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



October 2008



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Statistics Canada
Transportation Division

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

October 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 (1.7%) in October 2008 compared with October 2007. These 95 airports reported 554,398 movements in October 2008 compared with 545,012 movements in October 2007.
- Itinerant movements (flights from one airport to another) grew 2.5% (+9,253 movements) in October 2008 compared with the same month a year earlier.
- Local movements (flights that remain in the vicinity of the airport) edged up by 0.1% (+133 movements) in October 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 October 2008/ October 2007	number	Change from October 2008/ October 2007	number	Change from October 2008/ October 2007
Grand total	449,427	1.5	104,971	2.7	554,398	1.7
Itinerant movements						
Air carriers	214,253	2.7	56,008	-2.3	270,261	1.6
Other commercial movements	47,043	12.2	6,113	-4.3	53,156	10.0
Private movements	33,628	0.7	10,697	-2.0	44,325	0.0
Government civil movements	4,966	-3.0	1,851	-2.0	6,817	-2.7
Government military movements	4,569	5.6	2,049	0.9	6,618	4.1
Itinerant total	304,459	3.8	76,718	-2.4	381,177	2.5
Local movements						
Civil local movements	143,913	-2.6	27,515	19.3	171,428	0.3
Military local movements	1,055	-36.8	738	37.2	1,793	-18.7
Local total	144,968	-3.0	28,253	19.7	173,221	0.1

Analysis

Aircraft take-offs and landings at Canadian airports with NAV CANADA air traffic control towers and flight service stations increased (1.7%) in October 2008 compared with October 2007. These 95 airports reported 554,398 movements in October 2008 compared with 545,012 movements in October 2007.

Itinerant movements (flights from one airport to another) grew 2.5% (+9,253 movements) in October 2008 compared with the same month a year earlier.

Local movements (flights that remain in the vicinity of the airport) edged up by 0.1% (+133 movements) in October 2008 over the previous year.

Airports with NAV CANADA air traffic control towers

The 42 Canadian airports with NAV CANADA air traffic control towers reported 449,427 aircraft take-offs and landings in October up 1.5% (+6,592 movements) compared with October 2007. Year-over-year increases in aircraft movements were reported by 18 of these airports in October 2008. The variations ranged from an increase of 88.9% at London, Ontario to a decline of 43.0% at Gander International, Newfoundland and Labrador.

Itinerant movements (flights from one airport to another) increased 3.8% in October compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 58.3% increase (+2,878 movements) at London, Ontario to a decline of 28.5% (-948 movements) at Gander International, Newfoundland and Labrador.

Local movements (flights that remain in the vicinity of the airport) declined by 4,520 movements (-3.0%) in October compared with October 2007. London, Ontario recorded the largest gain in local movements, increasing by 5,182 movements (+125.5%) while Calgary/Springbank, Alberta reported 3,186 fewer movements (-27.8%) compared with the previous year.

The Air Traffic Control Tower at Sudbury, Ontario closed in June 2008 and re-opened as a Flight Service Station. Sudbury reported 2,772 movements in October 2007 compared with 2,773 movements reported for the Flight Service Station in October 2008.

The Flight Service Station at Fort McMurray, Alberta closed effective October 2008 and re-opened as an Air Traffic Control Tower. Fort McMurray reported 6,323 movements in October 2007 compared with 6,532 movements reported for the Air Traffic Control Tower in October 2008.

Airports with NAV CANADA flight service stations

The 53 Canadian airports with NAV CANADA flight service stations reported 104,971 aircraft take-offs and landings in October up 2.7% (+2,794 movements) compared with October 2007. Year-over-year increases in aircraft movements were reported by 26 of these airports in October 2008. The variations ranged from a 106.4% increase (+4,698 movements) at Fredericton International, New Brunswick to a decline of 41.8% (-662 movements) at Terrace, British Columbia.

Itinerant movements (flights from one airport to another) decreased by 2.4% (-1,859 movements) in October 2008 compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 55.9% increase (+1,557 movements) at Fredericton International, New Brunswick to a decline of 35.1% (-492 movements) at Terrace, British Columbia.

Local movements (flights that remain in the vicinity of the airport) recorded in October 2008 rose by 19.7% (+4,653 movements) compared with the same month a year earlier. Fredericton International, New Brunswick recorded the largest gain in local movements, increasing by 3,141 movements (+192.7%) compared with October 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	10	14,863	21	5,499	1	9,364
Boundary Bay	7	15,691	13	7,387	4	8,304
Calgary International	3	20,841	3	20,707	38	134
Calgary/Springbank	11	14,643	17	6,385	5	8,258
Chicoutimi/St-Honoré	28	6,736	39	2,008	15	4,728
Edmonton City Centre	25	7,403	16	6,554	30	849
Edmonton International	19	11,449	7	11,232	36	217
Edmonton/Villeneuve	30	6,167	41	1,275	13	4,892
Fort McMurray	29	6,532	20	5,731	31	801
Gander International	38	3,925	36	2,381	26	1,544
Halifax/Robert L. Stanfield International	26	7,245	15	6,753	34	492
Hamilton	32	5,391	32	3,254	23	2,137
Kelowna	24	7,557	25	4,730	22	2,827
Kitchener/Waterloo	18	11,469	23	4,969	9	6,500
Langley	22	8,356	30	3,570	14	4,786
London	5	17,123	12	7,811	2	9,312
Moncton/Greater Moncton International	14	12,473	14	7,160	12	5,313
Montréal/Mirabel International	41	2,619	40	1,896	32	723
Montréal/Pierre Elliott Trudeau International	4	19,220	4	19,220	0	0
Montréal/St-Hubert	12	14,399	10	8,083	10	6,316
Oshawa	27	7,049	31	3,369	18	3,680
Ottawa/Macdonald-Cartier International	6	16,550	5	11,837	16	4,713
Pitt Meadows	13	12,971	26	4,084	3	8,887
Prince George	39	3,811	37	2,355	27	1,456
Québec/Jean Lesage International	17	11,764	9	8,556	19	3,208
Regina International	36	4,983	28	3,807	28	1,176
Saskatoon/John G. Diefenbaker International	21	10,251	18	6,312	17	3,939
Sault Ste. Marie	31	5,487	35	2,421	20	3,066
St. John's International	40	3,278	33	3,111	37	167
St-Jean	34	5,142	34	3,016	24	2,126
Thunder Bay	15	12,416	19	5,834	8	6,582
Toronto/Butterville Municipal	8	15,527	11	7,861	6	7,666
Toronto/City Centre	23	7,849	24	4,853	21	2,996
Toronto/Lester B. Pearson International	1	36,227	1	36,227	0	0
Vancouver Harbour	35	5,071	22	5,055	39	16
Vancouver International	2	27,488	2	27,488	0	0
Victoria International	9	15,360	8	9,092	11	6,268
Whitehorse International	42	1,535	42	1,239	35	296
Windsor	37	4,355	38	2,278	25	2,077
Winnipeg/James Armstrong Richardson International	16	12,078	6	11,435	33	643
Winnipeg/St. Andrews	20	10,986	29	3,636	7	7,350
Yellowknife	33	5,147	27	3,988	29	1,159
Total of NAV CANADA towers (42)	.	449,427	.	304,459	.	144,968

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	22	1,960	20	1,562	15	398
Campbell River	10	3,071	21	1,553	7	1,518
Castlegar	35	1,100	45	758	17	342
Charlottetown	27	1,594	28	1,300	18	294
Churchill	34	1,123	30	1,121	48	2
Cranbrook	41	978	44	778	24	200
Deer Lake	29	1,435	24	1,435	0	0
Fort McMurray	..	..	..	..	..	..
Fort Nelson	26	1,699	23	1,439	20	260
Fort St John	20	2,230	11	2,040	26	190
Fredericton International	1	9,113	1	4,342	1	4,771
Grande Prairie	4	3,781	4	2,551	8	1,230
High Level	40	980	38	948	40	32
Îles-de-la-Madeleine	52	351	52	351	0	0
Inuvik/Mike Zubko	28	1,499	27	1,309	27	190
Iqaluit	25	1,720	22	1,532	28	188
Kamloops	15	2,734	15	1,922	13	812
Kenora	33	1,182	35	974	23	208
Kingston	9	3,101	14	1,927	10	1,174
Kuujuuaq	36	1,089	33	1,041	37	48
Kuujuuarapik	49	579	49	579	0	0
La Grande Rivière	44	854	41	828	42	26
La Ronge	31	1,347	26	1,315	39	32
Lethbridge	14	2,761	19	1,581	9	1,180
Lloydminster	46	765	47	709	35	56
Medicine Hat	23	1,916	29	1,242	14	674
Mont-Joli	50	563	50	539	43	24
Nanaimo	11	2,937	12	2,027	12	910
Norman Wells	30	1,349	37	953	16	396
North Bay	2	5,047	13	1,993	2	3,054
Ottawa/Gatineau	12	2,925	25	1,403	6	1,522
Peace River	47	745	46	727	45	18
Penticton	7	3,459	16	1,823	4	1,636
Port Hardy	48	697	48	643	36	54
Prince Albert	24	1,911	18	1,719	25	192
Prince Rupert	53	341	53	317	44	24
Rankin Inlet	38	1,029	34	1,025	47	4
Red Deer Regional	3	3,921	6	2,291	5	1,630
Rouyn-Noranda	32	1,323	32	1,055	19	268
Saint John	21	2,005	17	1,783	22	222
Sept-Îles	17	2,316	10	2,160	29	156
Sioux Lookout	18	2,301	7	2,271	41	30
Smithers	39	987	40	883	31	104
St Anthony	51	414	51	414	0	0
St Catharines	8	3,219	8	2,245	11	974
Sudbury	13	2,773	5	2,536	21	237
Terrace	42	923	39	911	46	12
Thompson	16	2,656	3	2,564	33	92
Timmins	19	2,300	9	2,164	30	136
Val-d'Or	37	1,074	36	974	32	100
Victoria Harbour	6	3,524	2	3,483	38	41
Wabush	45	783	43	783	0	0
Whitecourt	5	3,593	31	1,069	3	2,524
Williams Lake	43	894	42	826	34	68
Total of all flight service stations (53)	.	104,971	.	76,718	.	28,253

