	
Hamilton	4,089	1,994	1,028	222	613	222	10	
Kelowna	5,411	2,664	295	1,350	933	137	32	
Kitchener/Waterloo	6,328	418	3,325	1,408	1,139	16	22	
Langley	4,699	140	168	2,843	1,521	13	14	
London	8,488	1,340	1,608	3,798	1,685	57	0	
Moncton/Greater Moncton International	7,170	1,986	4,224	190	473	265	32	
Montréal/Mirabel International	1,671	729	368	79	393	32	70	
Montréal/Pierre Elliott Trudeau International	20,360	17,108	649	829	1,504	240	30	
Montréal/St-Hubert	8,668	3,584	711	2,700	1,426	89	158	
Oshawa	4,341	159	85	3,317	770	6	4	
Ottawa/Macdonald-Cartier International	12,411	7,769	519	2,665	698	555	205	
Pitt Meadows	4,764	50	1,039	2,077	1,578	18	2	
Prince George	2,758	1,359	576	107	555	155	6	
Québec/Jean Lesage International	8,772	4,153	964	1,737	1,276	411	231	
Regina International	4,113	2,061	944	92	567	161	288	
Saskatoon/John G. Diefenbaker International	6,475	3,390	1,364	600	697	309	115	
Sault Ste. Marie	3,005	887	194	1,575	269	51	29	
St. John's International	3,520	2,270	685	72	209	53	231	
St-Jean	8,518	124	122	383	3,956	32	3,901	
Sudbury	2,814	1,403	677	89	441	180	24	
Thunder Bay	5,756	3,011	917	1,108	453	166	101	
Toronto/Buttonville Municipal	8,716	320	778	5,066	2,514	36	2	
Toronto/City Centre	5,477	1,372	1,304	2,008	769	20	4	
Toronto/Lester B. Pearson International	38,487	36,560	496	164	1,229	32	6	
Vancouver Harbour	7,140	5,532	648	849	104	3	4	
Vancouver International	35,087	29,210	2,882	1,092	1,594	271	38	
Victoria International	11,241	3,720	4,052	1,118	2,224	53	74	
Whitehorse International	2,161	913	552	55	611	26	4	
Windsor	2,238	547	1,168	112	395	10	6	
Winnipeg/James Armstrong Richardson International	11,843	9,722	563	87	594	326	551	
Winnipeg/St. Andrews	3,619	450	1,877	869	403	2	18	
Yellowknife	5,284	4,131	558	34	272	143	146	
Total of NAV CANADA towers (42)	341,812	187,311	46,643	53,325	42,013	5,144	7,376	

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	1,039	118	313	139	272	21	176
Campbell River	3,690	795	696	1,085	1,055	33	26
Castlegar	1,200	315	558	194	107	16	10
Charlottetown	2,365	1,069	230	633	312	81	40
Churchill	956	817	59	6	26	28	20
Cranbrook	1,215	584	280	58	273	3	17
Deer Lake	1,964	1,295	335	192	68	48	26
Fort McMurray	7,159	3,662	2,142	549	763	22	21
Fort Nelson	1,827	327	581	525	303	4	87
Fort St John	2,498	822	1,010	209	433	22	2
Fredericton International	3,992	918	2,367	79	225	185	218
Grande Prairie	3,161	1,198	1,297	77	554	34	1
High Level	1,542	196	1,121	74	115	14	22
Îles-de-la-Madeleine	480	354	0	14	42	39	31
Inuvik/Mike Zubko	2,056	485	1,419	6	57	68	21
Iqaluit	2,343	1,409	461	170	137	130	36
Kamloops	3,108	1,124	1,071	287	506	106	14
Kenora	1,257	385	412	43	312	34	71
Kingston	2,071	516	390	541	464	90	70
Kuujuuaq	1,177	879	183	10	55	42	8
Kuujuuarapik	605	465	83	38	3	6	10
La Grande Rivière	1,059	684	244	63	44	20	4
La Ronge	2,061	1,372	134	22	131	274	128
Lethbridge	2,793	529	113	1,325	709	9	108
Lloydminster	952	138	287	32	453	18	24
Medicine Hat	1,135	617	115	44	308	18	33
Mont-Joli	365	255	17	2	73	12	6
Nanaimo	2,681	603	560	317	1,159	38	4
Norman Wells	1,550	910	458	21	110	41	10
North Bay	1,900	451	550	390	447	28	34
Ottawa/Gatineau	1,395	162	272	363	507	66	25
Peace River	854	387	315	17	104	26	5
Penticton	2,354	523	921	154	641	16	99
Port Hardy	2,015	1,613	98	31	177	74	22
Prince Albert	1,920	1,345	160	70	121	178	46
Prince Rupert	514	333	68	4	66	31	12
Rankin Inlet	1,713	1,195	452	25	27	14	0
Red Deer Regional	3,479	243	2,153	284	717	34	48
Rouyn-Noranda	1,092	531	154	200	181	26	0
Saint John	1,585	850	213	108	388	8	18
Sept-Îles	2,241	1,253	510	158	198	108	14
Sioux Lookout	2,441	1,795	467	7	152	14	6
Smithers	1,191	469	427	128	141	26	0
St Anthony	368	260	20	59	21	8	0
St Catharines	1,842	8	556	100	576	34	568
Terrace	1,462	568	717	62	80	35	0
Thompson	3,169	2,438	439	16	51	189	36
Timmins	2,263	1,611	297	32	194	112	17
Val-d'Or	1,288	714	243	106	166	53	6
Victoria Harbour	4,816	3,993	42	194	460	117	10
Wabush	1,005	663	161	34	92	41	14
Whitecourt	1,316	40	804	301	153	10	8
Williams Lake	1,410	462	453	169	295	19	12
Total of all flight service stations (53)	101,934	44,748	27,428	9,767	15,024	2,723	2,244

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	5,891	1,441	24.4	4,450	75.5	1,454
Boundary Bay	9,237	298	3.2	8,939	96.7	615
Calgary International	22,194	20,622	92.9	1,572	7.0	1,058
Calgary/Springbank	6,629	362	5.4	6,267	94.5	4,317
Chicoutimi/St-Honoré	2,616	126	4.8	2,490	95.1	192
Edmonton City Centre	6,448	2,929	45.4	3,519	54.5	2,043
Edmonton International	11,320	10,824	95.6	496	4.3	1,092
Edmonton/Villeneuve	1,377	15	1.0	1,362	98.9	150
Gander International	2,989	1,408	47.1	1,581	52.8	195
Halifax/Robert L Stanfield International	7,687	7,156	93.0	531	6.9	257
Hamilton	4,089	2,553	62.4	1,536	37.5	681
Kelowna	5,411	2,977	55.0	2,434	44.9	1,135
Kitchener/Waterloo	6,328	978	15.4	5,350	84.5	674
Langley	4,699	82	1.7	4,617	98.2	1,756
London	8,488	1,697	19.9	6,791	80.0	753
Moncton/Greater Moncton International	7,170	2,684	37.4	4,486	62.5	540
Montréal/Mirabel International	1,671	921	55.1	750	44.8	1,720
Montréal/Pierre Elliott Trudeau International	20,360	19,305	94.8	1,055	5.1	1,642
Montréal/St-Hubert	8,668	1,532	17.6	7,136	82.3	1,417
Oshawa	4,341	112	2.5	4,229	97.4	552
Ottawa/Macdonald-Cartier International	12,411	8,649	69.6	3,762	30.3	1,582
Pitt Meadows	4,764	15	0.3	4,749	99.6	3,770
Prince George	2,758	1,484	53.8	1,274	46.1	572
Québec/Jean Lesage International	8,772	4,998	56.9	3,774	43.0	2,418
Regina International	4,113	2,578	62.6	1,535	37.3	124
Saskatoon/John G Diefenbaker International	6,475	3,843	59.3	2,632	40.6	273
Sault Ste. Marie	3,005	1,222	40.6	1,783	59.3	181
St. John's International	3,520	3,234	91.8	286	8.1	346
St-Jean	8,518	230	2.7	8,288	97.2	323
Sudbury	2,814	1,782	63.3	1,032	36.6	193
Thunder Bay	5,756	3,605	62.6	2,151	37.3	437
Toronto/Butterville Municipal	8,716	835	9.5	7,881	90.4	789
Toronto/City Centre	5,477	1,779	32.4	3,698	67.5	2,622
Toronto/Lester B Pearson International	38,487	38,320	99.5	167	0.4	79
Vancouver Harbour	7,140	40	0.5	7,100	99.4	3,466
Vancouver International	35,087	24,224	69.0	10,863	30.9	9,723
Victoria International	11,241	3,556	31.6	7,685	68.3	12,172
Whitehorse International	2,161	586	27.1	1,575	72.8	756
Windsor	2,238	698	31.1	1,540	68.8	101
Winnipeg/James Armstrong Richardson International	11,843	10,354	87.4	1,489	12.5	622
Winnipeg/St. Andrews	3,619	69	1.9	3,550	98.0	210
Yellowknife	5,284	2,538	48.0	2,746	51.9	1,652
Total of NAV CANADA towers (42)	341,812	192,661	56.4	149,151	43.6	64,654

