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



June 2008



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Statistics Canada
Transportation Division

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

June 2008

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

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Highlights

- Aircraft take-offs and landings at Canadian airports with NAV CANADA air traffic control towers and flight service stations edged up (+0.6%) in June 2008 compared to June 2007. These 95 airports reported 566,679 movements in June 2008 compared with 563,092 movements in June 2007.
- Itinerant movements (flights from one airport to another) decreased slightly (-0.5%) down 1,961 movements in June 2008 compared with the same month a year earlier.
- Local movements (flights that remain in the vicinity of the airport) rose by 3.5% (+5,548 movements) in June 2008 compared with June 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 June 2008/ June 2007 percent	number	Change from June 2008/ June 2007 percent	number	Change from June 2008/ June 2007 percent
Grand total	446,676	0.2	120,003	2.3	566,679	0.6
Itinerant movements						
Air carriers	216,520	0.9	66,672	1.5	283,192	1.1
Other commercial movements	43,160	1.4	7,562	-0.5	50,722	1.1
Private movements	36,238	-10.2	13,516	-14.9	49,754	-11.6
Government civil movements	5,512	-2.3	2,858	0.9	8,370	-1.3
Government military movements	5,827	18.8	2,537	5.4	8,364	14.4
Itinerant total	307,257	-0.2	93,145	-1.3	400,402	-0.5
Local movements						
Civil local movements	138,135	1.5	26,597	16.9	164,732	3.7
Military local movements	1,284	-26.7	261	57.2	1,545	-19.4
Local total	139,419	1.2	26,858	17.2	166,277	3.5

Analysis

Aircraft take-offs and landings at Canadian airports with NAV CANADA air traffic control towers and flight service stations edged up (+0.6%) in June 2008 compared to June 2007. These 95 airports reported 566,679 movements in June 2008 compared with 563,092 movements in June 2007.

Itinerant movements (flights from one airport to another) decreased slightly (-0.5%) down 1,961 movements in June 2008 compared with the same month a year earlier.

Local movements (flights that remain in the vicinity of the airport) rose by 3.5% (+5,548 movements) in June 2008 compared with June 2007.

Airports with NAV CANADA air traffic control towers

The 42 Canadian airports with NAV CANADA air traffic control towers reported 446,676 aircraft take-offs and landings in June, almost no change (+0.2%) compared with June 2007. Year-over-year increases in aircraft movements were reported by 20 of these airports in June 2008. The variations ranged from an increase of 73.3% at London, Ontario to a decline of 35.1% at Windsor, Ontario.

Itinerant movements (flights from one airport to another) decreased marginally (-0.2%) in June compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 21.0% increase (+682 movements) at St-Jean, Québec to a decline of 24.3% (-901 movements) at Oshawa, Ontario.

Local movements (flights that remain in the vicinity of the airport) increased slightly (+1.2%) up by 1,613 movements in June compared with June 2007. London, Ontario recorded the largest gain in local movements, increasing by 5,773 movements (+181.5%) while Windsor, Ontario reported 1,092 fewer movements (-51.0%) compared with June 2007.

Airports with NAV CANADA flight service stations

The 53 Canadian airports with NAV CANADA flight service stations reported 120,003 aircraft take-offs and landings in June, up 2.3% (+2,697 movements) compared with June 2007. Year-over-year increases in aircraft movements were reported by 29 of these airports in June 2008. The variations ranged from a 122.9% increase (+2,907 movements) at Fredericton International, New Brunswick to a decline of -36.2% (-1,718 movements) at St. Catharines, Ontario.

Itinerant movements (flights from one airport to another) decreased by 1.3% (-1,238 movements) in June 2008 compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 34.5% increase (+729 movements) at Fredericton International, New Brunswick to a decline of 37.8% (-1,066 movements) at St. Catharines, Ontario.

Local movements (flights that remain in the vicinity of the airport) recorded in June 2008 grew by 17.2% (+3,935 movements) compared with the same month a year earlier. Fredericton International, New Brunswick recorded the largest gain in local movements, increasing by 2,178 movements (+871.2%) compared with June 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

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	13	12,316	21	5,356	6	6,960
Boundary Bay	4	20,486	9	7,754	1	12,732
Calgary International	3	21,294	3	21,149	38	145
Calgary/Springbank	12	12,955	18	6,004	7	6,951
Chicoutimi/St-Honoré	35	4,715	40	1,875	18	2,840
Edmonton City Centre	25	7,588	15	6,553	29	1,035
Edmonton International	15	11,211	7	10,907	36	304
Edmonton/Villeneuve	29	6,322	42	1,552	12	4,770
Gander International	36	4,138	37	2,406	24	1,732
Halifax/Robert L Stanfield International	22	8,738	11	7,662	26	1,076
Hamilton	28	6,379	25	4,221	23	2,158
Kelowna	26	7,291	24	4,695	22	2,596
Kitchener/Waterloo	23	8,686	27	4,000	13	4,686
Langley	18	10,155	31	3,863	9	6,292
London	9	15,176	16	6,223	3	8,953
Moncton/Greater Moncton International	19	10,060	20	5,474	14	4,586
Montréal/Mirabel International	42	2,138	41	1,697	34	441
Montréal/Pierre Elliott Trudeau International	5	19,804	4	19,804	0	0
Montréal/St-Hubert	6	17,970	13	7,135	2	10,835
Oshawa	31	6,008	33	2,809	17	3,199
Ottawa/Macdonald-Cartier International	8	16,270	6	11,701	15	4,569
Pitt Meadows	14	11,776	28	3,991	4	7,785
Prince George	39	3,197	36	2,439	33	758
Québec/Jean Lesage International	16	10,349	10	7,746	21	2,603
Regina International	32	5,840	26	4,162	25	1,678
Saskatoon/John G Diefenbaker International	21	9,691	17	6,195	16	3,496
Sault Ste. Marie	33	5,462	34	2,684	19	2,778
St. John's International	37	3,519	32	3,318	37	201
St-Jean	34	5,003	29	3,930	27	1,073
Sudbury	40	3,054	35	2,624	35	430
Thunder Bay	24	8,347	19	5,700	20	2,647
Toronto/Buttonville Municipal	10	14,883	12	7,237	5	7,646
Toronto/City Centre	20	9,770	23	4,995	11	4,775
Toronto/Lester B Pearson International	1	36,937	1	36,937	0	0
Vancouver Harbour	27	6,575	14	6,563	39	12
Vancouver International	2	30,474	2	30,474	0	0
Victoria International	7	16,625	8	10,046	8	6,579
Whitehorse International	38	3,261	38	2,287	31	974
Windsor	41	2,938	39	1,888	28	1,050
Winnipeg/James Armstrong Richardson International	11	12,995	5	12,193	32	802
Winnipeg/St. Andrews	17	10,217	30	3,929	10	6,288
Yellowknife	30	6,063	22	5,079	30	984
Total of NAV CANADA towers (42)	.	446,676	.	307,257	.	139,419

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	25	1,898	40	1,018	13	880
Campbell River	7	3,856	11	2,380	6	1,476
Castlegar	47	936	48	642	21	294
Charlottetown	18	2,625	26	1,579	10	1,046
Churchill	43	1,094	42	1,008	38	86
Cranbrook	38	1,245	44	944	20	301
Deer Lake	30	1,745	25	1,645	36	100
Fort McMurray	1	8,345	1	7,505	14	840
Fort Nelson	24	1,955	21	1,847	35	108
Fort St John	17	2,760	8	2,542	26	218
Fredericton International	2	5,272	5	2,844	2	2,428
Grande Prairie	4	4,453	4	3,121	7	1,332
High Level	31	1,739	27	1,577	28	162
Îles-de-la-Madeleine	51	480	51	448	45	32
Inuvik/Mike Zubko	21	2,352	15	2,242	34	110
Iqaluit	27	1,884	22	1,838	43	46
Kamloops	9	3,562	7	2,650	12	912
Kenora	29	1,748	29	1,497	24	251
Kingston	13	3,067	19	1,851	9	1,216
Kuujuuaq	42	1,121	37	1,061	42	60
Kuujuuarapik	50	552	49	544	51	8
La Grande Rivière	45	1,039	39	1,025	50	14
La Ronge	16	2,917	6	2,745	27	172
Lethbridge	11	3,319	12	2,321	11	998
Lloydminster	37	1,329	46	925	19	404
Medicine Hat	35	1,486	41	1,014	18	472
Mont-Joli	53	371	53	345	46	26
Nanaimo	15	2,972	13	2,296	16	676
Norman Wells	34	1,582	32	1,300	22	282
North Bay	5	4,347	20	1,849	1	2,498
Ottawa/Gatineau	12	3,217	30	1,435	4	1,782
Peace River	48	906	47	884	48	22
Penticton	10	3,485	18	1,997	5	1,488
Port Hardy	36	1,382	31	1,344	44	38
Prince Albert	23	2,184	17	2,044	31	140
Prince Rupert	49	649	50	535	33	114
Rankin Inlet	32	1,724	24	1,704	49	20
Red Deer Regional	6	4,337	10	2,395	3	1,942
Rouyn-Noranda	41	1,182	38	1,028	29	154
Saint John	33	1,699	28	1,549	30	150
Sept-Îles	19	2,512	14	2,252	23	260
Sioux Lookout	20	2,511	9	2,436	41	75
Smithers	39	1,217	35	1,119	37	98
St Anthony	52	372	52	372	0	0
St Catharines	14	3,029	23	1,755	8	1,274
Terrace	40	1,203	36	1,089	32	114
Thompson	8	3,737	3	3,503	25	234
Timmins	22	2,306	16	2,230	39	76
Val-d'Or	28	1,850	33	1,222	17	628
Victoria Harbour	3	4,552	2	4,552	0	0
Wabush	46	963	45	940	47	23
Whitecourt	26	1,893	34	1,191	15	702
Williams Lake	44	1,042	43	966	40	76
Total of all flight service stations (53)	.	120,003	.	93,145	.	26,858