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	14,810	4,133	1,325	9,352	53	41	12
Boundary Bay	15,683	6,031	1,348	8,304	8	8	0
Calgary International	20,735	18,888	1,717	130	106	102	4
Calgary/Springbank	14,629	4,688	1,687	8,254	14	10	4
Chicoutimi/St-Honoré	6,730	1,809	193	4,728	6	6	0
Edmonton City Centre	7,327	4,645	1,849	833	76	60	16
Edmonton International	11,273	10,685	397	191	176	150	26
Edmonton/Villeneuve	6,155	955	308	4,892	12	12	0
Fort McMurray	6,524	5,047	676	801	8	8	0
Gander International	3,385	1,656	353	1,376	540	372	168
Halifax/Robert L Stanfield International	7,065	6,188	445	432	180	120	60
Hamilton	5,371	2,465	779	2,127	20	10	10
Kelowna	7,528	3,968	737	2,823	29	25	4
Kitchener/Waterloo	11,438	3,780	1,158	6,500	31	31	0
Langley	8,356	2,415	1,155	4,786	0	0	0
London	17,112	6,582	1,218	9,312	11	11	0
Moncton/Greater Moncton International	12,378	6,608	469	5,301	95	83	12
Montréal/Mirabel International	2,493	1,373	437	683	126	86	40
Montréal/Pierre Elliott Trudeau International	19,198	17,319	1,879	0	22	22	0
Montréal/St-Hubert	14,174	6,234	1,624	6,316	225	225	0
Oshawa	7,043	2,634	729	3,680	6	6	0
Ottawa/Macdonald-Cartier International	16,276	10,379	1,220	4,677	274	238	36
Pitt Meadows	12,907	2,801	1,219	8,887	64	64	0
Prince George	3,787	1,850	481	1,456	24	24	0
Québec/Jean Lesage International	11,599	6,582	1,813	3,204	165	161	4
Regina International	4,691	2,910	639	1,142	292	258	34
Saskatoon/John G Diefenbaker International	10,095	5,072	1,120	3,903	156	120	36
Sault Ste. Marie	5,439	2,166	219	3,054	48	36	12
St. John's International	3,086	2,666	253	167	192	192	0
St-Jean	4,160	797	1,237	2,126	982	982	0
Thunder Bay	12,340	5,372	398	6,570	76	64	12
Toronto/Buttonville Municipal	15,523	5,394	2,463	7,666	4	4	0
Toronto/City Centre	7,841	4,081	764	2,996	8	8	0
Toronto/Lester B Pearson International	36,201	34,681	1,520	0	26	26	0
Vancouver Harbour	5,071	4,987	68	16	0	0	0
Vancouver International	27,457	26,029	1,428	0	31	31	0
Victoria International	14,946	7,438	1,483	6,025	414	171	243
Whitehorse International	1,501	984	225	292	34	30	4
Windsor	4,353	1,837	439	2,077	2	2	0
Winnipeg/James Armstrong Richardson International	11,253	10,099	667	487	825	669	156
Winnipeg/St. Andrews	10,962	3,288	326	7,348	24	22	2
Yellowknife	4,908	3,780	129	999	239	79	160
Total of NAV CANADA towers (42)	443,803	261,296	38,594	143,913	5,624	4,569	1,055

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	1,374	418	606	350	586	538	48
Campbell River	3,059	1,240	301	1,518	12	12	0
Castlegar	1,094	682	70	342	6	6	0
Charlottetown	1,551	1,064	193	294	43	43	0
Churchill	1,113	1,059	52	2	10	10	0
Cranbrook	972	596	176	200	6	6	0
Deer Lake	1,435	1,376	59	0	0	0	0
Fort McMurray	..	..	..	..	..	..	..
Fort Nelson	1,649	1,269	120	260	50	50	0
Fort St John	2,230	1,836	204	190	0	0	0
Fredericton International	8,872	3,820	289	4,763	241	233	8
Grande Prairie	3,779	1,970	579	1,230	2	2	0
High Level	980	846	102	32	0	0	0
Îles-de-la-Madeleine	345	310	35	0	6	6	0
Inuvik/Mike Zubko	1,395	1,221	36	138	104	52	52
Iqaluit	1,689	1,339	162	188	31	31	0
Kamloops	2,626	1,398	454	774	108	70	38
Kenora	1,135	812	123	200	47	39	8
Kingston	3,057	1,427	470	1,160	44	30	14
Kuujuuaq	1,085	982	55	48	4	4	0
Kuujuuarapik	579	575	4	0	0	0	0
La Grande Rivière	854	780	48	26	0	0	0
La Ronge	1,340	1,137	171	32	7	7	0
Lethbridge	2,729	1,181	374	1,174	32	26	6
Lloydminster	747	268	423	56	18	18	0
Medicine Hat	1,861	978	243	640	55	21	34
Mont-Joli	559	473	62	24	4	4	0
Nanaimo	2,382	1,254	744	384	555	29	526
Norman Wells	1,335	902	37	396	14	14	0
North Bay	4,993	1,468	471	3,054	54	54	0
Ottawa/Gatineau	2,911	802	587	1,522	14	14	0
Peace River	745	566	161	18	0	0	0
Penticton	3,381	1,422	323	1,636	78	78	0
Port Hardy	694	563	77	54	3	3	0
Prince Albert	1,890	1,452	246	192	21	21	0
Prince Rupert	341	279	38	24	0	0	0
Rankin Inlet	1,025	1,004	17	4	4	4	0
Red Deer Regional	3,910	1,565	715	1,630	11	11	0
Rouyn-Noranda	1,323	888	167	268	0	0	0
Saint John	1,909	1,313	378	218	96	92	4
Sept-Îles	2,294	1,939	199	156	22	22	0
Sioux Lookout	2,297	2,220	47	30	4	4	0
Smithers	987	777	106	104	0	0	0
St Anthony	414	371	43	0	0	0	0
St Catharines	2,762	661	1,127	974	457	457	0
Sudbury	2,763	2,192	334	237	10	10	0
Terrace	923	866	45	12	0	0	0
Thompson	2,652	2,404	156	92	4	4	0
Timmins	2,300	1,938	226	136	0	0	0
Val-d'Or	1,070	808	162	100	4	4	0
Victoria Harbour	3,515	3,103	371	41	9	9	0
Wabush	778	756	22	0	5	5	0
Whitecourt	3,591	901	166	2,524	2	2	0
Williams Lake	890	650	172	68	4	4	0
Total of all flight service stations (53)	102,184	62,121	12,548	27,515	2,787	2,049	738

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	5,499	581	2,548	1,004	1,115	210	41
Boundary Bay	7,387	9	1,394	4,628	1,317	31	8
Calgary International	20,707	17,059	1,242	587	1,548	169	102
Calgary/Springbank	6,385	98	853	3,737	1,657	30	10
Chicoutimi/St-Honoré	2,008	13	608	1,188	191	2	6
Edmonton City Centre	6,554	1,841	1,024	1,780	1,442	407	60
Edmonton International	11,232	10,243	324	118	392	5	150
Edmonton/Villeneuve	1,275	3	191	761	306	2	12
Fort McMurray	5,731	3,186	1,396	465	640	36	8
Gander International	2,381	523	1,087	46	328	25	372
Halifax/Robert L. Stanfield International	6,753	5,594	431	163	384	61	120
Hamilton	3,254	1,459	853	153	631	148	10
Kelowna	4,730	2,461	435	1,072	644	93	25
Kitchener/Waterloo	4,969	445	2,778	557	1,139	19	31
Langley	3,570	110	155	2,150	1,140	15	0
London	7,811	1,267	1,321	3,994	1,145	73	11
Moncton/Greater Moncton International	7,160	1,961	4,545	102	276	193	83
Montréal/Mirabel International	1,896	834	374	165	425	12	86
Montréal/Pierre Elliott Trudeau International	19,220	15,928	655	736	1,659	220	22
Montréal/St-Hubert	8,083	3,266	534	2,434	1,534	90	225
Oshawa	3,369	191	149	2,294	712	17	6
Ottawa/Macdonald-Cartier International	11,837	7,190	367	2,822	678	542	238
Pitt Meadows	4,084	68	947	1,786	1,205	14	64
Prince George	2,355	1,321	430	99	330	151	24
Québec/Jean Lesage International	8,556	4,249	818	1,515	1,225	588	161
Regina International	3,807	2,171	680	59	421	218	258
Saskatoon/John G. Diefenbaker International	6,312	3,292	1,217	563	740	380	120
Sault Ste. Marie	2,421	906	150	1,110	167	52	36
St. John's International	3,111	1,942	656	68	154	99	192
St-Jean	3,016	202	152	443	1,219	18	982
Thunder Bay	5,834	2,986	791	1,595	279	119	64
Toronto/Buttonville Municipal	7,861	360	639	4,395	2,439	24	4
Toronto/City Centre	4,853	1,624	1,009	1,448	744	20	8
Toronto/Lester B. Pearson International	36,227	33,937	603	141	1,491	29	26
Vancouver Harbour	5,055	4,401	333	253	68	0	0
Vancouver International	27,488	23,811	1,714	504	1,081	347	31
Victoria International	9,092	3,492	2,987	959	1,395	88	171
Whitehorse International	1,239	752	212	20	201	24	30
Windsor	2,278	583	1,122	132	425	14	2
Winnipeg/James Armstrong Richardson International	11,435	9,336	658	105	353	314	669
Winnipeg/St. Andrews	3,636	479	2,011	798	324	2	22
Yellowknife	3,988	3,325	361	94	64	65	79
Total of NAV CANADA towers (42)	304,459	173,499	40,754	47,043	33,628	4,966	4,569

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	1,562	132	232	54	593	13	538
Campbell River	1,553	571	296	373	277	24	12
Castlegar	758	298	64	320	68	2	6
Charlottetown	1,300	738	102	224	133	60	43
Churchill	1,121	945	69	45	38	14	10
Cranbrook	778	522	62	12	164	12	6
Deer Lake	1,435	1,169	168	39	32	27	0
Fort McMurray	..	..	..	..	..	..	..
Fort Nelson	1,439	352	492	425	114	6	50
Fort St John	2,040	841	814	181	189	15	0
Fredericton International	4,342	838	2,788	194	175	114	233
Grande Prairie	2,551	1,044	846	80	518	61	2
High Level	948	176	645	25	82	20	0
Îles-de-la-Madeleine	351	290	6	14	5	30	6
Inuvik/Mike Zubko	1,309	415	780	26	16	20	52
Iqaluit	1,532	1,028	231	80	81	81	31
Kamloops	1,922	1,053	194	151	385	69	70
Kenora	974	440	348	24	99	24	39
Kingston	1,927	559	350	518	427	43	30
Kuujuaq	1,041	887	95	0	19	36	4
Kuujuarapik	579	551	22	2	2	2	0
La Grande Rivière	828	520	251	9	36	12	0
La Ronge	1,315	1,087	26	24	82	89	7
Lethbridge	1,581	505	37	639	354	20	26
Lloydminster	709	114	117	37	397	26	18
Medicine Hat	1,242	886	60	32	231	12	21
Mont-Joli	539	420	35	18	33	29	4
Nanaimo	2,027	488	570	196	700	44	29
Norman Wells	953	679	223	0	24	13	14
North Bay	1,993	508	597	363	437	34	54
Ottawa/Gatineau	1,403	118	297	387	543	44	14
Peace River	727	398	150	18	138	23	0
Penticton	1,823	505	772	145	303	20	78
Port Hardy	643	478	67	18	42	35	3
Prince Albert	1,719	1,356	69	27	125	121	21
Prince Rupert	317	226	48	5	16	22	0
Rankin Inlet	1,025	858	144	2	11	6	4
Red Deer Regional	2,291	371	955	239	674	41	11
Rouyn-Noranda	1,055	616	145	127	129	38	0
Saint John	1,783	852	323	138	352	26	92
Sept-Îles	2,160	1,358	517	64	141	58	22
Sioux Lookout	2,271	1,885	327	8	45	2	4
Smithers	883	514	176	87	74	32	0
St Anthony	414	291	23	57	4	39	0
St Catharines	2,245	11	589	61	1,119	8	457
Sudbury	2,536	1,567	590	35	268	66	10
Terrace	911	554	269	43	20	25	0
Thompson	2,564	2,186	210	8	17	139	4
Timmins	2,164	1,586	296	56	205	21	0
Val-d'Or	974	727	66	15	120	42	4
Victoria Harbour	3,483	3,012	22	69	306	65	9
Wabush	783	638	96	22	16	6	5
Whitecourt	1,069	57	519	325	156	10	2
Williams Lake	826	471	127	52	162	10	4
Total of all flight service stations (53)	76,718	38,691	17,317	6,113	10,697	1,851	2,049