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 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
Brandon Municipal	1,039	227	21.8	812	78.1	196
Campbell River	3,690	640	17.3	3,050	82.6	647
Castlegar	1,200	318	26.4	882	73.5	158
Charlottetown	2,365	1,283	54.2	1,082	45.7	54
Churchill	956	822	85.9	134	14.0	162
Cranbrook	1,215	610	50.2	605	49.7	341
Deer Lake	1,964	1,471	74.8	493	25.1	61
Fort McMurray	7,159	2,394	33.4	4,765	66.5	281
Fort Nelson	1,827	351	19.2	1,476	80.7	149
Fort St John	2,498	819	32.7	1,679	67.2	202
Fredericton International	3,992	1,308	32.7	2,684	67.2	154
Grande Prairie	3,161	1,456	46.0	1,705	53.9	399
High Level	1,542	276	17.8	1,266	82.1	520
Îles-de-la-Madeleine	480	414	86.2	66	13.7	9
Inuvik/Mike Zubko	2,056	394	19.1	1,662	80.8	182
Iqaluit	2,343	1,502	64.1	841	35.8	263
Kamloops	3,108	1,257	40.4	1,851	59.5	481
Kenora	1,257	632	50.2	625	49.7	265
Kingston	2,071	716	34.5	1,355	65.4	130
Kuujuaq	1,177	450	38.2	727	61.7	145
Kuujuarapik	605	266	43.9	339	56.0	25
La Grande Rivière	1,059	671	63.3	388	36.6	507
La Ronge	2,061	1,008	48.9	1,053	51.0	1,466
Lethbridge	2,793	662	23.7	2,131	76.2	48
Lloydminster	952	257	26.9	695	73.0	42
Medicine Hat	1,135	423	37.2	712	62.7	252
Mont-Joli	365	251	68.7	114	31.2	69
Nanaimo	2,681	649	24.2	2,032	75.7	1,859
Norman Wells	1,550	219	14.1	1,331	85.8	378
North Bay	1,900	727	38.2	1,173	61.7	623
Ottawa/Gatineau	1,395	167	11.9	1,228	88.0	144
Peace River	854	388	45.4	466	54.5	124
Penticton	2,354	500	21.2	1,854	78.7	182
Port Hardy	2,015	639	31.7	1,376	68.2	383
Prince Albert	1,920	1,430	74.4	490	25.5	168
Prince Rupert	514	325	63.2	189	36.7	36
Rankin Inlet	1,713	964	56.2	749	43.7	33
Red Deer Regional	3,479	384	11.0	3,095	88.9	516
Rouyn-Noranda	1,092	682	62.4	410	37.5	112
Saint John	1,585	1,173	74.0	412	25.9	27
Sept-Îles	2,241	1,487	66.3	754	33.6	444
Sioux Lookout	2,441	1,821	74.6	620	25.3	1,287
Smithers	1,191	458	38.4	733	61.5	516
St Anthony	368	235	63.8	133	36.1	0
St Catharines	1,842	82	4.4	1,760	95.5	304
Terrace	1,462	571	39.0	891	60.9	251
Thompson	3,169	1,650	52.0	1,519	47.9	329
Timmins	2,263	1,721	76.0	542	23.9	246
Val-d'Or	1,288	765	59.3	523	40.6	969
Victoria Harbour	4,816	19	0.3	4,797	99.6	1,238
Wabush	1,005	743	73.9	262	26.0	346
Whitecourt	1,316	112	8.5	1,204	91.4	165
Williams Lake	1,410	499	35.3	911	64.6	514
Total of all flight service stations (53)	101,934	39,288	38.5	62,646	61.5	18,402

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	5,891	552	158	4,074	1,106	1
Boundary Bay	9,237	9	87	8,757	383	1
Calgary International	22,194	15,159	5,280	1,203	552	0
Calgary/Springbank	6,629	55	249	5,564	761	0
Chicoutimi/St-Honoré	2,616	12	64	2,424	114	2
Edmonton City Centre	6,448	504	2,259	2,804	880	1
Edmonton International	11,320	8,043	2,863	379	35	0
Edmonton/Villeneuve	1,377	15	12	1,103	247	0
Gander International	2,989	816	524	1,368	281	0
Halifax/Robert L. Stanfield International	7,687	4,789	2,071	485	342	0
Hamilton	4,089	1,673	754	1,590	71	1
Kelowna	5,411	1,642	1,467	2,045	256	1
Kitchener/Waterloo	6,328	198	456	5,326	348	0
Langley	4,699	0	106	3,938	650	5
London	8,488	359	1,302	6,602	225	0
Moncton/Greater Moncton International	7,170	1,366	836	4,930	37	1
Montréal/Mirabel International	1,671	722	328	469	152	0
Montréal/Pierre Elliott Trudeau International	20,360	13,672	5,480	851	357	0
Montréal/St-Hubert	8,668	217	801	7,023	624	3
Oshawa	4,341	7	101	4,112	121	0
Ottawa/Macdonald-Cartier International	12,411	6,238	2,454	3,235	484	0
Pitt Meadows	4,764	2	133	4,356	270	3
Prince George	2,758	504	1,170	657	427	0
Québec/Jean Lesage International	8,772	1,615	3,149	3,115	889	4
Regina International	4,113	1,552	727	1,759	69	6
Saskatoon/John G. Diefenbaker International	6,475	1,688	2,149	2,589	49	0
Sault Ste. Marie	3,005	59	1,056	1,844	46	0
St. John's International	3,520	1,662	1,488	129	241	0
St-Jean	8,518	1	100	4,812	34	3,571
Sudbury	2,814	59	1,749	577	429	0
Thunder Bay	5,756	962	2,796	1,544	453	1
Toronto/Buttonville Municipal	8,716	81	417	7,633	585	0
Toronto/City Centre	5,477	2	1,791	3,029	654	1
Toronto/Lester B. Pearson International	38,487	32,350	6,020	90	27	0
Vancouver Harbour	7,140	0	3,566	2,532	1,042	0
Vancouver International	35,087	15,106	12,506	5,847	1,626	2
Victoria International	11,241	1,450	2,608	6,820	363	0
Whitehorse International	2,161	336	495	1,051	279	0
Windsor	2,238	76	568	1,566	28	0
Winnipeg/James Armstrong Richardson International	11,843	5,670	4,734	1,270	169	0
Winnipeg/St. Andrews	3,619	2	355	3,150	112	0
Yellowknife	5,284	977	3,101	664	542	0
Total of NAV CANADA towers (42)	341,812	120,202	78,330	123,316	16,360	3,604

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	1,039	27	206	716	90	0
Campbell River	3,690	108	937	2,198	447	0
Castlegar	1,200	22	536	211	431	0
Charlottetown	2,365	781	324	1,213	47	0
Churchill	956	12	861	40	43	0
Cranbrook	1,215	43	683	379	110	0
Deer Lake	1,964	395	1,108	307	154	0
Fort McMurray	7,159	1,331	2,037	1,663	2,128	0
Fort Nelson	1,827	32	366	475	954	0
Fort St John	2,498	244	687	529	1,038	0
Fredericton International	3,992	388	682	2,760	162	0
Grande Prairie	3,161	263	1,305	852	741	0
High Level	1,542	34	449	536	522	1
Îles-de-la-Madeleine	480	18	336	116	10	0
Inuvik/Mike Zubko	2,056	133	1,067	298	558	0
Iqaluit	2,343	449	1,518	90	286	0
Kamloops	3,108	74	1,312	1,179	543	0
Kenora	1,257	92	526	366	273	0
Kingston	2,071	23	639	1,246	163	0
Kuujuuaq	1,177	160	805	55	157	0
Kuujuuarapik	605	4	481	35	85	0
La Grande Rivière	1,059	18	829	165	47	0
La Ronge	2,061	13	1,413	573	62	0
Lethbridge	2,793	101	1,151	1,477	62	2
Lloydminster	952	17	214	629	90	2
Medicine Hat	1,135	22	494	489	130	0
Mont-Joli	365	14	234	98	19	0
Nanaimo	2,681	40	654	1,880	107	0
Norman Wells	1,550	163	505	568	314	0
North Bay	1,900	59	697	684	460	0
Ottawa/Gatineau	1,395	2	146	1,150	92	5
Peace River	854	29	395	140	290	0
Penticton	2,354	47	679	1,065	563	0
Port Hardy	2,015	56	1,239	535	185	0
Prince Albert	1,920	19	1,452	369	80	0
Prince Rupert	514	55	278	90	91	0
Rankin Inlet	1,713	164	1,054	40	455	0
Red Deer Regional	3,479	93	388	2,771	222	5
Rouyn-Noranda	1,092	88	681	317	6	0
Saint John	1,585	443	593	512	37	0
Sept-Îles	2,241	55	1,302	425	459	0
Sioux Lookout	2,441	11	1,939	409	82	0
Smithers	1,191	7	542	170	472	0
St Anthony	368	8	297	29	34	0
St Catharines	1,842	25	36	1,190	585	6
Terrace	1,462	30	579	64	789	0
Thompson	3,169	130	2,336	412	291	0
Timmins	2,263	20	1,844	289	110	0
Val-d'Or	1,288	120	686	255	227	0
Victoria Harbour	4,816	0	3,243	868	705	0
Wabush	1,005	38	728	78	161	0
Whitecourt	1,316	8	232	283	793	0
Williams Lake	1,410	10	612	407	381	0
Total of all flight service stations (53)	101,934	6,538	44,337	33,695	17,343	21