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	12,284	3,778	1,552	6,954	32	26	6
Boundary Bay	20,469	6,182	1,563	12,724	17	9	8
Calgary International	21,049	19,251	1,659	139	245	239	6
Calgary/Springbank	12,936	4,156	1,831	6,949	19	17	2
Chicoutimi/St-Honoré	4,680	1,654	202	2,824	35	19	16
Edmonton City Centre	7,427	4,396	2,036	995	161	121	40
Edmonton International	11,109	10,454	385	270	102	68	34
Edmonton/Villeneuve	6,314	1,099	445	4,770	8	8	0
Gander International	3,678	1,681	419	1,578	460	306	154
Halifax/Robert L. Stanfield International	8,402	6,702	744	956	336	216	120
Hamilton	6,346	3,138	1,066	2,142	33	17	16
Kelowna	7,171	3,737	882	2,552	120	76	44
Kitchener/Waterloo	8,641	3,012	957	4,672	45	31	14
Langley	10,155	2,562	1,301	6,292	0	0	0
London	15,164	5,164	1,049	8,951	12	10	2
Moncton/Greater Moncton International	9,992	4,877	537	4,578	68	60	8
Montréal/Mirabel International	2,028	1,195	416	417	110	86	24
Montréal/Pierre Elliott Trudeau International	19,760	17,775	1,985	0	44	44	0
Montréal/St-Hubert	17,754	5,659	1,306	10,789	216	170	46
Oshawa	5,997	1,724	1,074	3,199	11	11	0
Ottawa/Macdonald-Cartier International	15,968	10,268	1,145	4,555	302	288	14
Pitt Meadows	11,703	2,587	1,331	7,785	73	73	0
Prince George	3,158	1,808	604	746	39	27	12
Québec/Jean Lesage International	9,858	5,942	1,339	2,577	491	465	26
Regina International	5,364	2,960	795	1,609	476	407	69
Saskatoon/John G. Diefenbaker International	9,453	4,837	1,200	3,416	238	158	80
Sault Ste. Marie	5,411	2,422	219	2,770	51	43	8
St. John's International	3,267	2,798	268	201	252	252	0
St-Jean	3,427	591	1,763	1,073	1,576	1,576	0
Sudbury	3,025	2,180	415	430	29	29	0
Thunder Bay	8,223	5,013	605	2,605	124	82	42
Toronto/Buttonville Municipal	14,883	5,157	2,080	7,646	0	0	0
Toronto/City Centre	9,750	4,214	761	4,775	20	20	0
Toronto/Lester B. Pearson International	36,917	35,378	1,539	0	20	20	0
Vancouver Harbour	6,571	6,479	80	12	4	4	0
Vancouver International	30,417	28,946	1,471	0	57	57	0
Victoria International	16,301	7,988	1,895	6,418	324	163	161
Whitehorse International	3,239	1,592	677	970	22	18	4
Windsor	2,938	1,460	428	1,050	0	0	0
Winnipeg/James Armstrong Richardson International	12,220	10,768	922	530	775	503	272
Winnipeg/St. Andrews	10,211	3,490	433	6,288	6	6	0
Yellowknife	5,905	4,606	371	928	158	102	56
Total of NAV CANADA towers (42)	439,565	259,680	41,750	138,135	7,111	5,827	1,284

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	1,682	516	324	842	216	178	38
Campbell River	3,808	1,700	632	1,476	48	48	0
Castlegar	926	545	87	294	10	10	0
Charlottetown	2,548	1,306	206	1,036	77	67	10
Churchill	1,088	947	55	86	6	6	0
Cranbrook	1,205	678	236	291	40	30	10
Deer Lake	1,723	1,570	53	100	22	22	0
Fort McMurray	8,334	6,746	750	838	11	9	2
Fort Nelson	1,910	1,509	293	108	45	45	0
Fort St John	2,758	2,100	440	218	2	2	0
Fredericton International	5,067	2,179	480	2,408	205	185	20
Grande Prairie	4,354	2,468	560	1,326	99	93	6
High Level	1,718	1,449	107	162	21	21	0
Îles-de-la-Madeleine	471	376	63	32	9	9	0
Inuvik/Mike Zubko	2,307	2,127	78	102	45	37	8
Iqaluit	1,857	1,652	159	46	27	27	0
Kamloops	3,531	2,061	566	904	31	23	8
Kenora	1,603	1,016	382	205	145	99	46
Kingston	2,978	1,327	443	1,208	89	81	8
Kuujuuaq	1,117	982	75	60	4	4	0
Kuujuuarapik	552	527	17	8	0	0	0
La Grande Rivière	1,037	986	37	14	2	2	0
La Ronge	2,620	1,594	854	172	297	297	0
Lethbridge	3,261	1,770	496	995	58	55	3
Lloydminster	1,307	561	344	402	22	20	2
Medicine Hat	1,435	680	289	466	51	45	6
Mont-Joli	369	309	34	26	2	2	0
Nanaimo	2,953	1,291	986	676	19	19	0
Norman Wells	1,580	1,234	64	282	2	2	0
North Bay	4,299	1,419	392	2,488	48	38	10
Ottawa/Gatineau	3,193	578	833	1,782	24	24	0
Peace River	904	780	102	22	2	2	0
Penticton	3,389	1,331	574	1,484	96	92	4
Port Hardy	1,315	1,061	244	10	67	39	28
Prince Albert	2,134	1,570	424	140	50	50	0
Prince Rupert	647	435	98	114	2	2	0
Rankin Inlet	1,702	1,654	40	8	22	10	12
Red Deer Regional	4,268	1,678	666	1,924	69	51	18
Rouyn-Noranda	1,182	795	233	154	0	0	0
Saint John	1,580	1,131	309	140	119	109	10
Sept-Îles	2,506	1,975	271	260	6	6	0
Sioux Lookout	2,509	2,263	171	75	2	2	0
Smithers	1,123	862	163	98	94	94	0
St Anthony	370	354	16	0	2	2	0
St Catharines	2,519	689	556	1,274	510	510	0
Terrace	1,203	984	105	114	0	0	0
Thompson	3,703	3,140	329	234	34	34	0
Timmins	2,298	1,841	381	76	8	8	0
Val-d'Or	1,844	865	351	628	6	6	0
Victoria Harbour	4,548	4,075	473	0	4	4	0
Wabush	959	841	95	23	4	4	0
Whitecourt	1,889	1,012	175	702	4	4	0
Williams Lake	1,022	695	263	64	20	8	12
Total of all flight service stations (53)	117,205	74,234	16,374	26,597	2,798	2,537	261

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	5,356	663	1,945	1,170	1,316	236	26
Boundary Bay	7,754	6	1,314	4,862	1,510	53	9
Calgary International	21,149	17,418	1,267	566	1,499	160	239
Calgary/Springbank	6,004	35	672	3,449	1,804	27	17
Chicoutimi/St-Honoré	1,875	24	750	880	198	4	19
Edmonton City Centre	6,553	1,682	793	1,921	1,590	446	121
Edmonton International	10,907	10,020	272	162	361	24	68
Edmonton/Villeneuve	1,552	9	222	868	431	14	8
Gander International	2,406	505	1,144	32	380	39	306
Halifax/Robert L. Stanfield International	7,662	6,115	499	88	388	356	216
Hamilton	4,221	2,063	887	188	854	212	17
Kelowna	4,695	2,498	330	909	749	133	76
Kitchener/Waterloo	4,000	405	2,179	428	942	15	31
Langley	3,863	124	153	2,285	1,293	8	0
London	6,223	1,280	1,329	2,555	978	71	10
Moncton/Greater Moncton International	5,474	1,942	2,763	172	196	341	60
Montréal/Mirabel International	1,697	776	330	89	414	2	86
Montréal/Pierre Elliott Trudeau International	19,804	16,517	494	764	1,820	165	44
Montréal/St-Hubert	7,135	3,005	628	2,026	1,181	125	170
Oshawa	2,809	163	153	1,408	1,071	3	11
Ottawa/Macdonald-Cartier International	11,701	7,630	399	2,239	604	541	288
Pitt Meadows	3,991	60	768	1,759	1,321	10	73
Prince George	2,439	1,290	478	40	494	110	27
Québec/Jean Lesage International	7,746	3,999	822	1,121	949	390	465
Regina International	4,162	1,953	920	87	562	233	407
Saskatoon/John G. Diefenbaker International	6,195	3,194	1,061	582	814	386	158
Sault Ste. Marie	2,684	893	241	1,288	178	41	43
St. John's International	3,318	2,101	606	91	177	91	252
St-Jean	3,930	205	65	321	1,751	12	1,576
Sudbury	2,624	1,499	608	73	287	128	29
Thunder Bay	5,700	3,070	956	987	432	173	82
Toronto/Buttonville Municipal	7,237	381	743	4,033	2,029	51	0
Toronto/City Centre	4,995	1,490	1,065	1,659	723	38	20
Toronto/Lester B. Pearson International	36,937	34,756	450	172	1,513	26	20
Vancouver Harbour	6,563	5,206	489	784	80	0	4
Vancouver International	30,474	26,054	2,150	742	1,178	293	57
Victoria International	10,046	3,549	3,225	1,214	1,826	69	163
Whitehorse International	2,287	875	668	49	629	48	18
Windsor	1,888	620	773	67	415	13	0
Winnipeg/James Armstrong Richardson International	12,193	9,788	878	102	642	280	503
Winnipeg/St. Andrews	3,929	568	2,100	822	427	6	6
Yellowknife	5,079	3,864	636	106	232	139	102
Total of NAV CANADA towers (42)	307,257	178,295	38,225	43,160	36,238	5,512	5,827