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	5,499	1,406	25.5	4,093	74.4	842
Boundary Bay	7,387	407	5.5	6,980	94.4	555
Calgary International	20,707	19,196	92.7	1,511	7.2	854
Calgary/Springbank	6,385	348	5.4	6,037	94.5	2,764
Chicoutimi/St-Honoré	2,008	199	9.9	1,809	90.0	95
Edmonton City Centre	6,554	3,043	46.4	3,511	53.5	1,933
Edmonton International	11,232	10,752	95.7	480	4.2	826
Edmonton/Villeneuve	1,275	14	1.0	1,261	98.9	134
Fort McMurray	5,731	2,627	45.8	3,104	54.1	179
Gander International	2,381	1,259	52.8	1,122	47.1	112
Halifax/Robert L. Stanfield International	6,753	6,176	91.4	577	8.5	356
Hamilton	3,254	1,981	60.8	1,273	39.1	686
Kelowna	4,730	2,636	55.7	2,094	44.2	562
Kitchener/Waterloo	4,969	1,036	20.8	3,933	79.1	683
Langley	3,570	74	2.0	3,496	97.9	1,372
London	7,811	1,672	21.4	6,139	78.5	598
Moncton/Greater Moncton International	7,160	2,393	33.4	4,767	66.5	318
Montréal/Mirabel International	1,896	1,098	57.9	798	42.0	1,446
Montréal/Pierre Elliott Trudeau International	19,220	18,311	95.2	909	4.7	1,662
Montréal/St-Hubert	8,083	1,422	17.5	6,661	82.4	1,235
Oshawa	3,369	117	3.4	3,252	96.5	541
Ottawa/Macdonald-Cartier International	11,837	8,141	68.7	3,696	31.2	902
Pitt Meadows	4,084	48	1.1	4,036	98.8	2,190
Prince George	2,355	1,437	61.0	918	38.9	441
Québec/Jean Lesage International	8,556	5,168	60.4	3,388	39.5	1,693
Regina International	3,807	2,695	70.7	1,112	29.2	69
Saskatoon/John G. Diefenbaker International	6,312	3,994	63.2	2,318	36.7	193
Sault Ste. Marie	2,421	1,139	47.0	1,282	52.9	116
St. John's International	3,111	2,851	91.6	260	8.3	310
St-Jean	3,016	175	5.8	2,841	94.1	253
Thunder Bay	5,834	3,631	62.2	2,203	37.7	261
Toronto/Butterville Municipal	7,861	864	10.9	6,997	89.0	715
Toronto/City Centre	4,853	2,046	42.1	2,807	57.8	1,770
Toronto/Lester B. Pearson International	36,227	36,073	99.5	154	0.4	61
Vancouver Harbour	5,055	149	2.9	4,906	97.0	2,685
Vancouver International	27,488	20,307	73.8	7,181	26.1	4,633
Victoria International	9,092	3,833	42.1	5,259	57.8	3,747
Whitehorse International	1,239	506	40.8	733	59.1	198
Windsor	2,278	755	33.1	1,523	66.8	99
Winnipeg/James Armstrong Richardson International	11,435	9,973	87.2	1,462	12.7	294
Winnipeg/St. Andrews	3,636	73	2.0	3,563	97.9	91
Yellowknife	3,988	2,415	60.5	1,573	39.4	284
Total of NAV CANADA towers (42)	304,459	182,440	59.9	122,019	40.1	38,758

1. Total excludes runway 88 flights.

Table 4-2

Itinerant movements by I.F.R. (Instrument flight rules) and V.F.R. (Visual flight rules) and runway 88 movements — NAV CANADA flight service stations

	Itinerant movements					Runway 88
	Total of IFR and VFR flights ¹	Instrument flight rules	Percentage instrument flight rules	Visual flight rules	Percentage visual flight rules	
	number		percent	number	percent	
Brandon Municipal	1,562	204	13.0	1,358	86.9	32
Campbell River	1,553	511	32.9	1,042	67.0	245
Castlegar	758	284	37.4	474	62.5	83
Charlottetown	1,300	865	66.5	435	33.4	40
Churchill	1,121	961	85.7	160	14.2	568
Cranbrook	778	549	70.5	229	29.4	145
Deer Lake	1,435	1,337	93.1	98	6.8	95
Fort McMurray	..	..	..	..	..	..
Fort Nelson	1,439	394	27.3	1,045	72.6	237
Fort St John	2,040	843	41.3	1,197	58.6	95
Fredericton International	4,342	1,311	30.1	3,031	69.8	120
Grande Prairie	2,551	1,315	51.5	1,236	48.4	276
High Level	948	273	28.7	675	71.2	305
Îles-de-la-Madeleine	351	329	93.7	22	6.2	2
Inuvik/Mike Zubko	1,309	346	26.4	963	73.5	7
Iqaluit	1,532	1,218	79.5	314	20.4	22
Kamloops	1,922	1,125	58.5	797	41.4	218
Kenora	974	579	59.4	395	40.5	151
Kingston	1,927	734	38.0	1,193	61.9	137
Kuujuaq	1,041	472	45.3	569	54.6	101
Kuujuarapik	579	270	46.6	309	53.3	10
La Grande Rivière	828	597	72.1	231	27.8	222
La Ronge	1,315	821	62.4	494	37.5	424
Lethbridge	1,581	583	36.8	998	63.1	55
Lloydminster	709	254	35.8	455	64.1	52
Medicine Hat	1,242	420	33.8	822	66.1	259
Mont-Joli	539	438	81.2	101	18.7	35
Nanaimo	2,027	576	28.4	1,451	71.5	774
Norman Wells	953	206	21.6	747	78.3	115
North Bay	1,993	769	38.5	1,224	61.4	374
Ottawa/Gatineau	1,403	184	13.1	1,219	86.8	100
Peace River	727	384	52.8	343	47.1	96
Penticton	1,823	471	25.8	1,352	74.1	139
Port Hardy	643	240	37.3	403	62.6	233
Prince Albert	1,719	1,391	80.9	328	19.0	61
Prince Rupert	317	250	78.8	67	21.1	11
Rankin Inlet	1,025	822	80.1	203	19.8	9
Red Deer Regional	2,291	404	17.6	1,887	82.3	439
Rouyn-Noranda	1,055	826	78.2	229	21.7	54
Saint John	1,783	1,197	67.1	586	32.8	31
Sept-Îles	2,160	1,565	72.4	595	27.5	297
Sioux Lookout	2,271	1,895	83.4	376	16.5	418
Smithers	883	487	55.1	396	44.8	379
St Anthony	414	255	61.5	159	38.4	0
St Catharines	2,245	131	5.8	2,114	94.1	346
Sudbury	2,536	1,913	75.4	623	24.5	138
Terrace	911	568	62.3	343	37.6	102
Thompson	2,564	1,785	69.6	779	30.3	131
Timmins	2,164	1,746	80.6	418	19.3	216
Val-d'Or	974	810	83.1	164	16.8	514
Victoria Harbour	3,483	128	3.6	3,355	96.3	1,124
Wabush	783	711	90.8	72	9.1	143
Whitecourt	1,069	105	9.8	964	90.1	129
Williams Lake	826	475	57.5	351	42.4	198
Total of all flight service stations (53)	76,718	37,327	48.7	39,391	51.3	10,507

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	5,499	524	254	3,311	1,408	2
Boundary Bay	7,387	9	123	6,848	405	2
Calgary International	20,707	13,849	5,200	1,077	581	0
Calgary/Springbank	6,385	40	213	5,232	900	0
Chicoutimi/St-Honoré	2,008	5	137	1,555	311	0
Edmonton City Centre	6,554	503	2,424	2,573	1,053	1
Edmonton International	11,232	7,575	3,242	365	50	0
Edmonton/Villeneuve	1,275	11	16	1,095	136	17
Fort McMurray	5,731	1,411	1,696	1,298	1,319	7
Gander International	2,381	621	530	945	284	1
Halifax/Robert L Stanfield International	6,753	4,087	1,810	525	331	0
Hamilton	3,254	1,325	559	1,281	88	1
Kelowna	4,730	1,368	1,385	1,532	445	0
Kitchener/Waterloo	4,969	225	515	3,846	381	2
Langley	3,570	0	90	2,911	569	0
London	7,811	374	1,288	5,941	208	0
Moncton/Greater Moncton International	7,160	1,256	853	4,937	112	2
Montréal/Mirabel International	1,896	804	367	564	161	0
Montréal/Pierre Elliott Trudeau International	19,220	12,283	5,832	750	355	0
Montréal/St-Hubert	8,083	274	778	6,406	624	1
Oshawa	3,369	8	178	3,055	127	1
Ottawa/Macdonald-Cartier International	11,837	5,921	2,201	3,369	346	0
Pitt Meadows	4,084	9	20	3,721	307	27
Prince George	2,355	454	1,080	316	500	5
Québec/Jean Lesage International	8,556	1,598	3,274	2,597	1,085	2
Regina International	3,807	1,579	882	1,300	44	2
Saskatoon/John G Diefenbaker International	6,312	1,888	2,033	2,358	33	0
Sault Ste. Marie	2,421	38	1,060	1,287	35	1
St. John's International	3,111	1,322	1,378	73	338	0
St-Jean	3,016	4	30	2,132	28	822
Thunder Bay	5,834	928	2,733	1,872	301	0
Toronto/Buttonville Municipal	7,861	81	450	6,770	559	1
Toronto/City Centre	4,853	5	2,067	2,296	485	0
Toronto/Lester B Pearson International	36,227	29,408	6,719	78	22	0
Vancouver Harbour	5,055	0	2,652	1,425	978	0
Vancouver International	27,488	11,789	10,236	4,183	1,280	0
Victoria International	9,092	1,352	2,552	4,691	497	0
Whitehorse International	1,239	265	427	407	140	0
Windsor	2,278	103	597	1,536	42	0
Winnipeg/James Armstrong Richardson International	11,435	5,471	4,558	1,292	114	0
Winnipeg/St. Andrews	3,636	0	422	3,069	145	0
Yellowknife	3,988	778	2,567	321	322	0
Total of NAV CANADA towers (42)	304,459	109,545	75,428	101,140	17,449	897