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

	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									
Abbotsford	4,552	432	134	38	187	23	509	14	2	0
Boundary Bay	8,828	282	111	3	9	4	0	0	0	0
Calgary International	1,076	714	1,964	1,983	1,212	4,199	8,061	1,714	361	910
Calgary/Springbank	5,887	360	238	133	4	5	2	0	0	0
Chicoutimi/St-Honoré	2,369	131	104	4	0	8	0	0	0	0
Edmonton City Centre	2,977	643	1,825	716	232	51	0	4	0	0
Edmonton International	286	221	567	865	545	2,624	5,075	812	211	114
Edmonton/Villeneuve	1,260	56	61	0	0	0	0	0	0	0
Gander International	1,402	33	172	239	446	407	80	83	27	100
Halifax/Robert L. Stanfield International	240	309	485	885	931	1,571	2,255	562	201	248
Hamilton	1,374	408	302	260	270	202	597	4	605	67
Kelowna	2,172	151	324	800	226	788	931	2	17	0
Kitchener/Waterloo	5,437	247	262	71	231	14	64	2	0	0
Langley	4,462	216	20	0	1	0	0	0	0	0
London	6,616	223	341	88	884	141	192	2	1	0
Moncton/Greater Moncton International	4,771	231	363	338	190	629	362	22	264	0
Montréal/Mirabel International	533	104	84	157	68	185	101	3	291	145
Montréal/Pierre Elliott Trudeau International	862	287	776	928	2,867	6,099	5,321	1,084	104	2,032
Montréal/St-Hubert	6,964	541	835	178	97	14	3	8	28	0
Oshawa	4,102	127	69	15	24	2	0	0	0	2
Ottawa/Macdonald-Cartier International	3,311	169	1,176	208	798	2,931	2,797	579	252	190
Pitt Meadows	4,565	62	134	0	0	2	1	0	0	0
Prince George	767	306	288	640	42	497	218	0	0	0
Québec/Jean Lesage International	3,424	469	799	263	1,396	1,928	416	16	0	61
Regina International	1,419	430	378	357	71	494	874	2	88	0
Saskatoon/John G. Diefenbaker International	2,183	494	822	744	346	901	933	1	51	0
Sault Ste. Marie	1,830	154	535	73	338	75	0	0	0	0
St. John's International	96	15	410	466	779	97	1,201	380	63	13
St-Jean	8,342	65	104	0	6	1	0	0	0	0
Sudbury	563	424	1,283	116	124	298	4	2	0	0
Thunder Bay	1,579	364	2,378	292	168	578	382	15	0	0
Toronto/Buttonville Municipal	7,716	601	271	90	17	19	2	0	0	0
Toronto/City Centre	3,216	370	711	20	0	1,156	0	2	0	2
Toronto/Lester B. Pearson International	44	389	260	2,574	3,499	8,143	14,469	3,780	752	4,577
Vancouver Harbour	379	5,092	1,660	4	5	0	0	0	0	0
Vancouver International	2,085	7,158	1,321	3,378	3,182	5,469	6,735	2,240	638	2,881
Victoria International	5,968	1,418	333	632	1,058	932	838	19	43	0
Whitehorse International	1,141	308	162	56	37	147	290	0	0	20
Windsor	1,495	145	51	113	357	58	4	5	6	4
Winnipeg/James Armstrong Richardson International	836	662	3,240	533	941	1,514	2,872	599	626	20
Winnipeg/St. Andrews	2,909	621	77	8	0	4	0	0	0	0
Yellowknife	670	817	983	341	278	1,258	717	220	0	0
Total of NAV CANADA towers (42)	120,708	26,249	26,413	18,609	21,866	43,468	56,306	12,176	4,631	11,386

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	673	80	221	29	16	2	0	18	0	0
Campbell River	2,419	225	116	465	435	26	4	0	0	0
Castlegar	474	64	149	133	3	255	120	2	0	0
Charlottetown	1,026	258	45	96	226	547	161	6	0	0
Churchill	53	26	182	130	165	384	0	14	2	0
Cranbrook	334	77	141	268	165	160	66	4	0	0
Deer Lake	216	114	250	134	835	168	232	5	10	0
Fort McMurray	2,847	1,111	1,206	595	294	648	454	0	4	0
Fort Nelson	1,301	148	136	125	117	0	0	0	0	0
Fort St John	1,415	55	372	263	147	223	23	0	0	0
Fredericton International	2,563	255	213	324	132	462	12	9	4	18
Grande Prairie	1,290	274	658	211	79	504	145	0	0	0
High Level	861	220	231	170	4	8	48	0	0	0
Îles-de-la-Madeleine	31	87	54	45	172	89	2	0	0	0
Inuvik/Mike Zubko	588	68	824	367	48	39	118	4	0	0
Iqaluit	255	101	667	196	333	448	194	29	120	0
Kamloops	1,093	399	216	541	376	472	10	1	0	0
Kenora	352	71	731	47	33	17	0	6	0	0
Kingston	1,322	38	155	479	57	10	0	10	0	0
Kuujuuaq	187	50	631	14	90	79	87	5	34	0
Kuujuuarapik	88	32	209	6	172	88	0	10	0	0
La Grande Rivière	64	187	162	28	147	471	0	0	0	0
La Ronge	184	359	661	150	297	410	0	0	0	0
Lethbridge	1,172	339	730	339	114	84	7	8	0	0
Lloydminster	579	124	142	103	1	3	0	0	0	0
Medicine Hat	540	77	243	267	4	0	0	4	0	0
Mont-Joli	71	38	116	33	98	9	0	0	0	0
Nanaimo	1,662	398	84	116	51	370	0	0	0	0
Norman Wells	712	237	352	28	16	54	149	2	0	0
North Bay	1,047	240	244	95	179	71	14	10	0	0
Ottawa/Gatineau	1,165	70	143	4	2	0	0	11	0	0
Peace River	335	78	390	32	16	3	0	0	0	0
Penticton	1,360	239	80	324	54	281	16	0	0	0
Port Hardy	211	489	665	161	471	14	4	0	0	0
Prince Albert	214	142	275	380	421	487	0	0	0	1
Prince Rupert	39	128	39	57	87	164	0	0	0	0
Rankin Inlet	469	99	422	151	278	136	158	0	0	0
Red Deer Regional	2,773	191	275	143	75	0	22	0	0	0
Rouyn-Noranda	315	10	348	11	182	160	66	0	0	0
Saint John	367	182	166	296	122	384	68	0	0	0
Sept-Îles	559	315	417	151	736	63	0	0	0	0
Sioux Lookout	160	320	1,427	529	4	1	0	0	0	0
Smithers	609	69	86	242	65	115	5	0	0	0
St Anthony	27	36	187	30	87	1	0	0	0	0
St Catharines	1,693	85	30	17	6	6	1	4	0	0
Terrace	745	114	35	241	140	181	6	0	0	0
Thompson	317	677	1,358	32	298	390	97	0	0	0
Timmins	308	223	1,018	131	387	188	0	8	0	0
Val-d'Or	423	56	306	38	235	148	4	2	76	0
Victoria Harbour	41	3,093	1,672	0	10	0	0	0	0	0
Wabush	163	49	154	78	526	33	0	2	0	0
Whitecourt	931	153	148	32	4	6	36	6	0	0
Williams Lake	643	98	147	429	23	4	66	0	0	0
Total of all flight service stations (53)	39,286	12,668	19,929	9,306	9,035	8,866	2,395	180	250	19