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	1,018	123	318	75	306	18	178
Campbell River	2,380	755	387	558	613	19	48
Castlegar	642	299	177	69	80	7	10
Charlottetown	1,579	823	95	388	149	57	67
Churchill	1,008	859	82	6	44	11	6
Cranbrook	944	562	74	42	228	8	30
Deer Lake	1,645	1,319	231	20	34	19	22
Fort McMurray	7,505	3,929	2,320	497	701	49	9
Fort Nelson	1,847	328	628	553	275	18	45
Fort St John	2,542	755	1,208	137	426	14	2
Fredericton International	2,844	794	1,298	87	355	125	185
Grande Prairie	3,121	1,049	1,325	94	532	28	93
High Level	1,577	199	1,203	47	90	17	21
Îles-de-la-Madeleine	448	334	10	32	19	44	9
Inuvik/Mike Zubko	2,242	565	1,562	0	52	26	37
Iqaluit	1,838	1,224	349	79	99	60	27
Kamloops	2,650	1,049	711	301	500	66	23
Kenora	1,497	421	510	85	326	56	99
Kingston	1,851	530	357	440	397	46	81
Kuujuuaq	1,061	833	145	4	51	24	4
Kuujuuarapik	544	463	58	6	3	14	0
La Grande Rivière	1,025	730	171	85	31	6	2
La Ronge	2,745	1,387	175	32	205	649	297
Lethbridge	2,321	547	26	1,197	467	29	55
Lloydminster	925	123	397	41	336	8	20
Medicine Hat	1,014	555	83	42	282	7	45
Mont-Joli	345	290	11	8	21	13	2
Nanaimo	2,296	579	515	197	938	48	19
Norman Wells	1,300	864	370	0	57	7	2
North Bay	1,849	547	592	280	360	32	38
Ottawa/Gatineau	1,435	165	155	258	730	103	24
Peace River	884	467	303	10	72	30	2
Penticton	1,997	521	717	93	556	18	92
Port Hardy	1,344	947	85	29	167	77	39
Prince Albert	2,044	1,315	182	73	167	257	50
Prince Rupert	535	340	73	22	71	27	2
Rankin Inlet	1,704	1,163	464	27	22	18	10
Red Deer Regional	2,395	255	1,155	268	644	22	51
Rouyn-Noranda	1,028	594	126	75	205	28	0
Saint John	1,549	822	199	110	303	6	109
Sept-Îles	2,252	1,229	517	229	174	97	6
Sioux Lookout	2,436	1,832	414	17	155	16	2
Smithers	1,119	446	360	56	147	16	94
St Anthony	372	280	16	58	8	8	2
St Catharines	1,755	12	584	93	509	47	510
Terrace	1,089	531	386	67	57	48	0
Thompson	3,503	2,675	452	13	82	247	34
Timmins	2,230	1,571	242	28	287	94	8
Val-d'Or	1,222	687	83	95	317	34	6
Victoria Harbour	4,552	3,893	16	166	384	89	4
Wabush	940	674	130	37	66	29	4
Whitecourt	1,191	39	684	289	166	9	4
Williams Lake	966	443	205	47	250	13	8
Total of all flight service stations (53)	93,145	43,736	22,936	7,562	13,516	2,858	2,537

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	5,356	1,648	30.7	3,708	69.2	1,164
Boundary Bay	7,754	394	5.0	7,360	94.9	506
Calgary International	21,149	19,784	93.5	1,365	6.4	824
Calgary/Springbank	6,004	349	5.8	5,655	94.1	2,896
Chicoutimi/St-Honoré	1,875	213	11.3	1,662	88.6	119
Edmonton City Centre	6,553	2,976	45.4	3,577	54.5	1,834
Edmonton International	10,907	10,367	95.0	540	4.9	901
Edmonton/Villeneuve	1,552	27	1.7	1,525	98.2	167
Gander International	2,406	1,326	55.1	1,080	44.8	208
Halifax/Robert L. Stanfield International	7,662	6,808	88.8	854	11.1	554
Hamilton	4,221	2,729	64.6	1,492	35.3	596
Kelowna	4,695	2,775	59.1	1,920	40.8	971
Kitchener/Waterloo	4,000	1,024	25.6	2,976	74.4	474
Langley	3,863	52	1.3	3,811	98.6	1,230
London	6,223	1,756	28.2	4,467	71.7	565
Moncton/Greater Moncton International	5,474	2,571	46.9	2,903	53.0	452
Montréal/Mirabel International	1,697	978	57.6	719	42.3	1,295
Montréal/Pierre Elliott Trudeau International	19,804	18,781	94.8	1,023	5.1	1,554
Montréal/St-Hubert	7,135	1,881	26.3	5,254	73.6	1,271
Oshawa	2,809	179	6.3	2,630	93.6	560
Ottawa/Macdonald-Cartier International	11,701	8,643	73.8	3,058	26.1	1,133
Pitt Meadows	3,991	24	0.6	3,967	99.3	3,090
Prince George	2,439	1,375	56.3	1,064	43.6	590
Québec/Jean Lesage International	7,746	5,208	67.2	2,538	32.7	1,531
Regina International	4,162	2,643	63.5	1,519	36.4	110
Saskatoon/John G. Diefenbaker International	6,195	3,879	62.6	2,316	37.3	265
Sault Ste. Marie	2,684	1,239	46.1	1,445	53.8	107
St. John's International	3,318	3,070	92.5	248	7.4	244
St-Jean	3,930	285	7.2	3,645	92.7	245
Sudbury	2,624	1,906	72.6	718	27.3	179
Thunder Bay	5,700	3,724	65.3	1,976	34.6	354
Toronto/Butterville Municipal	7,237	875	12.0	6,362	87.9	545
Toronto/City Centre	4,995	1,874	37.5	3,121	62.4	1,477
Toronto/Lester B. Pearson International	36,937	36,841	99.7	96	0.2	92
Vancouver Harbour	6,563	87	1.3	6,476	98.6	2,448
Vancouver International	30,474	22,809	74.8	7,665	25.1	17,806
Victoria International	10,046	3,600	35.8	6,446	64.1	12,798
Whitehorse International	2,287	585	25.5	1,702	74.4	793
Windsor	1,888	796	42.1	1,092	57.8	180
Winnipeg/James Armstrong Richardson International	12,193	10,511	86.2	1,682	13.7	992
Winnipeg/St. Andrews	3,929	93	2.3	3,836	97.6	181
Yellowknife	5,079	2,313	45.5	2,766	54.4	1,192
Total of NAV CANADA towers (42)	307,257	188,998	61.5	118,259	38.5	64,493

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	1,018	205	20.1	813	79.8	53
Campbell River	2,380	502	21.0	1,878	78.9	467
Castlegar	642	300	46.7	342	53.2	117
Charlottetown	1,579	995	63.0	584	36.9	34
Churchill	1,008	835	82.8	173	17.1	97
Cranbrook	944	625	66.2	319	33.7	203
Deer Lake	1,645	1,473	89.5	172	10.4	30
Fort McMurray	7,505	2,312	30.8	5,193	69.1	327
Fort Nelson	1,847	368	19.9	1,479	80.0	212
Fort St John	2,542	773	30.4	1,769	69.5	189
Fredericton International	2,844	1,051	36.9	1,793	63.0	122
Grande Prairie	3,121	1,303	41.7	1,818	58.2	408
High Level	1,577	262	16.6	1,315	83.3	547
Îles-de-la-Madeleine	448	413	92.1	35	7.8	7
Inuvik/Mike Zubko	2,242	280	12.4	1,962	87.5	62
Iqaluit	1,838	1,384	75.2	454	24.7	16
Kamloops	2,650	1,288	48.6	1,362	51.3	388
Kenora	1,497	717	47.8	780	52.1	251
Kingston	1,851	762	41.1	1,089	58.8	82
Kuujuuaq	1,061	417	39.3	644	60.6	170
Kuujuuarapik	544	241	44.3	303	55.6	22
La Grande Rivière	1,025	691	67.4	334	32.5	665
La Ronge	2,745	952	34.6	1,793	65.3	2,252
Lethbridge	2,321	673	28.9	1,648	71.0	50
Lloydminster	925	216	23.3	709	76.6	16
Medicine Hat	1,014	386	38.0	628	61.9	205
Mont-Joli	345	306	88.6	39	11.3	30
Nanaimo	2,296	648	28.2	1,648	71.7	1,295
Norman Wells	1,300	181	13.9	1,119	86.0	182
North Bay	1,849	779	42.1	1,070	57.8	537
Ottawa/Gatineau	1,435	232	16.1	1,203	83.8	141
Peace River	884	393	44.4	491	55.5	120
Penticton	1,997	541	27.0	1,456	72.9	203
Port Hardy	1,344	434	32.2	910	67.7	262
Prince Albert	2,044	1,330	65.0	714	34.9	231
Prince Rupert	535	347	64.8	188	35.1	29
Rankin Inlet	1,704	885	51.9	819	48.0	10
Red Deer Regional	2,395	404	16.8	1,991	83.1	411
Rouyn-Noranda	1,028	748	72.7	280	27.2	87
Saint John	1,549	1,119	72.2	430	27.7	21
Sept-Îles	2,252	1,565	69.4	687	30.5	318
Sioux Lookout	2,436	1,845	75.7	591	24.2	1,487
Smithers	1,119	437	39.0	682	60.9	476
St Anthony	372	267	71.7	105	28.2	1
St Catharines	1,755	122	6.9	1,633	93.0	362
Terrace	1,089	543	49.8	546	50.1	268
Thompson	3,503	1,559	44.5	1,944	55.4	386
Timmins	2,230	1,678	75.2	552	24.7	233
Val-d'Or	1,222	746	61.0	476	38.9	903
Victoria Harbour	4,552	67	1.4	4,485	98.5	604
Wabush	940	760	80.8	180	19.1	372
Whitecourt	1,191	103	8.6	1,088	91.3	138
Williams Lake	966	441	45.6	525	54.3	382
Total of all flight service stations (53)	93,145	37,904	40.7	55,241	59.3	16,481