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	1,562	21	198	901	74	368
Campbell River	1,553	27	615	497	414	0
Castlegar	758	8	307	328	115	0
Charlottetown	1,300	367	368	516	49	0
Churchill	1,121	31	1,037	21	32	0
Cranbrook	778	24	483	218	53	0
Deer Lake	1,435	277	1,054	60	44	0
Fort McMurray	..	..	..	..	..	..
Fort Nelson	1,439	48	386	266	739	0
Fort St John	2,040	287	599	260	894	0
Fredericton International	4,342	293	757	3,032	260	0
Grande Prairie	2,551	170	1,059	792	528	2
High Level	948	4	360	341	243	0
Îles-de-la-Madeleine	351	12	264	73	2	0
Inuvik/Mike Zubko	1,309	144	819	183	163	0
Iqaluit	1,532	370	1,040	35	87	0
Kamloops	1,922	44	1,145	502	231	0
Kenora	974	17	560	240	157	0
Kingston	1,927	39	661	1,102	125	0
Kuujuaq	1,041	154	796	4	87	0
Kuujuarapik	579	2	561	4	12	0
La Grande Rivière	828	12	709	47	60	0
La Ronge	1,315	10	1,086	193	26	0
Lethbridge	1,581	42	558	946	35	0
Lloydminster	709	18	166	479	46	0
Medicine Hat	1,242	28	534	595	85	0
Mont-Joli	539	11	380	121	27	0
Nanaimo	2,027	12	511	1,401	90	13
Norman Wells	953	160	391	283	119	0
North Bay	1,993	49	765	604	539	36
Ottawa/Gatineau	1,403	12	138	1,082	171	0
Peace River	727	18	434	135	140	0
Penticton	1,823	28	525	712	558	0
Port Hardy	643	13	436	98	96	0
Prince Albert	1,719	10	1,455	184	70	0
Prince Rupert	317	21	230	7	59	0
Rankin Inlet	1,025	125	751	5	144	0
Red Deer Regional	2,291	50	615	1,443	183	0
Rouyn-Noranda	1,055	90	776	172	14	3
Saint John	1,783	412	562	677	132	0
Sept-Îles	2,160	26	1,308	532	294	0
Sioux Lookout	2,271	0	1,981	247	43	0
Smithers	883	24	569	40	250	0
St Anthony	414	11	332	18	53	0
St Catharines	2,245	26	20	1,374	476	349
Sudbury	2,536	29	1,902	341	264	0
Terrace	911	23	571	13	304	0
Thompson	2,564	22	2,185	251	106	0
Timmins	2,164	7	1,863	261	33	0
Val-d'Or	974	122	679	112	61	0
Victoria Harbour	3,483	0	2,325	306	852	0
Wabush	783	18	641	70	54	0
Whitecourt	1,069	4	136	153	776	0
Williams Lake	826	24	489	162	151	0
Total of all flight service stations (53)	76,718	3,796	39,092	22,439	10,620	771

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	4,239	443	192	40	20	50	487	28	0	0
Boundary Bay	6,829	367	165	9	17	0	0	0	0	0
Calgary International	1,032	699	1,808	1,996	1,123	4,183	7,632	1,255	406	573
Calgary/Springbank	5,558	569	192	49	15	2	0	0	0	0
Chicoutimi/St-Honoré	1,652	213	134	2	1	4	0	2	0	0
Edmonton City Centre	3,037	603	1,891	707	232	43	5	36	0	0
Edmonton International	249	241	701	917	541	2,685	5,188	378	226	106
Edmonton/Villeneuve	1,139	44	92	0	0	0	0	0	0	0
Fort McMurray	2,048	922	690	581	314	760	416	0	0	0
Gander International	906	50	204	222	426	305	64	141	16	47
Halifax/Robert L Stanfield International	239	330	444	829	945	1,329	1,971	329	174	163
Hamilton	1,117	331	216	296	159	55	482	6	473	119
Kelowna	1,803	118	270	708	55	870	890	0	16	0
Kitchener/Waterloo	3,997	243	319	94	217	31	66	2	0	0
Langley	3,399	160	4	0	7	0	0	0	0	0
London	5,907	259	341	75	867	174	183	3	2	0
Moncton/Greater Moncton International	4,758	281	406	298	221	553	319	3	321	0
Montréal/Mirabel International	588	205	58	152	57	251	94	2	291	198
Montréal/Pierre Elliott Trudeau International	730	332	887	996	3,270	5,547	4,776	1,161	51	1,470
Montréal/St-Hubert	6,309	522	838	204	161	26	8	2	13	0
Oshawa	3,028	160	84	19	76	2	0	0	0	0
Ottawa/Macdonald-Cartier International	3,366	162	1,105	316	591	2,564	2,852	517	174	190
Pitt Meadows	3,938	105	27	8	1	5	0	0	0	0
Prince George	682	145	266	635	18	422	187	0	0	0
Québec/Jean Lesage International	3,034	594	904	326	1,576	1,742	271	26	6	77
Regina International	934	411	468	441	119	496	840	2	96	0
Saskatoon/John G Diefenbaker International	2,027	395	902	660	354	900	1,007	4	63	0
Sault Ste. Marie	1,248	136	540	84	333	73	0	7	0	0
St. John's International	83	38	378	452	797	57	1,041	164	89	12
St-Jean	2,878	92	46	0	0	0	0	0	0	0
Thunder Bay	1,904	207	2,336	294	163	606	316	8	0	0
Toronto/Buttonville Municipal	6,952	423	325	74	59	18	10	0	0	0
Toronto/City Centre	2,288	276	853	28	49	1,359	0	0	0	0
Toronto/Lester B Pearson International	29	397	311	2,631	3,931	8,169	13,457	3,268	509	3,525
Vancouver Harbour	118	3,224	1,583	0	130	0	0	0	0	0
Vancouver International	1,341	5,031	1,258	2,994	2,475	4,716	5,733	1,439	587	1,914
Victoria International	4,161	1,118	264	596	1,265	912	684	46	46	0
Whitehorse International	439	197	181	42	6	161	209	0	0	4
Windsor	1,487	120	70	124	400	71	5	0	0	1
Winnipeg/James Armstrong Richardson International	859	553	3,059	481	993	1,600	2,692	445	690	63
Winnipeg/St. Andrews	2,851	666	107	0	8	0	0	4	0	0
Yellowknife	349	621	848	231	311	867	574	187	0	0
Total of NAV CANADA towers (42)	99,532	22,003	25,767	18,611	22,303	41,608	52,459	9,465	4,249	8,462

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

	Gross take-off weight in kilograms									
	2 000 and under	2 001 to 4 000	4 001 to 5 670	5 671 to 9 000	9 001 to 18 000	18 001 to 35 000	35 001 to 70 000	70 001 to 90 000	90 001 to 136 000	136 001 and over
	number									
Brandon Municipal	1,279	33	188	19	13	0	0	30	0	0
Campbell River	841	55	40	396	217	4	0	0	0	0
Castlegar	421	10	24	75	2	223	3	0	0	0
Charlottetown	363	223	89	14	249	256	106	0	0	0
Churchill	45	78	199	118	159	501	21	0	0	0
Cranbrook	201	64	53	214	136	110	0	0	0	0
Deer Lake	52	51	131	144	790	128	139	0	0	0
Fort McMurray	..	..	..	..	..	..	..	..	..	..
Fort Nelson	866	180	121	155	115	2	0	0	0	0
Fort St John	1,096	43	274	266	125	232	4	0	0	0
Fredericton International	2,905	167	491	238	153	364	8	6	0	10
Grande Prairie	1,072	296	484	110	14	442	133	0	0	0
High Level	491	143	160	154	0	0	0	0	0	0
Îles-de-la-Madeleine	3	70	33	45	180	16	4	0	0	0
Inuvik/Mike Zubko	274	66	641	109	2	70	120	27	0	0
Iqaluit	44	50	393	150	240	348	190	18	99	0
Kamloops	607	107	106	406	128	562	6	0	0	0
Kenora	232	59	650	13	14	0	0	6	0	0
Kingston	1,139	56	139	521	51	19	0	2	0	0
Kuujuuaq	85	0	674	2	118	42	76	0	44	0
Kuujuuarapik	14	2	306	2	191	64	0	0	0	0
La Grande Rivière	70	116	124	18	128	370	2	0	0	0
La Ronge	88	142	489	129	240	223	0	4	0	0
Lethbridge	917	60	207	301	88	4	4	0	0	0
Lloydminster	442	74	93	93	2	5	0	0	0	0
Medicine Hat	626	50	308	252	4	0	0	2	0	0
Mont-Joli	57	89	143	48	129	69	4	0	0	0
Nanaimo	1,248	315	36	90	25	313	0	0	0	0
Norman Wells	298	151	288	12	8	42	154	0	0	0
North Bay	1,106	196	308	114	165	85	15	4	0	0
Ottawa/Gatineau	1,135	110	79	77	0	2	0	0	0	0
Peace River	207	66	404	42	8	0	0	0	0	0
Penticton	1,180	82	41	291	39	190	0	0	0	0
Port Hardy	83	103	227	73	153	4	0	0	0	0
Prince Albert	152	103	314	293	469	386	0	2	0	0
Prince Rupert	25	0	26	32	106	128	0	0	0	0
Rankin Inlet	140	17	225	130	290	98	125	0	0	0
Red Deer Regional	1,409	216	432	130	87	12	1	4	0	0
Rouyn-Noranda	176	14	379	6	260	168	52	0	0	0
Saint John	464	261	242	277	135	360	44	0	0	0
Sept-Îles	412	418	465	139	714	12	0	0	0	0
Sioux Lookout	102	175	1,434	560	0	0	0	0	0	0
Smithers	275	25	142	256	65	120	0	0	0	0
St Anthony	21	26	224	34	109	0	0	0	0	0
St Catharines	2,117	80	16	21	5	2	0	4	0	0
Sudbury	336	290	1,370	129	41	368	2	0	0	0
Terrace	269	46	37	251	115	193	0	0	0	0
Thompson	126	472	1,271	27	297	369	2	0	0	0
Timmins	207	225	1,001	89	439	202	1	0	0	0
Val-d'Or	136	30	274	15	306	134	10	0	69	0
Victoria Harbour	28	1,946	1,361	2	146	0	0	0	0	0
Wabush	50	71	102	61	497	2	0	0	0	0
Whitecourt	884	87	75	20	0	0	3	0	0	0
Williams Lake	283	30	79	398	32	0	4	0	0	0
Total of all flight service stations (53)	27,099	7,839	17,412	7,561	7,999	7,244	1,233	109	212	10