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	5,723	567	2,367	1,163	1,322	255	49
Transborder	167	13	15	5	134	0	0
Other international	1	0	0	0	1	0	0
Total	5,891	580	2,382	1,168	1,457	255	49
Boundary Bay							
Domestic	9,168	14	1,513	5,762	1,814	49	16
Transborder	69	0	8	19	40	0	2
Other international	0	0	0	0	0	0	0
Total	9,237	14	1,521	5,781	1,854	49	18
Calgary International							
Domestic	17,902	14,522	1,271	548	1,234	135	192
Transborder	3,621	3,134	52	50	375	1	9
Other international	671	642	2	2	9	0	16
Total	22,194	18,298	1,325	600	1,618	136	217
Calgary/Springbank							
Domestic	6,486	67	904	3,622	1,845	21	27
Transborder	143	8	3	5	127	0	0
Other international	0	0	0	0	0	0	0
Total	6,629	75	907	3,627	1,972	21	27
Chicoutimi/St-Honoré							
Domestic	2,615	9	1,847	580	167	4	8
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	2,616	9	1,847	580	168	4	8
Edmonton City Centre							
Domestic	6,393	1,729	792	1,852	1,485	433	102
Transborder	53	2	4	0	47	0	0
Other international	2	0	1	0	1	0	0
Total	6,448	1,731	797	1,852	1,533	433	102
Edmonton International							
Domestic	9,843	9,039	249	102	296	35	122
Transborder	1,345	1,252	8	3	79	0	3
Other international	132	130	0	1	1	0	0
Total	11,320	10,421	257	106	376	35	125
Edmonton/Villeneuve							
Domestic	1,373	9	229	766	360	9	0
Transborder	4	0	1	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	1,377	9	230	766	363	9	0
Gander International							
Domestic	2,301	410	1,542	38	104	67	140
Transborder	308	70	0	16	167	0	55
Other international	380	111	3	21	170	0	75
Total	2,989	591	1,545	75	441	67	270
Halifax/Robert L Stanfield International							
Domestic	6,103	5,233	358	72	235	45	160
Transborder	1,170	1,001	47	2	104	0	16
Other international	414	273	87	1	27	0	26
Total	7,687	6,507	492	75	366	45	202
Hamilton							
Domestic	3,462	1,538	1,016	220	463	215	10
Transborder	520	352	12	2	147	7	0
Other international	107	104	0	0	3	0	0
Total	4,089	1,994	1,028	222	613	222	10

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	5,069	2,421	294	1,349	838	135	32
Transborder	342	243	1	1	95	2	0
Other international	0	0	0	0	0	0	0
Total	5,411	2,664	295	1,350	933	137	32
Kitchener/Waterloo							
Domestic	5,953	232	3,292	1,401	990	16	22
Transborder	375	186	33	7	149	0	0
Other international	0	0	0	0	0	0	0
Total	6,328	418	3,325	1,408	1,139	16	22
Langley							
Domestic	4,668	140	168	2,840	1,493	13	14
Transborder	31	0	0	3	28	0	0
Other international	0	0	0	0	0	0	0
Total	4,699	140	168	2,843	1,521	13	14
London							
Domestic	8,045	1,069	1,605	3,792	1,524	55	0
Transborder	441	269	3	6	161	2	0
Other international	2	2	0	0	0	0	0
Total	8,488	1,340	1,608	3,798	1,685	57	0
Moncton/Greater Moncton International							
Domestic	7,057	1,913	4,224	189	434	265	32
Transborder	104	64	0	1	39	0	0
Other international	9	9	0	0	0	0	0
Total	7,170	1,986	4,224	190	473	265	32
Montréal/Mirabel International							
Domestic	1,475	544	368	78	383	32	70
Transborder	193	183	0	1	9	0	0
Other international	3	2	0	0	1	0	0
Total	1,671	729	368	79	393	32	70
Montréal/Pierre Elliott Trudeau International							
Domestic	11,582	9,169	521	750	884	240	18
Transborder	6,471	5,811	101	67	486	0	6
Other international	2,307	2,128	27	12	134	0	6
Total	20,360	17,108	649	829	1,504	240	30
Montréal/St-Hubert							
Domestic	8,487	3,560	707	2,696	1,279	87	158
Transborder	172	23	2	4	141	2	0
Other international	9	1	2	0	6	0	0
Total	8,668	3,584	711	2,700	1,426	89	158
Oshawa							
Domestic	4,295	153	80	3,312	740	6	4
Transborder	46	6	5	5	30	0	0
Other international	0	0	0	0	0	0	0
Total	4,341	159	85	3,317	770	6	4
Ottawa/Macdonald-Cartier International							
Domestic	9,835	5,384	502	2,663	560	542	184
Transborder	2,409	2,239	13	2	127	13	15
Other international	167	146	4	0	11	0	6
Total	12,411	7,769	519	2,665	698	555	205
Pitt Meadows							
Domestic	4,734	50	1,038	2,076	1,550	18	2
Transborder	27	0	0	0	27	0	0
Other international	3	0	1	1	1	0	0
Total	4,764	50	1,039	2,077	1,578	18	2

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	2,673	1,302	575	107	528	155	6
Transborder	85	57	1	0	27	0	0
Other international	0	0	0	0	0	0	0
Total	2,758	1,359	576	107	555	155	6
Québec/Jean Lesage International							
Domestic	7,977	3,581	928	1,725	1,113	409	221
Transborder	643	488	17	11	123	0	4
Other international	152	84	19	1	40	2	6
Total	8,772	4,153	964	1,737	1,276	411	231
Regina International							
Domestic	3,871	1,916	943	84	482	158	288
Transborder	242	145	1	8	85	3	0
Other international	0	0	0	0	0	0	0
Total	4,113	2,061	944	92	567	161	288
Saskatoon/John G Diefenbaker International							
Domestic	6,286	3,257	1,362	599	645	308	115
Transborder	189	133	2	1	52	1	0
Other international	0	0	0	0	0	0	0
Total	6,475	3,390	1,364	600	697	309	115
Sault Ste. Marie							
Domestic	2,940	883	192	1,573	212	51	29
Transborder	65	4	2	2	57	0	0
Other international	0	0	0	0	0	0	0
Total	3,005	887	194	1,575	269	51	29
St. John's International							
Domestic	3,091	2,146	669	58	107	53	58
Transborder	214	74	0	3	50	0	87
Other international	215	50	16	11	52	0	86
Total	3,520	2,270	685	72	209	53	231
St-Jean							
Domestic	8,516	124	122	383	3,954	32	3,901
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	8,518	124	122	383	3,956	32	3,901
Sudbury							
Domestic	2,758	1,396	677	89	393	179	24
Transborder	55	6	0	0	48	1	0
Other international	1	1	0	0	0	0	0
Total	2,814	1,403	677	89	441	180	24
Thunder Bay							
Domestic	5,525	2,880	907	1,108	363	166	101
Transborder	230	131	9	0	90	0	0
Other international	1	0	1	0	0	0	0
Total	5,756	3,011	917	1,108	453	166	101
Toronto/Buttonville Municipal							
Domestic	8,383	282	750	5,035	2,279	35	2
Transborder	333	38	28	31	235	1	0
Other international	0	0	0	0	0	0	0
Total	8,716	320	778	5,066	2,514	36	2
Toronto/City Centre							
Domestic	4,971	1,055	1,279	2,004	609	20	4
Transborder	506	317	25	4	160	0	0
Other international	0	0	0	0	0	0	0
Total	5,477	1,372	1,304	2,008	769	20	4

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	18,081	17,126	405	88	425	32	5
Transborder	15,674	14,777	85	65	746	0	1
Other international	4,732	4,657	6	11	58	0	0
Total	38,487	36,560	496	164	1,229	32	6
Vancouver Harbour							
Domestic	6,949	5,361	635	849	97	3	4
Transborder	191	171	13	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	7,140	5,532	648	849	104	3	4
Vancouver International							
Domestic	26,546	21,450	2,699	1,063	1,034	270	30
Transborder	6,432	5,852	32	21	521	0	6
Other international	2,109	1,908	151	8	39	1	2
Total	35,087	29,210	2,882	1,092	1,594	271	38
Victoria International							
Domestic	10,209	3,270	3,993	1,104	1,718	53	71
Transborder	968	450	34	6	475	0	3
Other international	64	0	25	8	31	0	0
Total	11,241	3,720	4,052	1,118	2,224	53	74
Whitehorse International							
Domestic	1,984	874	550	55	479	24	2
Transborder	166	29	2	0	131	2	2
Other international	11	10	0	0	1	0	0
Total	2,161	913	552	55	611	26	4
Windsor							
Domestic	2,113	515	1,148	110	325	10	5
Transborder	119	32	16	2	68	0	1
Other international	6	0	4	0	2	0	0
Total	2,238	547	1,168	112	395	10	6
Winnipeg/James Armstrong Richardson International							
Domestic	10,557	8,649	550	85	416	322	535
Transborder	1,272	1,063	13	2	175	4	15
Other international	14	10	0	0	3	0	1
Total	11,843	9,722	563	87	594	326	551
Winnipeg/St. Andrews							
Domestic	3,612	450	1,877	869	396	2	18
Transborder	7	0	0	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	3,619	450	1,877	869	403	2	18
Yellowknife							
Domestic	5,277	4,130	558	34	270	143	142
Transborder	6	1	0	0	1	0	4
Other international	1	0	0	0	1	0	0
Total	5,284	4,131	558	34	272	143	146
Total of NAV CANADA towers (42)							
Domestic	284,888	138,419	45,706	52,893	35,845	5,102	6,923
Transborder	45,411	38,624	588	355	5,576	39	229
Other international	11,513	10,268	349	77	592	3	224
Total	341,812	187,311	46,643	53,325	42,013	5,144	7,376