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	5,356	524	298	3,485	1,047	2
Boundary Bay	7,754	5	93	7,347	306	3
Calgary International	21,149	14,488	5,109	1,032	520	0
Calgary/Springbank	6,004	67	172	5,159	605	1
Chicoutimi/St-Honoré	1,875	19	59	1,662	135	0
Edmonton City Centre	6,553	542	2,173	2,949	888	1
Edmonton International	10,907	7,552	2,762	531	62	0
Edmonton/Villeneuve	1,552	17	19	1,245	258	13
Gander International	2,406	694	529	922	261	0
Halifax/Robert L. Stanfield International	7,662	4,541	2,197	436	488	0
Hamilton	4,221	1,686	867	1,504	164	0
Kelowna	4,695	1,470	1,415	1,528	282	0
Kitchener/Waterloo	4,000	204	479	2,966	350	1
Langley	3,863	3	93	3,248	516	3
London	6,223	441	1,272	4,326	184	0
Moncton/Greater Moncton International	5,474	1,237	940	3,181	116	0
Montréal/Mirabel International	1,697	766	290	438	203	0
Montréal/Pierre Elliott Trudeau International	19,804	13,080	5,550	740	434	0
Montréal/St-Hubert	7,135	349	949	5,407	430	0
Oshawa	2,809	15	106	2,521	165	2
Ottawa/Macdonald-Cartier International	11,701	6,386	2,266	2,651	398	0
Pitt Meadows	3,991	3	106	3,542	331	9
Prince George	2,439	512	1,032	541	347	7
Québec/Jean Lesage International	7,746	1,852	3,223	1,882	789	0
Regina International	4,162	1,499	835	1,755	65	8
Saskatoon/John G. Diefenbaker International	6,195	1,748	2,059	2,333	53	2
Sault Ste. Marie	2,684	72	1,043	1,505	64	0
St. John's International	3,318	1,424	1,522	96	276	0
St-Jean	3,930	9	54	2,309	23	1,535
Sudbury	2,624	47	1,864	411	302	0
Thunder Bay	5,700	908	2,927	1,421	444	0
Toronto/Buttonville Municipal	7,237	80	455	6,037	664	1
Toronto/City Centre	4,995	2	1,837	2,614	542	0
Toronto/Lester B. Pearson International	36,937	31,059	5,750	105	23	0
Vancouver Harbour	6,563	0	3,381	2,214	968	0
Vancouver International	30,474	14,038	11,052	4,117	1,267	0
Victoria International	10,046	1,303	2,723	5,737	283	0
Whitehorse International	2,287	308	470	1,151	357	1
Windsor	1,888	137	597	1,145	9	0
Winnipeg/James Armstrong Richardson International	12,193	5,569	5,026	1,478	120	0
Winnipeg/St. Andrews	3,929	2	484	3,331	112	0
Yellowknife	5,079	836	2,994	634	615	0
Total of NAV CANADA towers (42)	307,257	115,494	77,072	97,636	15,466	1,589

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	1,018	30	203	696	50	39
Campbell River	2,380	46	846	984	504	0
Castlegar	642	17	353	121	151	0
Charlottetown	1,579	468	352	686	73	0
Churchill	1,008	24	889	56	39	0
Cranbrook	944	20	561	331	32	0
Deer Lake	1,645	320	1,165	74	86	0
Fort McMurray	7,505	1,283	2,374	1,876	1,972	0
Fort Nelson	1,847	51	366	528	902	0
Fort St John	2,542	289	587	466	1,200	0
Fredericton International	2,844	315	565	1,735	229	0
Grande Prairie	3,121	286	1,016	884	846	89
High Level	1,577	4	540	526	506	1
Îles-de-la-Madeleine	448	6	323	105	14	0
Inuvik/Mike Zubko	2,242	152	1,050	332	708	0
Iqaluit	1,838	410	1,241	49	138	0
Kamloops	2,650	105	1,148	935	462	0
Kenora	1,497	164	644	412	277	0
Kingston	1,851	67	681	1,007	94	2
Kuujuaq	1,061	140	751	35	135	0
Kuujuarapik	544	10	475	7	52	0
La Grande Rivière	1,025	6	862	111	46	0
La Ronge	2,745	13	1,724	932	76	0
Lethbridge	2,321	85	888	1,315	33	0
Lloydminster	925	15	169	677	64	0
Medicine Hat	1,014	30	425	442	117	0
Mont-Joli	345	23	273	41	8	0
Nanaimo	2,296	38	626	1,548	84	0
Norman Wells	1,300	152	355	443	350	0
North Bay	1,849	72	693	554	530	0
Ottawa/Gatineau	1,435	12	185	1,113	122	3
Peace River	884	12	427	154	291	0
Penticton	1,997	32	614	904	447	0
Port Hardy	1,344	51	703	424	166	0
Prince Albert	2,044	16	1,393	486	149	0
Prince Rupert	535	54	294	101	86	0
Rankin Inlet	1,704	162	1,040	32	470	0
Red Deer Regional	2,395	69	443	1,553	324	6
Rouyn-Noranda	1,028	82	720	214	12	0
Saint John	1,549	437	519	454	139	0
Sept-Îles	2,252	99	1,315	423	415	0
Sioux Lookout	2,436	31	1,990	337	78	0
Smithers	1,119	8	496	215	354	46
St Anthony	372	2	342	10	18	0
St Catharines	1,755	30	49	1,093	579	4
Terrace	1,089	19	562	36	472	0
Thompson	3,503	94	2,494	670	245	0
Timmins	2,230	6	1,771	330	123	0
Val-d'Or	1,222	115	659	333	115	0
Victoria Harbour	4,552	0	3,151	706	695	0
Wabush	940	31	706	71	132	0
Whitecourt	1,191	20	183	250	738	0
Williams Lake	966	24	485	288	169	0
Total of all flight service stations (53)	93,145	6,047	42,686	28,105	16,117	190

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	3,904	467	261	105	86	43	481	3	6	0
Boundary Bay	7,355	302	84	3	4	5	0	1	0	0
Calgary International	963	665	1,852	2,029	1,189	4,191	7,765	1,240	501	754
Calgary/Springbank	5,351	414	140	68	3	28	0	0	0	0
Chicoutimi/St-Honoré	1,431	353	68	6	2	15	0	0	0	0
Edmonton City Centre	3,047	756	1,717	719	237	50	4	23	0	0
Edmonton International	341	261	545	833	468	2,565	4,838	739	215	102
Edmonton/Villeneuve	1,414	86	52	0	0	0	0	0	0	0
Gander International	955	34	186	261	366	351	47	118	22	66
Halifax/Robert L. Stanfield International	287	278	589	1,174	925	1,298	2,249	405	221	236
Hamilton	1,217	471	319	388	321	238	565	11	623	68
Kelowna	1,645	173	291	782	189	753	846	4	12	0
Kitchener/Waterloo	3,065	265	298	67	216	24	61	4	0	0
Langley	3,631	191	11	0	25	0	5	0	0	0
London	4,370	284	310	88	801	151	210	7	0	2
Moncton/Greater Moncton International	3,073	238	474	296	175	534	416	6	262	0
Montréal/Mirabel International	494	160	64	123	70	244	91	3	277	171
Montréal/Pierre Elliott Trudeau International	771	317	936	1,074	3,005	5,936	4,530	1,268	74	1,893
Montréal/St-Hubert	5,089	734	925	186	167	20	4	0	10	0
Oshawa	2,463	219	85	7	33	2	0	0	0	0
Ottawa/Macdonald-Cartier International	2,705	207	1,112	300	616	2,975	2,618	754	239	175
Pitt Meadows	3,805	67	114	0	2	3	0	0	0	0
Prince George	724	256	188	588	22	475	186	0	0	0
Québec/Jean Lesage International	2,014	605	970	363	1,452	1,868	398	32	0	44
Regina International	1,359	522	481	376	89	473	785	0	77	0
Saskatoon/John G. Diefenbaker International	1,925	517	890	688	341	799	980	2	53	0
Sault Ste. Marie	1,495	176	537	82	303	91	0	0	0	0
St. John's International	79	39	461	411	811	115	968	347	75	12
St-Jean	3,694	173	50	8	0	5	0	0	0	0
Sudbury	393	351	1,338	126	127	285	2	2	0	0
Thunder Bay	1,508	325	2,516	289	158	563	328	13	0	0
Toronto/Buttonville Municipal	6,178	588	330	77	42	16	6	0	0	0
Toronto/City Centre	2,670	312	725	26	10	1,250	0	2	0	0
Toronto/Lester B. Pearson International	38	411	338	2,488	3,611	7,892	13,283	3,930	647	4,299
Vancouver Harbour	272	4,589	1,669	29	4	0	0	0	0	0
Vancouver International	1,434	5,251	1,173	3,169	2,715	5,110	6,557	1,736	668	2,661
Victoria International	5,017	1,205	320	618	1,223	971	628	20	42	2
Whitehorse International	1,199	357	170	88	49	141	265	2	0	16
Windsor	1,084	131	51	112	384	88	18	0	10	10
Winnipeg/James Armstrong Richardson International	794	887	3,424	630	983	1,538	2,801	437	677	22
Winnipeg/St. Andrews	2,929	859	133	8	0	0	0	0	0	0
Yellowknife	744	717	1,125	270	299	1,115	625	184	0	0
Total of NAV CANADA towers (42)	92,926	25,213	27,322	18,955	21,523	42,221	52,560	11,293	4,711	10,533