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Abbotsford							
Domestic	5,461	580	2,535	1,004	1,092	210	40
Transborder	38	1	13	0	23	0	1
Other international	0	0	0	0	0	0	0
Total	5,499	581	2,548	1,004	1,115	210	41
Boundary Bay							
Domestic	7,339	9	1,392	4,605	1,294	31	8
Transborder	48	0	2	23	23	0	0
Other international	0	0	0	0	0	0	0
Total	7,387	9	1,394	4,628	1,317	31	8
Calgary International							
Domestic	16,767	13,544	1,172	534	1,249	169	99
Transborder	3,496	3,086	68	53	286	0	3
Other international	444	429	2	0	13	0	0
Total	20,707	17,059	1,242	587	1,548	169	102
Calgary/Springbank							
Domestic	6,325	93	849	3,734	1,609	30	10
Transborder	60	5	4	3	48	0	0
Other international	0	0	0	0	0	0	0
Total	6,385	98	853	3,737	1,657	30	10
Chicoutimi/St-Honoré							
Domestic	2,008	13	608	1,188	191	2	6
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	2,008	13	608	1,188	191	2	6
Edmonton City Centre							
Domestic	6,490	1,832	1,013	1,771	1,409	406	59
Transborder	46	9	10	2	25	0	0
Other international	18	0	1	7	8	1	1
Total	6,554	1,841	1,024	1,780	1,442	407	60
Edmonton International							
Domestic	9,640	8,717	320	114	339	5	145
Transborder	1,482	1,423	3	4	51	0	1
Other international	110	103	1	0	2	0	4
Total	11,232	10,243	324	118	392	5	150
Edmonton/Villeneuve							
Domestic	1,272	3	191	760	304	2	12
Transborder	3	0	0	1	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,275	3	191	761	306	2	12
Fort McMurray							
Domestic	5,727	3,185	1,396	465	637	36	8
Transborder	4	1	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	5,731	3,186	1,396	465	640	36	8
Gander International							
Domestic	1,826	405	1,081	20	99	23	198
Transborder	241	38	0	8	114	1	80
Other international	314	80	6	18	115	1	94
Total	2,381	523	1,087	46	328	25	372
Halifax/Robert L Stanfield International							
Domestic	5,363	4,524	275	153	250	61	100
Transborder	1,052	888	48	3	104	0	9
Other international	338	182	108	7	30	0	11
Total	6,753	5,594	431	163	384	61	120

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							
Hamilton							
Domestic	2,789	1,149	848	149	487	146	10
Transborder	453	304	5	4	138	2	0
Other international	12	6	0	0	6	0	0
Total	3,254	1,459	853	153	631	148	10
Kelowna							
Domestic	4,477	2,271	426	1,072	590	93	25
Transborder	253	190	9	0	54	0	0
Other international	0	0	0	0	0	0	0
Total	4,730	2,461	435	1,072	644	93	25
Kitchener/Waterloo							
Domestic	4,536	260	2,726	552	949	18	31
Transborder	430	185	52	5	187	1	0
Other international	3	0	0	0	3	0	0
Total	4,969	445	2,778	557	1,139	19	31
Langley							
Domestic	3,562	110	155	2,149	1,133	15	0
Transborder	6	0	0	1	5	0	0
Other international	2	0	0	0	2	0	0
Total	3,570	110	155	2,150	1,140	15	0
London							
Domestic	7,401	998	1,313	3,990	1,019	73	8
Transborder	409	268	8	4	126	0	3
Other international	1	1	0	0	0	0	0
Total	7,811	1,267	1,321	3,994	1,145	73	11
Moncton/Greater Moncton International							
Domestic	7,062	1,888	4,545	101	254	192	82
Transborder	92	69	0	0	22	1	0
Other international	6	4	0	1	0	0	1
Total	7,160	1,961	4,545	102	276	193	83
Montréal/Mirabel International							
Domestic	1,666	622	374	164	408	12	86
Transborder	224	209	0	0	15	0	0
Other international	6	3	0	1	2	0	0
Total	1,896	834	374	165	425	12	86
Montréal/Pierre Elliott Trudeau International							
Domestic	11,204	8,784	536	654	997	220	13
Transborder	6,405	5,659	94	70	580	0	2
Other international	1,611	1,485	25	12	82	0	7
Total	19,220	15,928	655	736	1,659	220	22
Montréal/St-Hubert							
Domestic	7,910	3,244	531	2,431	1,392	87	225
Transborder	168	19	2	3	141	3	0
Other international	5	3	1	0	1	0	0
Total	8,083	3,266	534	2,434	1,534	90	225
Oshawa							
Domestic	3,343	188	147	2,294	691	17	6
Transborder	25	3	1	0	21	0	0
Other international	1	0	1	0	0	0	0
Total	3,369	191	149	2,294	712	17	6
Ottawa/Macdonald-Cartier International							
Domestic	9,554	5,071	351	2,811	573	527	221
Transborder	2,146	2,000	11	9	100	15	11
Other international	137	119	5	2	5	0	6
Total	11,837	7,190	367	2,822	678	542	238

Table 7-1 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Pitt Meadows							
Domestic	4,078	68	946	1,785	1,201	14	64
Transborder	4	0	0	1	3	0	0
Other international	2	0	1	0	1	0	0
Total	4,084	68	947	1,786	1,205	14	64
Prince George							
Domestic	2,329	1,310	430	99	315	151	24
Transborder	26	11	0	0	15	0	0
Other international	0	0	0	0	0	0	0
Total	2,355	1,321	430	99	330	151	24
Québec/Jean Lesage International							
Domestic	7,771	3,690	800	1,501	1,064	572	144
Transborder	615	511	1	4	90	2	7
Other international	170	48	17	10	71	14	10
Total	8,556	4,249	818	1,515	1,225	588	161
Regina International							
Domestic	3,560	2,010	676	59	344	217	254
Transborder	244	161	4	0	75	1	3
Other international	3	0	0	0	2	0	1
Total	3,807	2,171	680	59	421	218	258
Saskatoon/John G Diefenbaker International							
Domestic	5,972	3,019	1,211	561	683	379	119
Transborder	340	273	6	2	57	1	1
Other international	0	0	0	0	0	0	0
Total	6,312	3,292	1,217	563	740	380	120
Sault Ste. Marie							
Domestic	2,391	902	150	1,109	143	52	35
Transborder	30	4	0	1	24	0	1
Other international	0	0	0	0	0	0	0
Total	2,421	906	150	1,110	167	52	36
St. John's International							
Domestic	2,704	1,802	649	48	74	97	34
Transborder	191	76	0	4	35	0	76
Other international	216	64	7	16	45	2	82
Total	3,111	1,942	656	68	154	99	192
St-Jean							
Domestic	3,016	202	152	443	1,219	18	982
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	3,016	202	152	443	1,219	18	982
Thunder Bay							
Domestic	5,664	2,854	791	1,595	244	119	61
Transborder	170	132	0	0	35	0	3
Other international	0	0	0	0	0	0	0
Total	5,834	2,986	791	1,595	279	119	64
Toronto/Buttonville Municipal							
Domestic	7,576	306	615	4,374	2,253	24	4
Transborder	284	54	24	21	185	0	0
Other international	1	0	0	0	1	0	0
Total	7,861	360	639	4,395	2,439	24	4
Toronto/City Centre							
Domestic	4,273	1,255	989	1,447	555	19	8
Transborder	577	368	20	1	187	1	0
Other international	3	1	0	0	2	0	0
Total	4,853	1,624	1,009	1,448	744	20	8

Table 7-1 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Toronto/Lester B Pearson International							
Domestic	16,814	15,663	467	90	543	28	23
Transborder	15,783	14,706	124	36	914	1	2
Other international	3,630	3,568	12	15	34	0	1
Total	36,227	33,937	603	141	1,491	29	26
Vancouver Harbour							
Domestic	4,983	4,346	328	252	57	0	0
Transborder	72	55	5	1	11	0	0
Other international	0	0	0	0	0	0	0
Total	5,055	4,401	333	253	68	0	0
Vancouver International							
Domestic	21,624	18,346	1,671	491	747	346	23
Transborder	4,529	4,164	23	13	326	0	3
Other international	1,335	1,301	20	0	8	1	5
Total	27,488	23,811	1,714	504	1,081	347	31
Victoria International							
Domestic	8,384	3,074	2,941	946	1,169	87	167
Transborder	665	417	31	7	207	0	3
Other international	43	1	15	6	19	1	1
Total	9,092	3,492	2,987	959	1,395	88	171
Whitehorse International							
Domestic	1,194	746	212	20	164	24	28
Transborder	41	4	0	0	35	0	2
Other international	4	2	0	0	2	0	0
Total	1,239	752	212	20	201	24	30
Windsor							
Domestic	2,160	553	1,099	131	361	14	2
Transborder	105	30	18	1	56	0	0
Other international	13	0	5	0	8	0	0
Total	2,278	583	1,122	132	425	14	2
Winnipeg/James Armstrong Richardson International							
Domestic	10,231	8,287	647	88	244	313	652
Transborder	1,196	1,044	11	16	109	1	15
Other international	8	5	0	1	0	0	2
Total	11,435	9,336	658	105	353	314	669
Winnipeg/St. Andrews							
Domestic	3,631	478	2,011	798	320	2	22
Transborder	5	1	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	3,636	479	2,011	798	324	2	22
Yellowknife							
Domestic	3,985	3,324	361	94	62	65	79
Transborder	1	1	0	0	0	0	0
Other international	2	0	0	0	2	0	0
Total	3,988	3,325	361	94	64	65	79
Total of NAV CANADA towers (42)							
Domestic	254,062	129,725	39,930	46,646	28,728	4,916	4,117
Transborder	41,959	36,369	597	301	4,436	30	226
Other international	8,438	7,405	227	96	464	20	226
Total	304,459	173,499	40,754	47,043	33,628	4,966	4,569

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	1,544	132	232	54	578	13	535
Transborder	18	0	0	0	15	0	3
Other international	0	0	0	0	0	0	0
Total	1,562	132	232	54	593	13	538
Campbell River							
Domestic	1,511	569	295	373	238	24	12
Transborder	42	2	1	0	39	0	0
Other international	0	0	0	0	0	0	0
Total	1,553	571	296	373	277	24	12
Castlegar							
Domestic	747	298	63	316	62	2	6
Transborder	11	0	1	4	6	0	0
Other international	0	0	0	0	0	0	0
Total	758	298	64	320	68	2	6
Charlottetown							
Domestic	1,283	736	102	224	118	60	43
Transborder	16	1	0	0	15	0	0
Other international	1	1	0	0	0	0	0
Total	1,300	738	102	224	133	60	43
Churchill							
Domestic	1,119	945	69	45	36	14	10
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,121	945	69	45	38	14	10
Cranbrook							
Domestic	762	521	58	11	155	12	5
Transborder	16	1	4	1	9	0	1
Other international	0	0	0	0	0	0	0
Total	778	522	62	12	164	12	6
Deer Lake							
Domestic	1,434	1,169	168	39	31	27	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,435	1,169	168	39	32	27	0
Fort McMurray							
Domestic	..	..	..	..	..	..	..
Transborder	..	..	..	..	..	..	..
Other international	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	..
Fort Nelson							
Domestic	1,439	352	492	425	114	6	50
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,439	352	492	425	114	6	50
Fort St John							
Domestic	2,037	840	814	181	187	15	0
Transborder	3	1	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	2,040	841	814	181	189	15	0
Fredericton International							
Domestic	4,307	830	2,788	194	148	114	233
Transborder	34	7	0	0	27	0	0
Other international	1	1	0	0	0	0	0
Total	4,342	838	2,788	194	175	114	233