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	1,013	118	311	138	251	21	174
Transborder	26	0	2	1	21	0	2
Other international	0	0	0	0	0	0	0
Total	1,039	118	313	139	272	21	176
Campbell River							
Domestic	3,449	738	692	1,084	876	33	26
Transborder	241	57	4	1	179	0	0
Other international	0	0	0	0	0	0	0
Total	3,690	795	696	1,085	1,055	33	26
Castlegar							
Domestic	1,179	311	557	194	91	16	10
Transborder	21	4	1	0	16	0	0
Other international	0	0	0	0	0	0	0
Total	1,200	315	558	194	107	16	10
Charlottetown							
Domestic	2,186	910	229	633	293	81	40
Transborder	179	159	1	0	19	0	0
Other international	0	0	0	0	0	0	0
Total	2,365	1,069	230	633	312	81	40
Churchill							
Domestic	943	817	59	6	23	28	10
Transborder	8	0	0	0	3	0	5
Other international	5	0	0	0	0	0	5
Total	956	817	59	6	26	28	20
Cranbrook							
Domestic	1,182	581	276	57	248	3	17
Transborder	33	3	4	1	25	0	0
Other international	0	0	0	0	0	0	0
Total	1,215	584	280	58	273	3	17
Deer Lake							
Domestic	1,950	1,285	334	192	65	48	26
Transborder	3	0	0	0	3	0	0
Other international	11	10	1	0	0	0	0
Total	1,964	1,295	335	192	68	48	26
Fort McMurray							
Domestic	7,155	3,661	2,142	549	760	22	21
Transborder	4	1	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	7,159	3,662	2,142	549	763	22	21
Fort Nelson							
Domestic	1,826	327	581	525	302	4	87
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,827	327	581	525	303	4	87
Fort St John							
Domestic	2,494	821	1,010	209	430	22	2
Transborder	4	1	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	2,498	822	1,010	209	433	22	2
Fredericton International							
Domestic	3,923	905	2,364	73	179	185	217
Transborder	66	13	3	6	44	0	0
Other international	3	0	0	0	2	0	1
Total	3,992	918	2,367	79	225	185	218

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	3,155	1,198	1,297	77	548	34	1
Transborder	6	0	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	3,161	1,198	1,297	77	554	34	1
High Level							
Domestic	1,542	196	1,121	74	115	14	22
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,542	196	1,121	74	115	14	22
Îles-de-la-Madeleine							
Domestic	473	354	0	14	35	39	31
Transborder	7	0	0	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	480	354	0	14	42	39	31
Inuvik/Mike Zubko							
Domestic	2,041	476	1,419	6	53	66	21
Transborder	15	9	0	0	4	2	0
Other international	0	0	0	0	0	0	0
Total	2,056	485	1,419	6	57	68	21
Iqaluit							
Domestic	2,190	1,366	445	149	75	130	25
Transborder	64	29	15	1	19	0	0
Other international	89	14	1	20	43	0	11
Total	2,343	1,409	461	170	137	130	36
Kamloops							
Domestic	3,066	1,120	1,069	284	474	106	13
Transborder	42	4	2	3	32	0	1
Other international	0	0	0	0	0	0	0
Total	3,108	1,124	1,071	287	506	106	14
Kenora							
Domestic	1,115	367	406	43	194	34	71
Transborder	142	18	6	0	118	0	0
Other international	0	0	0	0	0	0	0
Total	1,257	385	412	43	312	34	71
Kingston							
Domestic	2,026	514	390	541	423	90	68
Transborder	45	2	0	0	41	0	2
Other international	0	0	0	0	0	0	0
Total	2,071	516	390	541	464	90	70
Kuujuuaq							
Domestic	1,177	879	183	10	55	42	8
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,177	879	183	10	55	42	8
Kuujuarapik							
Domestic	605	465	83	38	3	6	10
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	605	465	83	38	3	6	10
La Grande Rivière							
Domestic	1,058	684	244	62	44	20	4
Transborder	1	0	0	1	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,059	684	244	63	44	20	4
La Ronge							
Domestic	2,055	1,370	134	22	127	274	128
Transborder	6	2	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	2,061	1,372	134	22	131	274	128

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	2,595	523	108	1,308	549	9	98
Transborder	198	6	5	17	160	0	10
Other international	0	0	0	0	0	0	0
Total	2,793	529	113	1,325	709	9	108
Lloydminster							
Domestic	947	138	287	32	448	18	24
Transborder	5	0	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	952	138	287	32	453	18	24
Medicine Hat							
Domestic	1,119	617	115	44	292	18	33
Transborder	16	0	0	0	16	0	0
Other international	0	0	0	0	0	0	0
Total	1,135	617	115	44	308	18	33
Mont-Joli							
Domestic	361	255	17	2	69	12	6
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	365	255	17	2	73	12	6
Nanaimo							
Domestic	2,507	579	556	315	1,015	38	4
Transborder	174	24	4	2	144	0	0
Other international	0	0	0	0	0	0	0
Total	2,681	603	560	317	1,159	38	4
Norman Wells							
Domestic	1,549	910	458	21	109	41	10
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,550	910	458	21	110	41	10
North Bay							
Domestic	1,829	435	545	388	399	28	34
Transborder	70	15	5	2	48	0	0
Other international	1	1	0	0	0	0	0
Total	1,900	451	550	390	447	28	34
Ottawa/Gatineau							
Domestic	1,382	162	272	362	495	66	25
Transborder	13	0	0	1	12	0	0
Other international	0	0	0	0	0	0	0
Total	1,395	162	272	363	507	66	25
Peace River							
Domestic	851	387	315	17	101	26	5
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	854	387	315	17	104	26	5
Penticton							
Domestic	2,290	523	901	154	598	16	98
Transborder	64	0	20	0	43	0	1
Other international	0	0	0	0	0	0	0
Total	2,354	523	921	154	641	16	99
Port Hardy							
Domestic	1,921	1,605	98	31	92	74	21
Transborder	94	8	0	0	85	0	1
Other international	0	0	0	0	0	0	0
Total	2,015	1,613	98	31	177	74	22

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	1,919	1,345	160	70	120	178	46
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,920	1,345	160	70	121	178	46
Prince Rupert							
Domestic	482	331	67	3	40	31	10
Transborder	32	2	1	1	26	0	2
Other international	0	0	0	0	0	0	0
Total	514	333	68	4	66	31	12
Rankin Inlet							
Domestic	1,713	1,195	452	25	27	14	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,713	1,195	452	25	27	14	0
Red Deer Regional							
Domestic	3,469	243	2,153	283	708	34	48
Transborder	10	0	0	1	9	0	0
Other international	0	0	0	0	0	0	0
Total	3,479	243	2,153	284	717	34	48
Rouyn-Noranda							
Domestic	1,091	531	154	200	180	26	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,092	531	154	200	181	26	0
Saint John							
Domestic	1,488	842	212	106	302	8	18
Transborder	94	8	0	2	84	0	0
Other international	3	0	1	0	2	0	0
Total	1,585	850	213	108	388	8	18
Sept-Îles							
Domestic	2,225	1,251	510	157	185	108	14
Transborder	16	2	0	1	13	0	0
Other international	0	0	0	0	0	0	0
Total	2,241	1,253	510	158	198	108	14
Sioux Lookout							
Domestic	2,398	1,794	467	7	110	14	6
Transborder	43	1	0	0	42	0	0
Other international	0	0	0	0	0	0	0
Total	2,441	1,795	467	7	152	14	6
Smithers							
Domestic	1,186	469	427	128	136	26	0
Transborder	5	0	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	1,191	469	427	128	141	26	0
St Anthony							
Domestic	368	260	20	59	21	8	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	368	260	20	59	21	8	0
St Catharines							
Domestic	1,763	7	549	99	507	33	568
Transborder	79	1	7	1	69	1	0
Other international	0	0	0	0	0	0	0
Total	1,842	8	556	100	576	34	568