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	722	48	159	28	16	8	2	35	0	0
Campbell River	1,371	134	78	493	281	21	2	0	0	0
Castlegar	254	18	34	87	8	221	20	0	0	0
Charlottetown	547	217	77	34	252	363	89	0	0	0
Churchill	64	56	162	110	146	366	8	96	0	0
Cranbrook	290	81	52	231	168	118	4	0	0	0
Deer Lake	117	27	151	122	908	133	176	6	5	0
Fort McMurray	2,724	1,433	1,194	740	236	716	456	0	6	0
Fort Nelson	1,216	183	140	137	159	12	0	0	0	0
Fort St John	1,497	62	377	225	108	263	10	0	0	0
Fredericton International	1,613	191	264	244	151	359	4	4	0	14
Grande Prairie	1,489	302	513	157	67	460	133	0	0	0
High Level	837	278	263	140	2	6	51	0	0	0
Îles-de-la-Madeleine	12	95	67	26	161	85	2	0	0	0
Inuvik/Mike Zubko	693	127	758	375	100	61	126	2	0	0
Iqaluit	106	37	518	148	293	406	203	21	104	2
Kamloops	1,048	302	113	340	315	527	3	2	0	0
Kenora	398	152	805	65	40	27	2	8	0	0
Kingston	1,006	105	176	489	53	8	0	14	0	0
Kuujuuaq	160	35	579	10	99	64	86	3	25	0
Kuujuuarapik	43	6	236	7	178	74	0	0	0	0
La Grande Rivière	56	122	122	23	149	551	0	2	0	0
La Ronge	258	470	805	123	367	722	0	0	0	0
Lethbridge	1,192	163	506	345	103	9	2	1	0	0
Lloydminster	638	92	95	91	8	1	0	0	0	0
Medicine Hat	523	38	197	243	6	7	0	0	0	0
Mont-Joli	21	24	125	48	105	22	0	0	0	0
Nanaimo	1,338	332	76	159	34	354	3	0	0	0
Norman Wells	673	184	235	8	8	42	146	4	0	0
North Bay	990	196	310	90	184	59	6	12	0	2
Ottawa/Gatineau	1,022	164	153	84	0	10	0	2	0	0
Peace River	320	108	416	32	8	0	0	0	0	0
Penticton	1,205	142	51	342	52	205	0	0	0	0
Port Hardy	194	391	367	168	208	14	2	0	0	0
Prince Albert	222	190	388	305	486	453	0	0	0	0
Prince Rupert	58	128	58	29	95	167	0	0	0	0
Rankin Inlet	472	62	482	123	269	130	155	8	3	0
Red Deer Regional	1,628	174	313	176	75	4	25	0	0	0
Rouyn-Noranda	214	12	338	18	217	169	60	0	0	0
Saint John	326	177	204	285	113	371	66	7	0	0
Sept-Îles	496	348	472	165	708	63	0	0	0	0
Sioux Lookout	149	295	1,459	524	2	6	1	0	0	0
Smithers	571	85	60	219	72	110	2	0	0	0
St Anthony	10	17	228	33	84	0	0	0	0	0
St Catharines	1,527	146	46	14	10	10	0	2	0	0
Terrace	463	36	57	227	133	173	0	0	0	0
Thompson	315	964	1,424	26	290	430	54	0	0	0
Timmins	372	215	1,003	75	382	181	2	0	0	0
Val-d'Or	390	56	278	39	281	89	8	0	81	0
Victoria Harbour	35	2,779	1,734	0	4	0	0	0	0	0
Wabush	124	54	171	47	530	14	0	0	0	0
Whitecourt	864	145	80	88	8	0	6	0	0	0
Williams Lake	376	87	31	426	15	0	31	0	0	0
Total of all flight service stations (53)	33,249	12,285	19,000	8,783	8,747	8,664	1,946	229	224	18

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	5,271	650	1,941	1,166	1,254	236	24
Transborder	83	13	4	4	60	0	2
Other international	2	0	0	0	2	0	0
Total	5,356	663	1,945	1,170	1,316	236	26
Boundary Bay							
Domestic	7,681	6	1,311	4,838	1,464	53	9
Transborder	73	0	3	24	46	0	0
Other international	0	0	0	0	0	0	0
Total	7,754	6	1,314	4,862	1,510	53	9
Calgary International							
Domestic	17,068	13,832	1,201	525	1,124	158	228
Transborder	3,462	2,989	66	41	360	2	4
Other international	619	597	0	0	15	0	7
Total	21,149	17,418	1,267	566	1,499	160	239
Calgary/Springbank							
Domestic	5,911	28	665	3,442	1,732	27	17
Transborder	93	7	7	7	72	0	0
Other international	0	0	0	0	0	0	0
Total	6,004	35	672	3,449	1,804	27	17
Chicoutimi/St-Honoré							
Domestic	1,873	24	749	880	197	4	19
Transborder	2	0	1	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,875	24	750	880	198	4	19
Edmonton City Centre							
Domestic	6,518	1,682	781	1,921	1,571	442	121
Transborder	34	0	12	0	19	3	0
Other international	1	0	0	0	0	1	0
Total	6,553	1,682	793	1,921	1,590	446	121
Edmonton International							
Domestic	9,537	8,716	265	161	312	23	60
Transborder	1,257	1,191	7	1	49	1	8
Other international	113	113	0	0	0	0	0
Total	10,907	10,020	272	162	361	24	68
Edmonton/Villeneuve							
Domestic	1,551	9	222	868	430	14	8
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,552	9	222	868	431	14	8
Gander International							
Domestic	1,761	352	1,131	18	93	39	128
Transborder	287	52	3	5	138	0	89
Other international	358	101	10	9	149	0	89
Total	2,406	505	1,144	32	380	39	306
Halifax/Robert L Stanfield International							
Domestic	6,172	4,971	339	74	276	345	167
Transborder	1,031	869	50	8	86	0	18
Other international	459	275	110	6	26	11	31
Total	7,662	6,115	499	88	388	356	216
Hamilton							
Domestic	3,594	1,591	880	186	712	211	14
Transborder	543	396	7	2	135	1	2
Other international	84	76	0	0	7	0	1
Total	4,221	2,063	887	188	854	212	17

Table 7-1 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Kelowna							
Domestic	4,352	2,256	322	899	673	132	70
Transborder	343	242	8	10	76	1	6
Other international	0	0	0	0	0	0	0
Total	4,695	2,498	330	909	749	133	76
Kitchener/Waterloo							
Domestic	3,620	231	2,137	422	785	15	30
Transborder	379	174	41	6	157	0	1
Other international	1	0	1	0	0	0	0
Total	4,000	405	2,179	428	942	15	31
Langley							
Domestic	3,850	124	152	2,285	1,281	8	0
Transborder	12	0	0	0	12	0	0
Other international	1	0	1	0	0	0	0
Total	3,863	124	153	2,285	1,293	8	0
London							
Domestic	5,775	984	1,323	2,553	835	70	10
Transborder	445	294	6	2	142	1	0
Other international	3	2	0	0	1	0	0
Total	6,223	1,280	1,329	2,555	978	71	10
Moncton/Greater Moncton International							
Domestic	5,395	1,873	2,763	172	188	341	58
Transborder	71	62	0	0	8	0	1
Other international	8	7	0	0	0	0	1
Total	5,474	1,942	2,763	172	196	341	60
Montréal/Mirabel International							
Domestic	1,493	588	329	89	399	2	86
Transborder	186	173	0	0	13	0	0
Other international	18	15	1	0	2	0	0
Total	1,697	776	330	89	414	2	86
Montréal/Pierre Elliott Trudeau International							
Domestic	11,350	9,109	372	661	1,015	161	32
Transborder	6,375	5,516	100	76	678	2	3
Other international	2,079	1,892	22	27	127	2	9
Total	19,804	16,517	494	764	1,820	165	44
Montréal/St-Hubert							
Domestic	6,906	2,973	620	2,020	999	124	170
Transborder	222	28	5	6	182	1	0
Other international	7	4	3	0	0	0	0
Total	7,135	3,005	628	2,026	1,181	125	170
Oshawa							
Domestic	2,735	130	151	1,406	1,034	3	11
Transborder	74	33	2	2	37	0	0
Other international	0	0	0	0	0	0	0
Total	2,809	163	153	1,408	1,071	3	11
Ottawa/Macdonald-Cartier International							
Domestic	9,204	5,334	379	2,230	455	530	276
Transborder	2,339	2,159	18	8	140	11	3
Other international	158	137	2	1	9	0	9
Total	11,701	7,630	399	2,239	604	541	288
Pitt Meadows							
Domestic	3,973	60	768	1,757	1,305	10	73
Transborder	15	0	0	1	14	0	0
Other international	3	0	0	1	2	0	0
Total	3,991	60	768	1,759	1,321	10	73