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	2,547	1,043	846	80	515	61	2
Transborder	4	1	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	2,551	1,044	846	80	518	61	2
High Level							
Domestic	948	176	645	25	82	20	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	948	176	645	25	82	20	0
Îles-de-la-Madeleine							
Domestic	345	285	6	14	4	30	6
Transborder	1	0	0	0	1	0	0
Other international	5	5	0	0	0	0	0
Total	351	290	6	14	5	30	6
Inuvik/Mike Zubko							
Domestic	1,307	414	780	26	16	20	51
Transborder	2	1	0	0	0	0	1
Other international	0	0	0	0	0	0	0
Total	1,309	415	780	26	16	20	52
Iqaluit							
Domestic	1,437	999	221	74	35	81	27
Transborder	31	5	10	1	15	0	0
Other international	64	24	0	5	31	0	4
Total	1,532	1,028	231	80	81	81	31
Kamloops							
Domestic	1,909	1,053	193	151	373	69	70
Transborder	13	0	1	0	12	0	0
Other international	0	0	0	0	0	0	0
Total	1,922	1,053	194	151	385	69	70
Kenora							
Domestic	952	438	348	24	80	24	38
Transborder	22	2	0	0	19	0	1
Other international	0	0	0	0	0	0	0
Total	974	440	348	24	99	24	39
Kingston							
Domestic	1,887	553	349	518	394	43	30
Transborder	40	6	1	0	33	0	0
Other international	0	0	0	0	0	0	0
Total	1,927	559	350	518	427	43	30
Kuujuuaq							
Domestic	1,039	887	95	0	17	36	4
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,041	887	95	0	19	36	4
Kuujuarapik							
Domestic	579	551	22	2	2	2	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	579	551	22	2	2	2	0
La Grande Rivière							
Domestic	828	520	251	9	36	12	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	828	520	251	9	36	12	0
La Ronge							
Domestic	1,314	1,087	26	24	81	89	7
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,315	1,087	26	24	82	89	7

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	1,517	504	34	633	300	20	26
Transborder	64	1	3	6	54	0	0
Other international	0	0	0	0	0	0	0
Total	1,581	505	37	639	354	20	26
Lloydminster							
Domestic	702	114	117	37	390	26	18
Transborder	7	0	0	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	709	114	117	37	397	26	18
Medicine Hat							
Domestic	1,233	885	60	32	223	12	21
Transborder	9	1	0	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	1,242	886	60	32	231	12	21
Mont-Joli							
Domestic	539	420	35	18	33	29	4
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	539	420	35	18	33	29	4
Nanaimo							
Domestic	1,992	488	570	196	665	44	29
Transborder	35	0	0	0	35	0	0
Other international	0	0	0	0	0	0	0
Total	2,027	488	570	196	700	44	29
Norman Wells							
Domestic	953	679	223	0	24	13	14
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	953	679	223	0	24	13	14
North Bay							
Domestic	1,980	504	596	363	429	34	54
Transborder	13	4	1	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	1,993	508	597	363	437	34	54
Ottawa/Gatineau							
Domestic	1,401	117	297	387	542	44	14
Transborder	2	1	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,403	118	297	387	543	44	14
Peace River							
Domestic	719	397	150	18	131	23	0
Transborder	8	1	0	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	727	398	150	18	138	23	0
Penticton							
Domestic	1,816	505	772	144	297	20	78
Transborder	7	0	0	1	6	0	0
Other international	0	0	0	0	0	0	0
Total	1,823	505	772	145	303	20	78
Port Hardy							
Domestic	637	478	67	18	36	35	3
Transborder	6	0	0	0	6	0	0
Other international	0	0	0	0	0	0	0
Total	643	478	67	18	42	35	3
Prince Albert							
Domestic	1,717	1,356	69	27	123	121	21
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
	number						
Total	1,719	1,356	69	27	125	121	21
Prince Rupert							
Domestic	310	226	48	4	10	22	0
Transborder	7	0	0	1	6	0	0
Other international	0	0	0	0	0	0	0
Total	317	226	48	5	16	22	0
Rankin Inlet							
Domestic	1,025	858	144	2	11	6	4
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,025	858	144	2	11	6	4
Red Deer Regional							
Domestic	2,280	369	955	239	665	41	11
Transborder	11	2	0	0	9	0	0
Other international	0	0	0	0	0	0	0
Total	2,291	371	955	239	674	41	11
Rouyn-Noranda							
Domestic	1,055	616	145	127	129	38	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,055	616	145	127	129	38	0
Saint John							
Domestic	1,690	847	321	138	266	26	92
Transborder	89	5	1	0	83	0	0
Other international	4	0	1	0	3	0	0
Total	1,783	852	323	138	352	26	92
Sept-Îles							
Domestic	2,157	1,358	517	64	138	58	22
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	2,160	1,358	517	64	141	58	22
Sioux Lookout							
Domestic	2,265	1,883	326	8	42	2	4
Transborder	6	2	1	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	2,271	1,885	327	8	45	2	4
Smithers							
Domestic	867	513	176	87	59	32	0
Transborder	16	1	0	0	15	0	0
Other international	0	0	0	0	0	0	0
Total	883	514	176	87	74	32	0
St Anthony							
Domestic	413	291	23	56	4	39	0
Transborder	0	0	0	0	0	0	0
Other international	1	0	0	1	0	0	0
Total	414	291	23	57	4	39	0
St Catharines							
Domestic	2,164	7	571	61	1,060	8	457
Transborder	81	4	18	0	59	0	0
Other international	0	0	0	0	0	0	0
Total	2,245	11	589	61	1,119	8	457
Sudbury							
Domestic	2,530	1,567	590	35	262	66	10
Transborder	6	0	0	0	6	0	0
Other international	0	0	0	0	0	0	0

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
	number						
Total	2,536	1,567	590	35	268	66	10
Terrace							
Domestic	910	554	269	43	19	25	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	911	554	269	43	20	25	0
Thompson							
Domestic	2,563	2,186	209	8	17	139	4
Transborder	0	0	0	0	0	0	0
Other international	1	0	1	0	0	0	0
Total	2,564	2,186	210	8	17	139	4
Timmins							
Domestic	2,158	1,584	295	56	202	21	0
Transborder	6	2	1	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	2,164	1,586	296	56	205	21	0
Val-d'Or							
Domestic	974	727	66	15	120	42	4
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	974	727	66	15	120	42	4
Victoria Harbour							
Domestic	3,234	3,012	22	69	57	65	9
Transborder	249	0	0	0	249	0	0
Other international	0	0	0	0	0	0	0
Total	3,483	3,012	22	69	306	65	9
Wabush							
Domestic	781	638	96	21	15	6	5
Transborder	2	0	0	1	1	0	0
Other international	0	0	0	0	0	0	0
Total	783	638	96	22	16	6	5
Whitecourt							
Domestic	1,069	57	519	325	156	10	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,069	57	519	325	156	10	2
Williams Lake							
Domestic	823	471	127	52	159	10	4
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	826	471	127	52	162	10	4
Total of all flight service stations (53)							
Domestic	75,749	38,609	17,272	6,092	9,886	1,851	2,039
Transborder	892	51	43	15	777	0	6
Other international	77	31	2	6	34	0	4
Total	76,718	38,691	17,317	6,113	10,697	1,851	2,049

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	10	14,863	28	14	127	27	686
Boundary Bay	7	15,691	22	14	114	21	828
Calgary International	3	20,841	9	14	82	9	850
Calgary/Springbank	11	14,643	10	14	104	30	696
Chicoutimi/St-Honoré	28	6,736	31	11	114	20	606
Edmonton City Centre	25	7,403	1	17	46	16	368
Edmonton International	19	11,449	31	13	45	30	474
Edmonton/Villeneuve	30	6,167	18	13	76	4	444
Fort McMurray	29	6,532	23	15	54	2	336
Gander International	38	3,925	27	12	56	20	250
Halifax/Robert L. Stanfield International	26	7,245	8	20	41	8	285
Hamilton	32	5,391	4	11	59	3	285
Kelowna	24	7,557	30	10	56	17	337
Kitchener/Waterloo	18	11,469	7	11	95	7	640
Langley	22	8,356	19	12	79	26	442
London	5	17,123	15	13	117	23	871
Moncton/Greater Moncton International	14	12,473	30	13	74	30	722
Montréal/Mirabel International	41	2,619	30	16	36	30	156
Montréal/Pierre Elliott Trudeau International	4	19,220	10	18	72	10	711
Montréal/St-Hubert	12	14,399	3	11	114	7	964
Oshawa	27	7,049	6	13	75	7	495
Ottawa/Macdonald-Cartier International	6	16,550	30	11	97	7	769
Pitt Meadows	13	12,971	11	14	115	11	907
Prince George	39	3,811	21	17	71	21	292
Québec/Jean Lesage International	17	11,764	30	16	102	23	630
Regina International	36	4,983	17	11	41	1	288
Saskatoon/John G. Diefenbaker International	21	10,251	2	19	88	16	537
Sault Ste. Marie	31	5,487	21	21	72	21	383
St. John's International	40	3,278	30	19	30	30	183
St-Jean	34	5,142	12	12	81	19	467
Thunder Bay	15	12,416	28	20	91	28	764
Toronto/Buttonville Municipal	8	15,527	30	14	106	30	947
Toronto/City Centre	23	7,849	10	16	66	4	427
Toronto/Lester B. Pearson International	1	36,227	8	19	99	10	1,265
Vancouver Harbour	35	5,071	6	8	35	10	228
Vancouver International	2	27,488	10	17	94	10	1,096
Victoria International	9	15,360	22	19	112	22	842
Whitehorse International	42	1,535	18	16	32	25	93
Windsor	37	4,355	18	11	50	19	236
Winnipeg/James Armstrong Richardson International	16	12,078	16	12	54	28	510
Winnipeg/St. Andrews	20	10,986	31	16	113	10	730
Yellowknife	33	5,147	26	15	58	15	265