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	1,461	568	717	62	79	35	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,462	568	717	62	80	35	0
Thompson							
Domestic	3,161	2,438	439	16	43	189	36
Transborder	8	0	0	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	3,169	2,438	439	16	51	189	36
Timmins							
Domestic	2,255	1,609	297	32	188	112	17
Transborder	8	2	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	2,263	1,611	297	32	194	112	17
Val-d'Or							
Domestic	1,286	713	243	106	165	53	6
Transborder	2	1	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,288	714	243	106	166	53	6
Victoria Harbour							
Domestic	4,372	3,988	42	192	23	117	10
Transborder	444	5	0	2	437	0	0
Other international	0	0	0	0	0	0	0
Total	4,816	3,993	42	194	460	117	10
Wabush							
Domestic	1,003	663	161	34	90	41	14
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,005	663	161	34	92	41	14
Whitecourt							
Domestic	1,312	38	804	301	151	10	8
Transborder	4	2	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,316	40	804	301	153	10	8
Williams Lake							
Domestic	1,404	462	453	169	289	19	12
Transborder	6	0	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	1,410	462	453	169	295	19	12
Total of all flight service stations (53)							
Domestic	99,510	44,344	27,345	9,703	13,195	2,720	2,203
Transborder	2,312	379	80	44	1,782	3	24
Other international	112	25	3	20	47	0	17
Total	101,934	44,748	27,428	9,767	15,024	2,723	2,244

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	14	13,523	30	11	95	15	623
Boundary Bay	4	21,589	12	11	111	22	896
Calgary International	3	22,319	6	11	73	24	830
Calgary/Springbank	11	14,599	5	9	104	3	701
Chicoutimi/St-Honoré	30	6,918	1	9	104	1	537
Edmonton City Centre	28	7,426	25	18	99	17	394
Edmonton International	18	11,813	5	13	96	24	502
Edmonton/Villeneuve	36	4,707	12	9	79	17	284
Gander International	35	5,599	7	11	58	7	368
Halifax/Robert L Stanfield International	27	8,450	16	20	47	16	345
Hamilton	32	6,099	5	14	64	5	409
Kelowna	25	9,203	22	9	72	29	486
Kitchener/Waterloo	13	13,566	5	10	90	15	848
Langley	21	10,389	30	14	75	25	460
London	7	19,970	28	12	105	29	1,196
Moncton/Greater Moncton International	12	13,721	20	19	72	17	866
Montréal/Mirabel International	42	2,104	15	13	41	15	155
Montréal/Pierre Elliott Trudeau International	6	20,360	14	18	62	10	749
Montréal/St-Hubert	5	20,524	22	14	148	30	1,250
Oshawa	19	10,671	7	16	102	7	748
Ottawa/Macdonald-Cartier International	9	16,768	4	10	101	4	790
Pitt Meadows	15	12,956	7	15	101	28	643
Prince George	40	3,072	22	11	29	22	156
Québec/Jean Lesage International	17	11,865	28	14	82	2	603
Regina International	31	6,116	8	22	96	8	333
Saskatoon/John G Diefenbaker International	20	10,574	22	11	72	29	537
Sault Ste. Marie	34	5,793	25	11	53	3	405
St. John's International	38	3,838	17	13	49	17	218
St-Jean	24	9,428	4	10	98	15	669
Sudbury	39	3,597	28	18	64	28	220
Thunder Bay	26	8,855	15	10	80	10	498
Toronto/Buttonville Municipal	8	18,040	31	12	114	4	1,103
Toronto/City Centre	22	10,077	15	22	79	15	544
Toronto/Lester B Pearson International	1	38,487	18	18	104	31	1,367
Vancouver Harbour	29	7,146	24	17	36	30	310
Vancouver International	2	35,087	31	13	106	31	1,371
Victoria International	10	15,850	3	11	103	8	842
Whitehorse International	41	2,797	14	12	28	14	162
Windsor	37	4,454	11	16	51	24	282
Winnipeg/James Armstrong Richardson International	16	12,455	30	14	56	3	501
Winnipeg/St. Andrews	23	9,693	4	13	111	3	640
Yellowknife	33	5,851	28	10	34	25	256

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	29	1,793	30	9	37	15	157
Campbell River	1	8,657	14	13	87	15	612
Castlegar	36	1,560	6	12	42	18	102
Charlottetown	12	3,637	1	19	35	5	207
Churchill	47	958	16	11	9	9	45
Cranbrook	39	1,456	31	18	40	22	101
Deer Lake	25	2,092	21	17	30	21	126
Fort McMurray	2	7,865	24	20	40	24	358
Fort Nelson	26	2,021	30	16	18	31	119
Fort St John	16	2,807	10	14	35	10	146
Fredericton International	4	6,463	15	22	49	30	418
Grande Prairie	8	4,123	4	11	36	24	244
High Level	33	1,692	29	12	26	3	95
Îles-de-la-Madeleine	51	480	13	12	7	4	28
Inuvik/Mike Zubko	24	2,132	23	12	16	16	105
Iqaluit	19	2,589	8	12	25	11	143
Kamloops	6	4,270	13	16	40	13	206
Kenora	41	1,335	30	20	16	28	75
Kingston	13	3,487	18	16	44	25	231
Kuujuaq	42	1,311	9	12	23	9	79
Kuujuarapik	49	605	2	12	9	31	40
La Grande Rivière	46	1,073	9	10	11	21	60
La Ronge	23	2,229	2	10	26	3	142
Lethbridge	9	4,106	25	10	56	26	282
Lloydminster	44	1,278	15	10	28	15	93
Medicine Hat	40	1,451	18	12	37	18	109
Mont-Joli	52	419	2	12	8	2	36
Nanaimo	10	3,717	7	12	39	24	202
Norman Wells	32	1,722	23	16	45	23	107
North Bay	7	4,206	23	12	64	23	284
Ottawa/Gatineau	17	2,791	30	10	48	20	169
Peace River	48	868	16	1	10	16	59
Penticton	11	3,684	17	16	48	23	183
Port Hardy	27	2,017	16	14	16	21	95
Prince Albert	28	1,972	3	13	14	3	95
Prince Rupert	50	556	23	13	19	23	43
Rankin Inlet	31	1,753	26	10	22	18	78
Red Deer Regional	3	7,821	16	13	73	16	477
Rouyn-Noranda	38	1,468	23	12	29	20	159
Saint John	30	1,773	3	17	24	16	128
Sept-Îles	20	2,495	19	12	29	21	132
Sioux Lookout	21	2,492	18	17	19	30	117
Smithers	43	1,281	11	15	36	18	76
St Anthony	53	368	25	10	6	29	21
St Catharines	15	3,226	6	15	44	1	205
Terrace	34	1,646	23	17	29	23	93
Thompson	14	3,229	25	17	18	2	143
Timmins	22	2,301	11	13	15	22	125
Val-d'Or	35	1,646	4	14	78	11	118
Victoria Harbour	5	4,816	17	17	26	21	203
Wabush	45	1,137	1	14	22	11	92
Whitecourt	18	2,684	22	10	41	22	221
Williams Lake	37	1,548	8	14	32	3	100

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	22	5,891	22	11	36	15	253
Boundary Bay	9	9,237	24	17	52	16	418
Calgary International	3	22,194	16	18	69	24	828
Calgary/Springbank	18	6,629	19	11	45	24	336
Chicoutimi/St-Honoré	38	2,616	1	18	22	1	161
Edmonton City Centre	20	6,448	24	17	37	17	330
Edmonton International	7	11,320	24	16	40	24	475
Edmonton/Villeneuve	42	1,377	1	15	14	29	77
Gander International	35	2,989	23	16	18	11	148
Halifax/Robert L Stanfield International	15	7,687	29	14	27	2	286
Hamilton	31	4,089	5	13	21	5	197
Kelowna	25	5,411	28	10	26	11	212
Kitchener/Waterloo	21	6,328	1	11	36	15	364
Langley	28	4,699	7	19	30	7	214
London	14	8,488	29	16	46	29	460
Moncton/Greater Moncton International	16	7,170	11	11	33	11	394
Montréal/Mirabel International	41	1,671	14	15	23	15	107
Montréal/Pierre Elliott Trudeau International	4	20,360	14	18	62	10	749
Montréal/St-Hubert	12	8,668	4	11	45	4	527
Oshawa	29	4,341	4	15	26	15	258
Ottawa/Macdonald-Cartier International	5	12,411	30	10	50	17	521
Pitt Meadows	27	4,764	26	11	33	26	223
Prince George	37	2,758	22	9	16	2	122
Québec/Jean Lesage International	10	8,772	30	12	40	2	417
Regina International	30	4,113	24	13	21	24	194
Saskatoon/John G Diefenbaker International	19	6,475	9	9	28	17	290
Sault Ste. Marie	34	3,005	16	10	19	3	151
St. John's International	33	3,520	15	12	15	9	137
St-Jean	13	8,518	4	15	79	4	632
Sudbury	36	2,814	10	8	17	28	120
Thunder Bay	23	5,756	18	17	33	18	268
Toronto/Butterville Municipal	11	8,716	25	15	56	15	519
Toronto/City Centre	24	5,477	11	16	27	25	265
Toronto/Lester B Pearson International	1	38,487	18	18	104	31	1,367
Vancouver Harbour	17	7,140	24	17	36	30	310
Vancouver International	2	35,087	31	13	106	31	1,371
Victoria International	8	11,241	8	13	45	9	444
Whitehorse International	40	2,161	24	14	16	11	98
Windsor	39	2,238	4	19	13	4	121
Winnipeg/James Armstrong Richardson International	6	11,843	2	17	42	3	467
Winnipeg/St. Andrews	32	3,619	30	13	24	3	200
Yellowknife	26	5,284	17	16	28	23	217