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	2,362	1,240	478	39	471	110	24
Transborder	77	50	0	1	23	0	3
Other international	0	0	0	0	0	0	0
Total	2,439	1,290	478	40	494	110	27
Québec/Jean Lesage International							
Domestic	6,941	3,493	789	1,105	754	378	422
Transborder	681	461	14	10	154	7	35
Other international	124	45	19	6	41	5	8
Total	7,746	3,999	822	1,121	949	390	465
Regina International							
Domestic	3,947	1,831	918	85	476	233	404
Transborder	215	122	2	2	86	0	3
Other international	0	0	0	0	0	0	0
Total	4,162	1,953	920	87	562	233	407
Saskatoon/John G Diefenbaker International							
Domestic	5,998	3,063	1,059	579	755	386	156
Transborder	197	131	2	3	59	0	2
Other international	0	0	0	0	0	0	0
Total	6,195	3,194	1,061	582	814	386	158
Sault Ste. Marie							
Domestic	2,627	884	236	1,288	135	41	43
Transborder	56	9	5	0	42	0	0
Other international	1	0	0	0	1	0	0
Total	2,684	893	241	1,288	178	41	43
St. John's International							
Domestic	2,908	1,964	599	74	94	91	86
Transborder	196	69	0	3	44	0	80
Other international	214	68	7	14	39	0	86
Total	3,318	2,101	606	91	177	91	252
St-Jean							
Domestic	3,929	205	65	321	1,750	12	1,576
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	3,930	205	65	321	1,751	12	1,576
Sudbury							
Domestic	2,596	1,489	606	72	273	127	29
Transborder	28	10	2	1	14	1	0
Other international	0	0	0	0	0	0	0
Total	2,624	1,499	608	73	287	128	29
Thunder Bay							
Domestic	5,492	2,942	945	986	366	173	80
Transborder	208	128	11	1	66	0	2
Other international	0	0	0	0	0	0	0
Total	5,700	3,070	956	987	432	173	82
Toronto/Buttonville Municipal							
Domestic	6,971	326	731	4,010	1,853	51	0
Transborder	265	55	11	23	176	0	0
Other international	1	0	1	0	0	0	0
Total	7,237	381	743	4,033	2,029	51	0
Toronto/City Centre							
Domestic	4,484	1,154	1,045	1,653	574	38	20
Transborder	511	336	20	6	149	0	0
Other international	0	0	0	0	0	0	0
Total	4,995	1,490	1,065	1,659	723	38	20

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	17,373	16,432	359	94	443	26	19
Transborder	15,264	14,070	87	61	1,045	0	1
Other international	4,300	4,254	4	17	25	0	0
Total	36,937	34,756	450	172	1,513	26	20
Vancouver Harbour							
Domestic	6,370	5,049	480	772	65	0	4
Transborder	193	157	9	12	15	0	0
Other international	0	0	0	0	0	0	0
Total	6,563	5,206	489	784	80	0	4
Vancouver International							
Domestic	22,841	19,025	2,017	721	743	284	51
Transborder	5,790	5,307	39	12	420	6	6
Other international	1,843	1,722	94	9	15	3	0
Total	30,474	26,054	2,150	742	1,178	293	57
Victoria International							
Domestic	9,171	3,115	3,174	1,188	1,465	68	161
Transborder	818	433	32	9	342	1	1
Other international	57	1	19	17	19	0	1
Total	10,046	3,549	3,225	1,214	1,826	69	163
Whitehorse International							
Domestic	2,091	852	666	48	463	48	14
Transborder	188	15	2	1	166	0	4
Other international	8	8	0	0	0	0	0
Total	2,287	875	668	49	629	48	18
Windsor							
Domestic	1,714	536	763	62	340	13	0
Transborder	170	81	10	4	75	0	0
Other international	4	3	0	1	0	0	0
Total	1,888	620	773	67	415	13	0
Winnipeg/James Armstrong Richardson International							
Domestic	10,889	8,748	861	84	431	278	487
Transborder	1,287	1,030	17	18	207	2	13
Other international	17	10	0	0	4	0	3
Total	12,193	9,788	878	102	642	280	503
Winnipeg/St. Andrews							
Domestic	3,923	568	2,099	822	422	6	6
Transborder	6	0	1	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	3,929	568	2,100	822	427	6	6
Yellowknife							
Domestic	5,071	3,862	636	105	228	139	101
Transborder	7	2	0	1	3	0	1
Other international	1	0	0	0	1	0	0
Total	5,079	3,864	636	106	232	139	102
Total of NAV CANADA towers (42)							
Domestic	253,288	132,301	37,327	42,681	30,235	5,450	5,294
Transborder	43,485	36,664	604	371	5,518	40	288
Other international	10,484	9,330	294	108	485	22	245
Total	307,257	178,295	38,225	43,160	36,238	5,512	5,827

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	1,006	123	315	74	298	18	178
Transborder	12	0	3	1	8	0	0
Other international	0	0	0	0	0	0	0
Total	1,018	123	318	75	306	18	178
Campbell River							
Domestic	2,275	732	386	557	533	19	48
Transborder	105	23	1	1	80	0	0
Other international	0	0	0	0	0	0	0
Total	2,380	755	387	558	613	19	48
Castlegar							
Domestic	629	299	175	69	69	7	10
Transborder	13	0	2	0	11	0	0
Other international	0	0	0	0	0	0	0
Total	642	299	177	69	80	7	10
Charlottetown							
Domestic	1,490	760	94	387	125	57	67
Transborder	87	63	1	1	22	0	0
Other international	2	0	0	0	2	0	0
Total	1,579	823	95	388	149	57	67
Churchill							
Domestic	1,005	859	82	6	41	11	6
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	1,008	859	82	6	44	11	6
Cranbrook							
Domestic	924	562	71	42	211	8	30
Transborder	20	0	3	0	17	0	0
Other international	0	0	0	0	0	0	0
Total	944	562	74	42	228	8	30
Deer Lake							
Domestic	1,638	1,315	231	19	32	19	22
Transborder	1	0	0	0	1	0	0
Other international	6	4	0	1	1	0	0
Total	1,645	1,319	231	20	34	19	22
Fort McMurray							
Domestic	7,499	3,928	2,320	497	696	49	9
Transborder	6	1	0	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	7,505	3,929	2,320	497	701	49	9
Fort Nelson							
Domestic	1,847	328	628	553	275	18	45
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,847	328	628	553	275	18	45
Fort St John							
Domestic	2,537	755	1,207	137	422	14	2
Transborder	5	0	1	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	2,542	755	1,208	137	426	14	2
Fredericton International							
Domestic	2,790	780	1,296	87	317	125	185
Transborder	54	14	2	0	38	0	0
Other international	0	0	0	0	0	0	0
Total	2,844	794	1,298	87	355	125	185

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	3,120	1,049	1,325	94	531	28	93
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	3,121	1,049	1,325	94	532	28	93
High Level							
Domestic	1,576	199	1,203	47	89	17	21
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,577	199	1,203	47	90	17	21
Îles-de-la-Madeleine							
Domestic	444	332	10	32	17	44	9
Transborder	2	0	0	0	2	0	0
Other international	2	2	0	0	0	0	0
Total	448	334	10	32	19	44	9
Inuvik/Mike Zubko							
Domestic	2,230	553	1,562	0	52	26	37
Transborder	12	12	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	2,242	565	1,562	0	52	26	37
Iqaluit							
Domestic	1,707	1,177	337	65	46	59	23
Transborder	51	21	12	2	14	0	2
Other international	80	26	0	12	39	1	2
Total	1,838	1,224	349	79	99	60	27
Kamloops							
Domestic	2,609	1,049	709	297	465	66	23
Transborder	39	0	2	4	33	0	0
Other international	2	0	0	0	2	0	0
Total	2,650	1,049	711	301	500	66	23
Kenora							
Domestic	1,310	414	509	85	147	56	99
Transborder	187	7	1	0	179	0	0
Other international	0	0	0	0	0	0	0
Total	1,497	421	510	85	326	56	99
Kingston							
Domestic	1,807	528	355	440	358	46	80
Transborder	44	2	2	0	39	0	1
Other international	0	0	0	0	0	0	0
Total	1,851	530	357	440	397	46	81
Kuujuuaq							
Domestic	1,055	831	145	4	47	24	4
Transborder	1	1	0	0	0	0	0
Other international	5	1	0	0	4	0	0
Total	1,061	833	145	4	51	24	4
Kuujuarapik							
Domestic	544	463	58	6	3	14	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	544	463	58	6	3	14	0
La Grande Rivière							
Domestic	1,024	730	171	85	30	6	2
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,025	730	171	85	31	6	2
La Ronge							
Domestic	2,725	1,386	175	32	186	649	297
Transborder	19	0	0	0	19	0	0
Other international	1	1	0	0	0	0	0
Total	2,745	1,387	175	32	205	649	297

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	2,222	547	26	1,192	374	29	54
Transborder	99	0	0	5	93	0	1
Other international	0	0	0	0	0	0	0
Total	2,321	547	26	1,197	467	29	55
Lloydminster							
Domestic	924	123	397	41	335	8	20
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	925	123	397	41	336	8	20
Medicine Hat							
Domestic	1,006	555	83	42	275	7	44
Transborder	8	0	0	0	7	0	1
Other international	0	0	0	0	0	0	0
Total	1,014	555	83	42	282	7	45
Mont-Joli							
Domestic	344	290	11	8	20	13	2
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	345	290	11	8	21	13	2
Nanaimo							
Domestic	2,183	558	513	197	850	48	17
Transborder	113	21	2	0	88	0	2
Other international	0	0	0	0	0	0	0
Total	2,296	579	515	197	938	48	19
Norman Wells							
Domestic	1,300	864	370	0	57	7	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,300	864	370	0	57	7	2
North Bay							
Domestic	1,792	539	592	280	315	32	34
Transborder	54	6	0	0	44	0	4
Other international	3	2	0	0	1	0	0
Total	1,849	547	592	280	360	32	38
Ottawa/Gatineau							
Domestic	1,433	165	155	258	728	103	24
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,435	165	155	258	730	103	24
Peace River							
Domestic	884	467	303	10	72	30	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	884	467	303	10	72	30	2
Penticton							
Domestic	1,955	521	717	90	517	18	92
Transborder	42	0	0	3	39	0	0
Other international	0	0	0	0	0	0	0
Total	1,997	521	717	93	556	18	92
Port Hardy							
Domestic	1,268	938	85	29	102	77	37
Transborder	76	9	0	0	65	0	2
Other international	0	0	0	0	0	0	0
Total	1,344	947	85	29	167	77	39