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	22	1,960	31	12	47	11	197
Campbell River	10	3,071	7	11	37	8	259
Castlegar	35	1,100	27	13	55	1	84
Charlottetown	27	1,594	14	9	24	11	98
Churchill	34	1,123	16	17	9	22	50
Cranbrook	41	978	21	17	21	26	62
Deer Lake	29	1,435	24	18	11	8	65
Fort McMurray	..	..	..	..	..	..	..
Fort Nelson	26	1,699	28	9	50	28	111
Fort St John	20	2,230	29	12	35	2	127
Fredericton International	1	9,113	23	15	78	31	588
Grande Prairie	4	3,781	16	16	39	28	242
High Level	40	980	20	16	15	10	55
Îles-de-la-Madeleine	52	351	2	17	5	24	20
Inuvik/Mike Zubko	28	1,499	2	17	38	2	112
Iqaluit	25	1,720	7	16	32	8	100
Kamloops	15	2,734	30	10	44	29	230
Kenora	33	1,182	21	19	37	21	87
Kingston	9	3,101	11	17	41	7	279
Kuujuuaq	36	1,089	16	9	14	16	59
Kuujuuarapik	49	579	27	14	8	27	29
La Grande Rivière	44	854	11	17	17	6	42
La Ronge	31	1,347	2	9	15	1	88
Lethbridge	14	2,761	14	14	39	2	181
Lloydminster	46	765	29	16	14	17	42
Medicine Hat	23	1,916	30	14	31	30	125
Mont-Joli	50	563	31	9	14	30	34
Nanaimo	11	2,937	19	13	47	18	293
Norman Wells	30	1,349	29	18	34	29	141
North Bay	2	5,047	10	14	62	2	298
Ottawa/Gatineau	12	2,925	8	10	39	8	184
Peace River	47	745	31	14	12	2	44
Penticton	7	3,459	14	16	57	14	277
Port Hardy	48	697	21	10	22	21	55
Prince Albert	24	1,911	17	12	27	17	154
Prince Rupert	53	341	20	14	15	20	35
Rankin Inlet	38	1,029	10	14	12	27	52
Red Deer Regional	3	3,921	30	9	45	1	230
Rouyn-Noranda	32	1,323	6	12	38	7	109
Saint John	21	2,005	31	9	29	30	137
Sept-Îles	17	2,316	23	12	28	23	150
Sioux Lookout	18	2,301	27	16	17	1	108
Smithers	39	987	28	17	45	8	97
St Anthony	51	414	17	14	6	17	28
St Catharines	8	3,219	12	11	53	11	330
Sudbury	13	2,773	31	16	29	10	132
Terrace	42	923	23	14	11	23	54
Thompson	16	2,656	16	9	15	21	131
Timmins	19	2,300	22	14	26	6	167
Val-d'Or	37	1,074	22	11	32	22	98
Victoria Harbour	6	3,524	30	16	25	8	170
Wabush	45	783	15	11	10	7	41
Whitecourt	5	3,593	15	9	63	16	273
Williams Lake	43	894	31	16	19	31	48

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	21	5,499	28	13	44	28	312
Boundary Bay	13	7,387	22	14	84	22	447
Calgary International	3	20,707	15	18	65	2	804
Calgary/Springbank	17	6,385	16	13	44	26	331
Chicoutimi/St-Honoré	39	2,008	23	11	29	24	163
Edmonton City Centre	16	6,554	1	17	46	16	314
Edmonton International	7	11,232	15	8	39	30	452
Edmonton/Villeneuve	41	1,275	16	17	14	1	94
Fort McMurray	20	5,731	16	17	31	2	275
Gander International	36	2,381	23	12	18	23	142
Halifax/Robert L. Stanfield International	15	6,753	20	6	22	24	259
Hamilton	32	3,254	18	14	24	3	151
Kelowna	25	4,730	30	10	30	15	207
Kitchener/Waterloo	23	4,969	15	13	37	22	256
Langley	30	3,570	19	15	32	11	197
London	12	7,811	17	14	46	10	414
Moncton/Greater Moncton International	14	7,160	15	10	33	31	354
Montréal/Mirabel International	40	1,896	4	12	17	7	94
Montréal/Pierre Elliott Trudeau International	4	19,220	10	18	72	10	711
Montréal/St-Hubert	10	8,083	10	11	52	23	461
Oshawa	31	3,369	7	17	31	7	209
Ottawa/Macdonald-Cartier International	5	11,837	4	14	60	4	495
Pitt Meadows	26	4,084	11	17	44	11	313
Prince George	37	2,355	23	16	19	23	127
Québec/Jean Lesage International	9	8,556	5	15	44	24	410
Regina International	28	3,807	1	16	19	1	180
Saskatoon/John G. Diefenbaker International	18	6,312	16	14	31	16	311
Sault Ste. Marie	35	2,421	4	14	17	21	135
St. John's International	33	3,111	17	17	13	10	121
St-Jean	34	3,016	19	13	42	12	345
Thunder Bay	19	5,834	22	16	29	29	276
Toronto/Butterville Municipal	11	7,861	4	11	63	4	451
Toronto/City Centre	24	4,853	10	16	32	10	236
Toronto/Lester B. Pearson International	1	36,227	8	19	99	10	1,265
Vancouver Harbour	22	5,055	6	8	35	1	225
Vancouver International	2	27,488	10	17	94	10	1,096
Victoria International	8	9,092	10	15	48	10	467
Whitehorse International	42	1,239	3	13	10	3	66
Windsor	38	2,278	6	16	16	10	105
Winnipeg/James Armstrong Richardson International	6	11,435	16	12	44	16	470
Winnipeg/St. Andrews	29	3,636	31	16	31	24	211
Yellowknife	27	3,988	3	17	24	8	183

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	20	1,562	18	10	32	19	184
Campbell River	21	1,553	10	15	16	10	98
Castlegar	45	758	29	11	11	10	45
Charlottetown	28	1,300	3	8	10	24	72
Churchill	30	1,121	16	17	9	22	50
Cranbrook	44	778	11	18	7	28	49
Deer Lake	24	1,435	24	18	11	8	65
Fort McMurray	..	..	..	..	..	..	..
Fort Nelson	23	1,439	24	9	13	15	74
Fort St John	11	2,040	2	16	14	1	113
Fredericton International	1	4,342	23	11	26	8	253
Grande Prairie	4	2,551	10	15	18	28	132
High Level	38	948	1	13	8	10	55
Îles-de-la-Madeleine	52	351	2	17	5	24	20
Inuvik/Mike Zubko	27	1,309	8	18	11	9	76
Iqaluit	22	1,532	3	13	12	3	85
Kamloops	15	1,922	29	9	20	1	102
Kenora	35	974	20	13	9	3	63
Kingston	14	1,927	4	14	18	10	106
Kuujuaq	33	1,041	8	17	9	10	45
Kuujuarapik	49	579	27	14	8	27	29
La Grande Rivière	41	828	8	11	9	6	42
La Ronge	26	1,315	29	10	13	1	78
Lethbridge	19	1,581	29	12	13	2	93
Lloydminster	47	709	22	17	10	23	42
Medicine Hat	29	1,242	16	13	15	2	70
Mont-Joli	50	539	13	11	8	30	34
Nanaimo	12	2,027	10	12	25	10	152
Norman Wells	37	953	2	12	8	29	47
North Bay	13	1,993	4	15	20	31	117
Ottawa/Gatineau	25	1,403	11	14	15	18	91
Peace River	46	727	24	11	9	2	38
Penticton	16	1,823	1	13	16	1	108
Port Hardy	48	643	21	14	12	17	42
Prince Albert	18	1,719	2	13	12	16	83
Prince Rupert	53	317	2	10	5	22	18
Rankin Inlet	34	1,025	27	17	11	27	52
Red Deer Regional	6	2,291	9	12	27	1	142
Rouyn-Noranda	32	1,055	6	12	26	6	69
Saint John	17	1,783	8	9	12	8	93
Sept-Îles	10	2,160	7	10	14	31	117
Sioux Lookout	7	2,271	1	8	15	1	108
Smithers	40	883	29	17	17	1	60
St Anthony	51	414	17	14	6	17	28
St Catharines	8	2,245	18	15	47	18	288
Sudbury	5	2,536	10	17	17	10	130
Terrace	39	911	23	14	11	23	54
Thompson	3	2,564	16	9	15	21	125
Timmins	9	2,164	6	17	22	6	151
Val-d'Or	36	974	28	7	8	22	52
Victoria Harbour	2	3,483	30	16	25	2	165
Wabush	43	783	15	11	10	7	41
Whitecourt	31	1,069	17	10	13	16	79
Williams Lake	42	826	1	9	9	1	46

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	1	9,364	24	12	108	24	456
Boundary Bay	4	8,304	8	9	70	21	528
Calgary International	38	134	9	14	32	9	46
Calgary/Springbank	5	8,258	30	14	74	6	429
Chicoutimi/St-Honoré	15	4,728	31	11	92	20	458
Edmonton City Centre	30	849	27	16	24	7	76
Edmonton International	36	217	31	13	20	31	47
Edmonton/Villeneuve	13	4,892	18	13	72	4	382
Fort McMurray	31	801	23	15	26	23	84
Gander International	26	1,544	27	12	48	16	130
Halifax/Robert L. Stanfield International	34	492	11	16	26	11	56
Hamilton	23	2,137	4	11	38	11	142
Kelowna	22	2,827	26	15	40	17	172
Kitchener/Waterloo	9	6,500	7	11	78	7	414
Langley	14	4,786	29	9	54	29	292
London	2	9,312	15	13	78	23	524
Moncton/Greater Moncton International	12	5,313	30	13	54	30	406
Montréal/Mirabel International	32	723	17	10	28	30	67
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	10	6,316	3	11	82	7	508
Oshawa	18	3,680	2	16	62	6	290
Ottawa/Macdonald-Cartier International	16	4,713	15	10	56	7	296
Pitt Meadows	3	8,887	26	11	82	18	636
Prince George	27	1,456	21	17	54	21	192
Québec/Jean Lesage International	19	3,208	30	16	74	23	269
Regina International	28	1,176	17	11	32	2	122
Saskatoon/John G. Diefenbaker International	17	3,939	2	19	70	10	242
Sault Ste. Marie	20	3,066	21	21	68	5	268
St. John's International	37	167	11	19	27	30	65
St-Jean	24	2,126	9	16	68	10	224
Thunder Bay	8	6,582	21	20	80	28	506
Toronto/Butterville Municipal	6	7,666	2	20	82	30	500
Toronto/City Centre	21	2,996	4	17	50	4	256
Toronto/Lester B. Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	39	16	10	13	6	10	10
Vancouver International	0	0	0	0	0	0	0
Victoria International	11	6,268	22	19	74	22	380
Whitehorse International	35	296	18	16	28	18	50
Windsor	25	2,077	18	11	42	6	144
Winnipeg/James Armstrong Richardson International	33	643	28	15	20	28	66
Winnipeg/St. Andrews	7	7,350	24	13	82	10	544
Yellowknife	29	1,159	26	15	44	26	114