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	44	1,039	15	17	11	15	85
Campbell River	4	3,690	10	8	24	16	178
Castlegar	38	1,200	21	15	13	18	84
Charlottetown	13	2,365	11	10	14	12	133
Churchill	46	956	16	11	9	9	45
Cranbrook	37	1,215	22	18	15	22	101
Deer Lake	22	1,964	25	8	16	28	104
Fort McMurray	1	7,159	17	18	39	10	335
Fort Nelson	26	1,827	17	9	16	31	97
Fort St John	11	2,498	29	15	17	23	112
Fredericton International	3	3,992	17	20	27	30	238
Grande Prairie	7	3,161	24	16	25	24	236
High Level	30	1,542	3	18	12	3	95
Îles-de-la-Madeleine	51	480	13	12	7	4	28
Inuvik/Mike Zubko	20	2,056	9	10	13	25	98
Iqaluit	15	2,343	11	14	24	11	125
Kamloops	8	3,108	4	8	19	2	166
Kenora	36	1,257	28	13	14	22	64
Kingston	18	2,071	4	15	15	29	118
Kuujuaq	40	1,177	31	12	9	18	54
Kuujuarapik	49	605	2	12	9	31	40
La Grande Rivière	43	1,059	9	10	11	21	60
La Ronge	19	2,061	29	14	16	2	108
Lethbridge	9	2,793	7	11	32	7	185
Lloydminster	47	952	9	15	9	9	52
Medicine Hat	41	1,135	15	10	12	31	65
Mont-Joli	53	365	5	12	5	8	25
Nanaimo	10	2,681	25	10	19	25	126
Norman Wells	29	1,550	9	12	10	11	71
North Bay	24	1,900	9	15	15	16	105
Ottawa/Gatineau	33	1,395	6	12	17	5	101
Peace River	48	854	16	9	9	24	54
Penticton	14	2,354	5	10	19	5	118
Port Hardy	21	2,015	16	14	16	21	95
Prince Albert	23	1,920	3	13	14	3	95
Prince Rupert	50	514	27	14	6	7	32
Rankin Inlet	27	1,713	10	16	18	18	78
Red Deer Regional	5	3,479	23	15	27	25	180
Rouyn-Noranda	42	1,092	11	14	9	20	61
Saint John	28	1,585	12	14	13	4	93
Sept-Îles	17	2,241	4	11	17	4	120
Sioux Lookout	12	2,441	21	8	15	4	104
Smithers	39	1,191	18	15	15	18	76
St Anthony	52	368	25	10	6	29	21
St Catharines	25	1,842	13	17	25	1	109
Terrace	31	1,462	17	8	11	17	75
Thompson	6	3,169	3	10	15	2	143
Timmins	16	2,263	21	11	15	22	125
Val-d'Or	35	1,288	6	15	12	7	73
Victoria Harbour	2	4,816	17	17	26	21	203
Wabush	45	1,005	25	10	10	23	47
Whitecourt	34	1,316	21	13	14	21	75
Williams Lake	32	1,410	16	9	12	2	74

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	7,632	30	11	78	2	378
Boundary Bay	1	12,352	3	18	88	3	636
Calgary International	38	125	6	11	22	6	34
Calgary/Springbank	6	7,970	10	9	68	14	438
Chicoutimi/St-Honoré	16	4,302	1	9	84	1	376
Edmonton City Centre	27	978	25	18	76	25	86
Edmonton International	34	493	5	13	74	5	200
Edmonton/Villeneuve	19	3,330	12	9	70	17	216
Gander International	23	2,610	7	11	48	7	234
Halifax/Robert L Stanfield International	30	763	16	20	24	16	78
Hamilton	25	2,010	5	10	48	5	212
Kelowna	18	3,792	22	9	60	22	278
Kitchener/Waterloo	8	7,238	11	18	74	15	484
Langley	12	5,690	30	14	58	30	274
London	3	11,482	28	12	72	29	736
Moncton/Greater Moncton International	9	6,551	20	19	62	17	476
Montréal/Mirabel International	35	433	17	11	30	15	48
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	2	11,856	22	14	122	30	810
Oshawa	10	6,330	7	8	82	7	538
Ottawa/Macdonald-Cartier International	15	4,357	4	10	60	4	325
Pitt Meadows	5	8,192	3	17	82	3	442
Prince George	37	314	9	12	16	16	44
Québec/Jean Lesage International	21	3,093	28	14	62	28	221
Regina International	26	2,003	8	22	86	8	174
Saskatoon/John G Diefenbaker International	17	4,099	22	11	54	29	282
Sault Ste. Marie	22	2,788	3	11	42	3	254
St. John's International	36	318	17	13	42	17	96
St-Jean	28	910	12	9	30	7	84
Sudbury	29	783	28	18	54	28	100
Thunder Bay	20	3,099	30	14	58	10	273
Toronto/Buttonville Municipal	4	9,324	29	11	74	29	654
Toronto/City Centre	14	4,600	15	22	64	15	286
Toronto/Lester B Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	39	6	1	19	2	1	2
Vancouver International	0	0	0	0	0	0	0
Victoria International	13	4,609	3	11	66	8	402
Whitehorse International	31	636	14	12	22	14	80
Windsor	24	2,216	11	16	42	24	164
Winnipeg/James Armstrong Richardson International	32	612	10	7	28	10	54
Winnipeg/St. Andrews	11	6,074	4	13	96	16	466
Yellowknife	33	567	28	10	22	2	52

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	15	754	30	9	32	30	100
Campbell River	1	4,967	10	14	66	15	466
Castlegar	18	360	6	12	40	5	40
Charlottetown	11	1,272	24	22	28	24	126
Churchill	49	2	18	16	2	18	2
Cranbrook	25	241	31	18	35	31	49
Deer Lake	35	128	19	10	24	19	46
Fort McMurray	16	706	22	20	20	19	72
Fort Nelson	26	194	10	6	16	14	32
Fort St John	22	309	10	14	24	10	44
Fredericton International	3	2,471	15	22	36	4	188
Grande Prairie	14	962	16	15	26	2	76
High Level	31	150	29	12	24	29	44
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	38	76	1	13	8	16	14
Iqaluit	24	246	8	12	16	8	50
Kamloops	12	1,162	25	15	32	15	98
Kenora	37	78	28	11	12	28	20
Kingston	5	1,416	18	16	36	5	124
Kuujuaq	33	134	9	12	18	9	32
Kuujuarapik	0	0	0	0	0	0	0
La Grande Rivière	46	14	5	11	4	5	8
La Ronge	30	168	2	10	16	3	46
Lethbridge	10	1,313	26	17	38	26	160
Lloydminster	20	326	15	10	22	15	54
Medicine Hat	21	316	18	12	28	18	52
Mont-Joli	40	54	2	13	8	2	18
Nanaimo	13	1,036	7	12	24	24	88
Norman Wells	29	172	23	16	36	23	36
North Bay	4	2,306	23	12	58	23	214
Ottawa/Gatineau	6	1,396	16	19	40	30	106
Peace River	47	14	16	1	8	16	8
Penticton	9	1,330	17	16	38	23	118
Port Hardy	48	2	4	8	2	4	2
Prince Albert	41	52	6	17	8	2	12
Prince Rupert	43	42	23	13	14	23	24
Rankin Inlet	44	40	26	10	20	26	20
Red Deer Regional	2	4,342	16	13	56	16	326
Rouyn-Noranda	17	376	23	12	24	20	98
Saint John	27	188	3	17	18	16	50
Sept-Îles	23	254	19	12	20	19	72
Sioux Lookout	42	51	18	17	8	30	16
Smithers	36	90	11	15	32	11	32
St Anthony	0	0	0	0	0	0	0
St Catharines	7	1,384	6	15	32	6	116
Terrace	28	184	25	18	20	26	48
Thompson	39	60	27	15	10	27	14
Timmins	45	38	11	13	8	11	16
Val-d'Or	19	358	4	14	72	4	72
Victoria Harbour	0	0	0	0	0	0	0
Wabush	34	132	11	15	20	11	50
Whitecourt	8	1,368	22	10	38	22	184
Williams Lake	32	138	8	14	26	3	36