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Prince Albert							
Domestic	2,041	1,315	182	73	164	257	50
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	2,044	1,315	182	73	167	257	50
Prince Rupert							
Domestic	507	339	73	22	44	27	2
Transborder	28	1	0	0	27	0	0
Other international	0	0	0	0	0	0	0
Total	535	340	73	22	71	27	2
Rankin Inlet							
Domestic	1,704	1,163	464	27	22	18	10
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,704	1,163	464	27	22	18	10
Red Deer Regional							
Domestic	2,386	255	1,154	266	638	22	51
Transborder	9	0	1	2	6	0	0
Other international	0	0	0	0	0	0	0
Total	2,395	255	1,155	268	644	22	51
Rouyn-Noranda							
Domestic	1,024	594	126	75	201	28	0
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	1,028	594	126	75	205	28	0
Saint John							
Domestic	1,452	816	198	106	218	6	108
Transborder	93	4	1	4	83	0	1
Other international	4	2	0	0	2	0	0
Total	1,549	822	199	110	303	6	109
Sept-Îles							
Domestic	2,195	1,219	517	229	127	97	6
Transborder	56	10	0	0	46	0	0
Other international	1	0	0	0	1	0	0
Total	2,252	1,229	517	229	174	97	6
Sioux Lookout							
Domestic	2,365	1,831	414	17	85	16	2
Transborder	71	1	0	0	70	0	0
Other international	0	0	0	0	0	0	0
Total	2,436	1,832	414	17	155	16	2
Smithers							
Domestic	1,111	445	360	55	141	16	94
Transborder	8	1	0	1	6	0	0
Other international	0	0	0	0	0	0	0
Total	1,119	446	360	56	147	16	94
St Anthony							
Domestic	372	280	16	58	8	8	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	372	280	16	58	8	8	2
St Catharines							
Domestic	1,683	7	580	93	446	47	510
Transborder	72	5	4	0	63	0	0
Other international	0	0	0	0	0	0	0
Total	1,755	12	584	93	509	47	510

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	1,085	531	385	67	54	48	0
Transborder	4	0	1	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	1,089	531	386	67	57	48	0
Thompson							
Domestic	3,500	2,675	452	13	79	247	34
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	3,503	2,675	452	13	82	247	34
Timmins							
Domestic	2,227	1,571	242	28	284	94	8
Transborder	3	0	0	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	2,230	1,571	242	28	287	94	8
Val-d'Or							
Domestic	1,220	687	83	95	315	34	6
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,222	687	83	95	317	34	6
Victoria Harbour							
Domestic	4,188	3,893	16	166	21	88	4
Transborder	364	0	0	0	363	1	0
Other international	0	0	0	0	0	0	0
Total	4,552	3,893	16	166	384	89	4
Wabush							
Domestic	936	674	130	37	62	29	4
Transborder	3	0	0	0	3	0	0
Other international	1	0	0	0	1	0	0
Total	940	674	130	37	66	29	4
Whitecourt							
Domestic	1,189	39	684	289	164	9	4
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,191	39	684	289	166	9	4
Williams Lake							
Domestic	965	443	205	47	249	13	8
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	966	443	205	47	250	13	8
Total of all flight service stations (53)							
Domestic	91,252	43,496	22,897	7,525	11,957	2,856	2,521
Transborder	1,786	202	39	24	1,506	1	14
Other international	107	38	0	13	53	1	2
Total	93,145	43,736	22,936	7,562	13,516	2,858	2,537

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	13	12,316	19	11	120	25	668
Boundary Bay	4	20,486	20	17	111	10	962
Calgary International	3	21,294	25	19	65	19	863
Calgary/Springbank	12	12,955	13	11	106	19	848
Chicoutimi/St-Honoré	35	4,715	4	9	142	30	467
Edmonton City Centre	25	7,588	24	11	60	18	363
Edmonton International	15	11,211	19	12	42	11	460
Edmonton/Villeneuve	29	6,322	1	11	77	1	422
Gander International	36	4,138	22	11	73	5	307
Halifax/Robert L Stanfield International	22	8,738	15	17	74	14	677
Hamilton	28	6,379	14	13	62	14	456
Kelowna	26	7,291	13	9	54	24	396
Kitchener/Waterloo	23	8,686	12	14	88	24	648
Langley	18	10,155	21	11	69	12	509
London	9	15,176	11	12	101	24	1,004
Moncton/Greater Moncton International	19	10,060	9	16	62	20	676
Montréal/Mirabel International	42	2,138	11	11	39	5	136
Montréal/Pierre Elliott Trudeau International	5	19,804	12	18	76	12	787
Montréal/St-Hubert	6	17,970	12	19	136	12	1,374
Oshawa	31	6,008	30	11	59	24	414
Ottawa/Macdonald-Cartier International	8	16,270	5	11	93	25	810
Pitt Meadows	14	11,776	14	15	92	14	644
Prince George	39	3,197	1	10	49	1	254
Québec/Jean Lesage International	16	10,349	4	11	84	5	584
Regina International	32	5,840	24	22	51	23	294
Saskatoon/John G Diefenbaker International	21	9,691	16	11	76	6	443
Sault Ste. Marie	33	5,462	20	15	59	4	450
St. John's International	37	3,519	5	0	43	5	186
St-Jean	34	5,003	30	11	83	13	418
Sudbury	40	3,054	7	11	43	27	196
Thunder Bay	24	8,347	14	12	78	5	405
Toronto/Buttrickville Municipal	10	14,883	12	10	112	12	1,126
Toronto/City Centre	20	9,770	14	16	74	6	519
Toronto/Lester B Pearson International	1	36,937	9	19	121	20	1,353
Vancouver Harbour	27	6,575	6	18	37	20	280
Vancouver International	2	30,474	20	16	96	27	1,240
Victoria International	7	16,625	24	14	89	24	731
Whitehorse International	38	3,261	20	12	37	17	203
Windsor	41	2,938	7	11	37	20	206
Winnipeg/James Armstrong Richardson International	11	12,995	12	15	59	5	574
Winnipeg/St. Andrews	17	10,217	10	13	102	10	698
Yellowknife	30	6,063	10	16	44	12	276

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	25	1,898	5	11	48	5	191
Campbell River	7	3,856	13	15	56	13	267
Castlegar	47	936	28	12	31	14	82
Charlottetown	18	2,625	17	15	29	22	205
Churchill	43	1,094	25	13	68	25	120
Cranbrook	38	1,245	18	7	32	18	84
Deer Lake	30	1,745	5	18	30	5	100
Fort McMurray	1	8,345	6	19	47	11	442
Fort Nelson	24	1,955	6	16	32	10	113
Fort St John	17	2,760	18	19	30	18	147
Fredericton International	2	5,272	2	13	63	25	402
Grande Prairie	4	4,453	14	10	50	12	252
High Level	31	1,739	17	16	24	3	120
Îles-de-la-Madeleine	51	480	25	15	15	25	56
Inuvik/Mike Zubko	21	2,352	3	18	22	19	112
Iqaluit	27	1,884	17	14	14	30	101
Kamloops	9	3,562	15	10	53	15	245
Kenora	29	1,748	1	15	45	1	93
Kingston	13	3,067	21	16	63	12	203
Kuujuaq	42	1,121	6	11	10	13	53
Kuujuarapik	50	552	24	9	11	30	42
La Grande Rivière	45	1,039	22	15	13	28	52
La Ronge	16	2,917	22	15	27	22	150
Lethbridge	11	3,319	18	16	36	16	220
Lloydminster	37	1,329	20	14	28	15	98
Medicine Hat	35	1,486	12	19	37	25	116
Mont-Joli	53	371	9	10	9	9	26
Nanaimo	15	2,972	14	12	34	27	176
Norman Wells	34	1,582	2	13	17	2	119
North Bay	5	4,347	5	15	74	12	318
Ottawa/Gatineau	12	3,217	29	11	55	7	270
Peace River	48	906	1	10	8	3	54
Penticton	10	3,485	3	11	52	3	224
Port Hardy	36	1,382	7	14	34	27	79
Prince Albert	23	2,184	19	20	26	19	139
Prince Rupert	49	649	2	12	25	2	71
Rankin Inlet	32	1,724	6	18	21	11	92
Red Deer Regional	6	4,337	16	13	56	16	397
Rouyn-Noranda	41	1,182	2	10	24	25	78
Saint John	33	1,699	6	9	22	25	108
Sept-Îles	19	2,512	4	10	25	13	139
Sioux Lookout	20	2,511	13	11	21	11	112
Smithers	39	1,217	23	11	31	8	108
St Anthony	52	372	9	14	7	6	22
St Catharines	14	3,029	11	10	48	11	220
Terrace	40	1,203	26	10	29	26	72
Thompson	8	3,737	1	17	32	17	230
Timmins	22	2,306	14	11	31	11	122
Val-d'Or	28	1,850	2	16	47	2	209
Victoria Harbour	3	4,552	18	8	25	13	219
Wabush	46	963	6	8	14	27	52
Whitecourt	26	1,893	18	14	36	11	124
Williams Lake	44	1,042	11	18	16	11	75