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	398	31	12	32	7	62
Campbell River	7	1,518	7	11	34	8	188
Castlegar	17	342	27	13	50	25	62
Charlottetown	18	294	19	15	20	14	38
Churchill	48	2	3	17	2	3	2
Cranbrook	24	200	21	17	20	21	38
Deer Lake	0	0	0	0	0	0	0
Fort McMurray	..	..	..	..	..	..	..
Fort Nelson	20	260	28	9	44	28	58
Fort St John	26	190	29	12	30	29	32
Fredericton International	1	4,771	23	15	60	31	362
Grande Prairie	8	1,230	16	16	30	16	114
High Level	40	32	20	16	12	20	12
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	27	190	2	17	30	2	50
Iqaluit	28	188	7	16	24	8	40
Kamloops	13	812	30	10	42	29	132
Kenora	23	208	21	19	30	21	48
Kingston	10	1,174	7	16	34	7	176
Kuujuaq	37	48	16	10	12	16	24
Kuujuarapik	0	0	0	0	0	0	0
La Grande Rivière	42	26	11	17	14	11	14
La Ronge	39	32	1	18	8	2	14
Lethbridge	9	1,180	14	14	30	27	100
Lloydminster	35	56	5	10	10	5	18
Medicine Hat	14	674	30	14	28	31	70
Mont-Joli	43	24	31	9	10	13	12
Nanaimo	12	910	18	10	32	18	194
Norman Wells	16	396	29	18	30	29	94
North Bay	2	3,054	10	14	52	2	212
Ottawa/Gatineau	6	1,522	8	10	34	8	128
Peace River	45	18	31	14	8	31	8
Penticton	4	1,636	14	16	52	14	212
Port Hardy	36	54	21	10	20	21	22
Prince Albert	25	192	17	11	22	17	90
Prince Rupert	44	24	20	14	12	20	24
Rankin Inlet	47	4	10	14	4	10	4
Red Deer Regional	5	1,630	30	9	38	22	138
Rouyn-Noranda	19	268	7	17	20	7	44
Saint John	22	222	31	9	24	30	66
Sept-Îles	29	156	23	12	20	23	58
Sioux Lookout	41	30	27	16	8	27	12
Smithers	31	104	28	17	44	8	52
St Anthony	0	0	0	0	0	0	0
St Catharines	11	974	30	14	30	30	122
Sudbury	21	237	31	16	20	13	30
Terrace	46	12	26	11	8	26	8
Thompson	33	92	2	20	6	5	10
Timmins	30	136	28	18	20	28	36
Val-d'Or	32	100	22	11	30	22	46
Victoria Harbour	38	41	8	19	8	28	14
Wabush	0	0	0	0	0	0	0
Whitecourt	3	2,524	15	9	60	2	202
Williams Lake	34	68	12	13	14	31	18

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	1	9,352	24	12	108	24	456
Boundary Bay	4	8,304	8	9	70	21	528
Calgary International	38	130	9	14	32	9	46
Calgary/Springbank	5	8,254	30	14	74	6	429
Chicoutimi/St-Honoré	15	4,728	31	11	92	20	458
Edmonton City Centre	30	833	27	16	24	7	70
Edmonton International	36	191	31	13	20	31	45
Edmonton/Villeneuve	13	4,892	18	13	72	4	382
Fort McMurray	31	801	23	15	26	23	84
Gander International	27	1,376	27	12	48	20	118
Halifax/Robert L. Stanfield International	34	432	8	20	20	11	46
Hamilton	23	2,127	4	11	38	11	142
Kelowna	22	2,823	26	15	40	17	172
Kitchener/Waterloo	9	6,500	7	11	78	7	414
Langley	14	4,786	29	9	54	29	292
London	2	9,312	15	13	78	23	524
Moncton/Greater Moncton International	12	5,301	30	13	54	30	406
Montréal/Mirabel International	32	683	17	10	28	23	62
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	10	6,316	3	11	82	7	508
Oshawa	18	3,680	2	16	62	6	290
Ottawa/Macdonald-Cartier International	16	4,677	15	10	56	7	296
Pitt Meadows	3	8,887	26	11	82	18	636
Prince George	26	1,456	21	17	54	21	192
Québec/Jean Lesage International	19	3,204	30	16	74	23	268
Regina International	28	1,142	17	11	32	2	122
Saskatoon/John G. Diefenbaker International	17	3,903	2	19	70	10	242
Sault Ste. Marie	20	3,054	21	21	68	5	268
St. John's International	37	167	11	19	27	30	65
St-Jean	24	2,126	9	16	68	10	224
Thunder Bay	8	6,570	21	20	80	28	506
Toronto/Butterville Municipal	6	7,666	2	20	82	30	500
Toronto/City Centre	21	2,996	4	17	50	4	256
Toronto/Lester B. Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	39	16	10	13	6	10	10
Vancouver International	0	0	0	0	0	0	0
Victoria International	11	6,025	22	19	66	22	354
Whitehorse International	35	292	18	16	28	18	50
Windsor	25	2,077	18	11	42	6	144
Winnipeg/James Armstrong Richardson International	33	487	2	21	14	24	32
Winnipeg/St. Andrews	7	7,348	24	13	82	10	544
Yellowknife	29	999	26	15	44	26	114

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	350	31	12	32	31	58
Campbell River	7	1,518	7	11	34	8	188
Castlegar	17	342	27	13	50	25	62
Charlottetown	18	294	19	15	20	14	38
Churchill	48	2	3	17	2	3	2
Cranbrook	23	200	21	17	20	21	38
Deer Lake	0	0	0	0	0	0	0
Fort McMurray	..	..	..	..	..	..	..
Fort Nelson	20	260	28	9	44	28	58
Fort St John	26	190	29	12	30	29	32
Fredericton International	1	4,763	23	15	60	31	356
Grande Prairie	8	1,230	16	16	30	16	114
High Level	39	32	20	16	12	20	12
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	29	138	2	23	20	2	22
Iqaluit	27	188	7	16	24	8	40
Kamloops	12	774	30	10	42	29	122
Kenora	24	200	21	19	30	21	48
Kingston	10	1,160	7	16	34	7	176
Kuujuaq	37	48	16	10	12	16	24
Kuujuarapik	0	0	0	0	0	0	0
La Grande Rivière	42	26	11	17	14	11	14
La Ronge	40	32	1	18	8	2	14
Lethbridge	9	1,174	14	14	30	31	96
Lloydminster	35	56	5	10	10	5	18
Medicine Hat	13	640	30	14	28	31	70
Mont-Joli	43	24	31	9	10	13	12
Nanaimo	15	384	18	16	18	18	60
Norman Wells	14	396	29	18	30	29	94
North Bay	2	3,054	10	14	52	2	212
Ottawa/Gatineau	6	1,522	8	10	34	8	128
Peace River	45	18	31	14	8	31	8
Penticton	4	1,636	14	16	52	14	212
Port Hardy	36	54	21	10	20	21	22
Prince Albert	25	192	17	11	22	17	90
Prince Rupert	44	24	20	14	12	20	24
Rankin Inlet	47	4	10	14	4	10	4
Red Deer Regional	5	1,630	30	9	38	22	138
Rouyn-Noranda	19	268	7	17	20	7	44
Saint John	22	218	31	9	24	30	66
Sept-Îles	28	156	23	12	20	23	58
Sioux Lookout	41	30	27	16	8	27	12
Smithers	31	104	28	17	44	8	52
St Anthony	0	0	0	0	0	0	0
St Catharines	11	974	30	14	30	30	122
Sudbury	21	237	31	16	20	13	30
Terrace	46	12	26	11	8	26	8
Thompson	33	92	2	20	6	5	10
Timmins	30	136	28	18	20	28	36
Val-d'Or	32	100	22	11	30	22	46
Victoria Harbour	38	41	8	19	8	28	14
Wabush	0	0	0	0	0	0	0
Whitecourt	3	2,524	15	9	60	2	202
Williams Lake	34	68	12	13	14	31	18

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	12	12	9	14	12	9	12
Boundary Bay	0	0	0	0	0	0	0
Calgary International	17	4	28	15	2	28	4
Calgary/Springbank	21	4	19	14	2	19	3
Chicoutimi/St-Honoré	0	0	0	0	0	0	0
Edmonton City Centre	11	16	7	13	6	7	6
Edmonton International	10	26	24	13	6	8	8
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	0	0	0	0	0	0	0
Gander International	2	168	22	12	28	22	30
Halifax/Robert L Stanfield International	5	60	11	16	10	30	12
Hamilton	16	10	7	11	6	7	10
Kelowna	18	4	25	13	2	25	2
Kitchener/Waterloo	0	0	0	0	0	0	0
Langley	0	0	0	0	0	0	0
London	0	0	0	0	0	0	0
Moncton/Greater Moncton International	13	12	7	9	2	7	4
Montréal/Mirabel International	6	40	10	15	10	10	16
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	7	36	13	15	6	31	8
Pitt Meadows	0	0	0	0	0	0	0
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	19	4	24	10	2	24	2
Regina International	9	34	4	15	8	4	16
Saskatoon/John G Diefenbaker International	8	36	1	17	8	1	8
Sault Ste. Marie	14	12	3	14	4	3	4
St. John's International	0	0	0	0	0	0	0
St-Jean	0	0	0	0	0	0	0
Thunder Bay	15	12	16	14	4	3	4
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	1	243	26	10	28	20	46
Whitehorse International	20	4	3	19	4	3	4
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	4	156	27	11	14	28	36
Winnipeg/St. Andrews	22	2	20	10	2	20	2
Yellowknife	3	160	21	14	16	14	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	3	48	7	10	24	7	48
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	0	0	0	0	0	0	0
Fort McMurray	..	..	..	..	..	..	..
Fort Nelson	0	0	0	0	0	0	0
Fort St John	0	0	0	0	0	0	0
Fredericton International	7	8	31	19	6	31	6
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	2	52	2	17	28	2	28
Iqaluit	0	0	0	0	0	0	0
Kamloops	4	38	28	15	16	28	16
Kenora	8	8	31	10	6	31	8
Kingston	6	14	10	10	10	10	10
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	9	6	27	8	6	27	6
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	5	34	24	14	26	24	32
Mont-Joli	0	0	0	0	0	0	0
Nanaimo	1	526	11	11	28	11	144
Norman Wells	0	0	0	0	0	0	0
North Bay	0	0	0	0	0	0	0
Ottawa/Gatineau	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	0
Penticton	0	0	0	0	0	0	0
Port Hardy	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	10	4	6	9	2	6	2
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 – As of June 2008, data for Sudbury are found in tables relating to Nav Canada Flight Service Stations.

Fort McMurray, Alberta – As of October 2008, data for Fort McMurray are found in tables relating to Nav Canada Towers.

Zoom Airlines suspended operations effective August 28, 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.