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	7,606	30	11	78	2	378
Boundary Bay	1	12,352	3	18	88	3	636
Calgary International	38	125	6	11	22	6	34
Calgary/Springbank	6	7,969	10	9	68	14	438
Chicoutimi/St-Honoré	16	4,294	1	9	84	1	376
Edmonton City Centre	28	900	25	18	36	16	66
Edmonton International	33	432	5	13	74	5	200
Edmonton/Villeneuve	19	3,330	12	9	70	17	216
Gander International	23	2,386	7	11	48	7	232
Halifax/Robert L Stanfield International	31	593	16	20	24	16	76
Hamilton	25	1,994	5	10	48	5	212
Kelowna	18	3,776	22	9	60	22	278
Kitchener/Waterloo	8	7,232	11	18	74	15	484
Langley	12	5,690	30	14	58	30	274
London	3	11,482	28	12	72	29	736
Moncton/Greater Moncton International	9	6,547	20	19	62	17	476
Montréal/Mirabel International	35	421	17	11	30	15	48
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	2	11,856	22	14	122	30	810
Oshawa	10	6,330	7	8	82	7	538
Ottawa/Macdonald-Cartier International	15	4,339	4	10	60	4	319
Pitt Meadows	5	8,192	3	17	82	3	442
Prince George	36	314	9	12	16	16	44
Québec/Jean Lesage International	20	3,090	28	14	62	28	221
Regina International	26	1,908	8	22	42	15	142
Saskatoon/John G Diefenbaker International	17	4,003	22	11	54	29	260
Sault Ste. Marie	22	2,778	3	11	42	3	254
St. John's International	37	312	17	13	42	17	96
St-Jean	27	910	12	9	30	7	84
Sudbury	29	783	28	18	54	28	100
Thunder Bay	21	3,059	30	14	58	10	273
Toronto/Buttonville Municipal	4	9,324	29	11	74	29	654
Toronto/City Centre	13	4,600	15	22	64	15	286
Toronto/Lester B Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	39	6	1	19	2	1	2
Vancouver International	0	0	0	0	0	0	0
Victoria International	14	4,539	3	11	66	8	402
Whitehorse International	30	636	14	12	22	14	80
Windsor	24	2,216	11	16	42	24	164
Winnipeg/James Armstrong Richardson International	34	430	10	7	28	10	50
Winnipeg/St. Andrews	11	6,074	4	13	96	16	466
Yellowknife	32	441	1	14	20	2	52

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	16	682	30	9	32	30	100
Campbell River	1	4,967	10	14	66	15	466
Castlegar	18	360	6	12	40	5	40
Charlottetown	11	1,260	24	22	28	24	126
Churchill	48	2	18	16	2	18	2
Cranbrook	24	237	31	18	35	31	49
Deer Lake	34	128	19	10	24	19	46
Fort McMurray	15	706	22	20	20	19	72
Fort Nelson	26	194	10	6	16	14	32
Fort St John	22	309	10	14	24	10	44
Fredericton International	3	2,409	15	22	36	4	188
Grande Prairie	14	962	16	15	26	2	76
High Level	31	150	29	12	24	29	44
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	37	76	1	13	8	16	14
Iqaluit	25	230	8	12	16	8	50
Kamloops	12	1,162	25	15	32	15	98
Kenora	38	60	30	20	12	18	14
Kingston	5	1,408	18	16	36	5	124
Kuujuaq	32	134	9	12	18	9	32
Kuujuarapik	0	0	0	0	0	0	0
La Grande Rivière	46	14	5	11	4	5	8
La Ronge	30	168	2	10	16	3	46
Lethbridge	10	1,311	26	17	38	26	160
Lloydminster	20	326	15	10	22	15	54
Medicine Hat	21	316	18	12	28	18	52
Mont-Joli	40	54	2	13	8	2	18
Nanaimo	13	1,030	7	12	24	24	88
Norman Wells	29	172	23	16	36	23	36
North Bay	4	2,272	23	12	58	23	214
Ottawa/Gatineau	7	1,376	16	19	40	30	106
Peace River	47	8	16	1	8	16	8
Penticton	9	1,320	17	16	38	23	118
Port Hardy	49	2	4	8	2	4	2
Prince Albert	41	52	6	17	8	2	12
Prince Rupert	43	42	23	13	14	23	24
Rankin Inlet	44	40	26	10	20	26	20
Red Deer Regional	2	4,342	16	13	56	16	326
Rouyn-Noranda	17	376	23	12	24	20	98
Saint John	27	188	3	17	18	16	50
Sept-Îles	23	254	19	12	20	19	72
Sioux Lookout	42	51	18	17	8	30	16
Smithers	36	90	11	15	32	11	32
St Anthony	0	0	0	0	0	0	0
St Catharines	6	1,384	6	15	32	6	116
Terrace	28	184	25	18	20	26	48
Thompson	39	60	27	15	10	27	14
Timmins	45	38	11	13	8	11	16
Val-d'Or	19	358	4	14	72	4	72
Victoria Harbour	0	0	0	0	0	0	0
Wabush	33	132	11	15	20	11	50
Whitecourt	8	1,368	22	10	38	22	184
Williams Lake	35	98	3	13	20	3	36

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	11	26	28	14	20	28	22
Boundary Bay	0	0	0	0	0	0	0
Calgary International	0	0	0	0	0	0	0
Calgary/Springbank	22	1	30	19	1	30	1
Chicoutimi/St-Honoré	17	8	7	13	4	7	4
Edmonton City Centre	7	78	25	18	40	25	40
Edmonton International	9	61	25	17	36	25	36
Edmonton/Villeneuve	0	0	0	0	0	0	0
Gander International	1	224	30	9	20	3	60
Halifax/Robert L Stanfield International	3	170	6	13	16	2	30
Hamilton	13	16	25	18	14	25	14
Kelowna	14	16	29	11	6	29	16
Kitchener/Waterloo	19	6	28	10	4	28	4
Langley	0	0	0	0	0	0	0
London	0	0	0	0	0	0	0
Moncton/Greater Moncton International	20	4	7	8	2	7	2
Montréal/Mirabel International	15	12	24	15	10	24	10
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	12	18	4	11	6	4	6
Pitt Meadows	0	0	0	0	0	0	0
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	21	3	15	16	1	15	1
Regina International	6	95	8	22	44	8	50
Saskatoon/John G Diefenbaker International	5	96	30	22	18	30	24
Sault Ste. Marie	16	10	9	11	6	9	6
St. John's International	18	6	4	10	4	4	4
St-Jean	0	0	0	0	0	0	0
Sudbury	0	0	0	0	0	0	0
Thunder Bay	10	40	21	13	14	21	22
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	8	70	2	19	6	31	14
Whitehorse International	0	0	0	0	0	0	0
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	2	182	30	14	16	24	28
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	4	126	28	10	16	28	28

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	1	72	29	10	16	29	34
Campbell River	0	0	0	0	0	0	0
Castlegar	0	0	0	0	0	0	0
Charlottetown	8	12	25	15	10	25	10
Churchill	0	0	0	0	0	0	0
Cranbrook	13	4	18	14	4	18	4
Deer Lake	0	0	0	0	0	0	0
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	62	22	12	16	22	34
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	7	16	15	10	8	15	8
Kamloops	0	0	0	0	0	0	0
Kenora	6	18	28	11	10	28	18
Kingston	10	8	30	8	8	30	8
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	14	2	24	16	2	24	2
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	0	0	0	0	0	0	0
Mont-Joli	0	0	0	0	0	0	0
Nanaimo	12	6	21	10	6	21	6
Norman Wells	0	0	0	0	0	0	0
North Bay	4	34	11	11	16	11	30
Ottawa/Gatineau	5	20	8	9	10	8	10
Peace River	11	6	31	21	6	31	6
Penticton	9	10	5	9	10	5	10
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
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	3	40	8	14	26	8	26

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.

A number of carriers have begun providing additional flights to both Canadian and European destinations from Halifax/Robert L. Stanfield International airport 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.