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	5,356	24	11	36	18	254
Boundary Bay	9	7,754	30	14	46	25	380
Calgary International	3	21,149	25	19	65	19	857
Calgary/Springbank	18	6,004	5	10	46	20	394
Chicoutimi/St-Honoré	40	1,875	25	14	26	30	135
Edmonton City Centre	15	6,553	19	17	34	23	308
Edmonton International	7	10,907	23	18	38	19	436
Edmonton/Villeneuve	42	1,552	23	10	15	23	92
Gander International	37	2,406	5	15	19	4	163
Halifax/Robert L Stanfield International	11	7,662	15	17	42	14	417
Hamilton	25	4,221	14	13	28	15	227
Kelowna	24	4,695	18	10	24	27	220
Kitchener/Waterloo	27	4,000	12	14	30	24	282
Langley	31	3,863	21	11	35	20	202
London	16	6,223	20	14	41	11	378
Moncton/Greater Moncton International	20	5,474	25	16	28	25	367
Montréal/Mirabel International	41	1,697	5	14	17	5	110
Montréal/Pierre Elliott Trudeau International	4	19,804	12	18	76	12	787
Montréal/St-Hubert	13	7,135	12	20	54	12	576
Oshawa	33	2,809	21	13	39	21	240
Ottawa/Macdonald-Cartier International	6	11,701	2	14	42	12	518
Pitt Meadows	28	3,991	14	15	36	14	224
Prince George	36	2,439	25	18	16	27	116
Québec/Jean Lesage International	10	7,746	20	11	41	5	392
Regina International	26	4,162	6	16	20	18	204
Saskatoon/John G Diefenbaker International	17	6,195	5	14	29	5	264
Sault Ste. Marie	34	2,684	11	17	20	12	145
St. John's International	32	3,318	23	17	20	20	156
St-Jean	29	3,930	30	11	53	20	379
Sudbury	35	2,624	27	17	17	24	139
Thunder Bay	19	5,700	2	13	30	18	280
Toronto/Buttonville Municipal	12	7,237	21	11	51	12	532
Toronto/City Centre	23	4,995	7	11	27	6	243
Toronto/Lester B Pearson International	1	36,937	9	19	121	20	1,353
Vancouver Harbour	14	6,563	6	18	37	20	280
Vancouver International	2	30,474	20	16	96	27	1,240
Victoria International	8	10,046	24	11	44	18	412
Whitehorse International	38	2,287	25	17	17	24	126
Windsor	39	1,888	7	11	23	19	108
Winnipeg/James Armstrong Richardson International	5	12,193	16	15	45	26	524
Winnipeg/St. Andrews	30	3,929	19	12	31	17	271
Yellowknife	22	5,079	13	17	28	11	218

Table 9-2
Itinerant aircraft movements, peak hour and peak day — NAV CANADA flight service stations

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	40	1,018	1	11	21	1	97
Campbell River	11	2,380	4	12	18	25	124
Castlegar	48	642	29	11	8	30	34
Charlottetown	26	1,579	25	15	13	25	96
Churchill	42	1,008	4	11	8	4	54
Cranbrook	44	944	15	11	10	15	49
Deer Lake	25	1,645	5	18	14	5	80
Fort McMurray	1	7,505	11	18	46	11	420
Fort Nelson	21	1,847	26	9	19	3	107
Fort St John	8	2,542	13	15	23	19	115
Fredericton International	5	2,844	25	17	22	25	230
Grande Prairie	4	3,121	22	20	20	12	144
High Level	27	1,577	3	17	15	3	118
Îles-de-la-Madeleine	51	448	17	11	7	25	24
Inuvik/Mike Zubko	15	2,242	26	17	15	25	103
Iqaluit	22	1,838	17	14	14	30	95
Kamloops	7	2,650	19	11	38	19	142
Kenora	29	1,497	1	15	45	1	87
Kingston	19	1,851	19	11	17	12	105
Kuujuaq	37	1,061	2	15	8	20	52
Kuujuarapik	49	544	30	17	9	30	42
La Grande Rivière	39	1,025	28	10	10	28	52
La Ronge	6	2,745	22	15	27	22	148
Lethbridge	12	2,321	5	10	25	25	131
Lloydminster	46	925	15	10	17	15	98
Medicine Hat	41	1,014	26	9	11	25	74
Mont-Joli	53	345	19	8	6	19	23
Nanaimo	13	2,296	14	12	18	27	132
Norman Wells	32	1,300	21	17	14	21	96
North Bay	20	1,849	13	11	36	12	154
Ottawa/Gatineau	30	1,435	7	14	30	7	194
Peace River	47	884	1	10	8	3	52
Penticton	18	1,997	25	16	15	30	112
Port Hardy	31	1,344	22	12	15	27	79
Prince Albert	17	2,044	5	15	18	5	119
Prince Rupert	50	535	2	14	7	23	43
Rankin Inlet	24	1,704	11	12	13	11	92
Red Deer Regional	10	2,395	16	14	22	16	179
Rouyn-Noranda	38	1,028	15	11	20	15	67
Saint John	28	1,549	25	11	16	25	106
Sept-Îles	14	2,252	26	8	18	13	123
Sioux Lookout	9	2,436	7	14	16	18	107
Smithers	35	1,119	8	12	18	8	98
St Anthony	52	372	9	14	7	6	22
St Catharines	23	1,755	21	15	21	21	129
Terrace	36	1,089	10	9	10	18	61
Thompson	3	3,503	9	10	17	17	156
Timmins	16	2,230	14	11	31	11	108
Val-d'Or	33	1,222	15	9	20	5	69
Victoria Harbour	2	4,552	18	8	25	13	219
Wabush	45	940	27	10	10	27	52
Whitecourt	34	1,191	12	14	17	12	75
Williams Lake	43	966	28	12	11	2	62

Table 10-1
Local movements, peak hour and peak day — NAV CANADA towers

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	6	6,960	19	11	96	25	414
Boundary Bay	1	12,732	11	21	86	10	722
Calgary International	38	145	11	17	8	13	16
Calgary/Springbank	7	6,951	13	11	71	19	504
Chicoutimi/St-Honoré	18	2,840	4	9	131	30	332
Edmonton City Centre	29	1,035	24	11	30	25	76
Edmonton International	36	304	11	23	12	11	28
Edmonton/Villeneuve	12	4,770	1	11	68	1	352
Gander International	24	1,732	22	11	62	22	170
Halifax/Robert L Stanfield International	26	1,076	13	21	32	14	260
Hamilton	23	2,158	19	9	44	14	240
Kelowna	22	2,596	13	9	38	24	212
Kitchener/Waterloo	13	4,686	21	13	60	24	366
Langley	9	6,292	23	11	52	12	336
London	3	8,953	2	13	70	24	632
Moncton/Greater Moncton International	14	4,586	2	16	46	20	400
Montréal/Mirabel International	34	441	11	11	26	18	42
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	2	10,835	4	9	112	12	798
Oshawa	17	3,199	18	13	44	24	236
Ottawa/Macdonald-Cartier International	15	4,569	5	11	54	9	342
Pitt Meadows	4	7,785	25	9	80	23	436
Prince George	33	758	1	10	44	1	178
Québec/Jean Lesage International	21	2,603	4	11	50	3	223
Regina International	25	1,678	24	22	44	23	120
Saskatoon/John G Diefenbaker International	16	3,496	16	11	56	6	208
Sault Ste. Marie	19	2,778	3	9	44	4	306
St. John's International	37	201	5	0	38	5	44
St-Jean	27	1,073	13	17	63	11	128
Sudbury	35	430	7	11	38	7	68
Thunder Bay	20	2,647	14	12	60	15	202
Toronto/Buttonville Municipal	5	7,646	6	11	68	12	594
Toronto/City Centre	11	4,775	14	14	54	20	284
Toronto/Lester B Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	39	12	10	8	6	10	6
Vancouver International	0	0	0	0	0	0	0
Victoria International	8	6,579	24	14	60	24	330
Whitehorse International	31	974	5	12	30	17	104
Windsor	28	1,050	18	11	30	20	106
Winnipeg/James Armstrong Richardson International	32	802	12	15	20	15	98
Winnipeg/St. Andrews	10	6,288	10	13	72	10	446
Yellowknife	30	984	8	14	30	13	76

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	13	880	3	15	38	5	150
Campbell River	6	1,476	13	15	46	13	186
Castlegar	21	294	28	12	30	14	62
Charlottetown	10	1,046	1	20	24	22	112
Churchill	38	86	25	13	68	25	80
Cranbrook	20	301	18	7	28	18	42
Deer Lake	36	100	21	10	24	21	60
Fort McMurray	14	840	1	14	32	1	84
Fort Nelson	35	108	6	16	24	6	26
Fort St John	26	218	18	19	22	18	38
Fredericton International	2	2,428	2	13	50	2	240
Grande Prairie	7	1,332	14	10	46	14	118
High Level	28	162	17	14	18	17	40
Îles-de-la-Madeleine	45	32	25	15	14	25	32
Inuvik/Mike Zubko	34	110	19	21	14	3	24
Iqaluit	43	46	1	15	8	1	16
Kamloops	12	912	15	10	46	15	154
Kenora	24	251	8	11	24	5	32
Kingston	9	1,216	21	16	52	27	108
Kuujuaq	42	60	6	11	6	7	22
Kuujuarapik	51	8	24	9	8	24	8
La Grande Rivière	50	14	22	15	10	22	12
La Ronge	27	172	19	10	14	19	26
Lethbridge	11	998	4	13	24	4	106
Lloydminster	19	404	20	14	22	13	44
Medicine Hat	18	472	12	19	32	5	60
Mont-Joli	46	26	7	16	6	9	12
Nanaimo	16	676	28	9	22	14	50
Norman Wells	22	282	2	17	14	2	70
North Bay	1	2,498	5	15	64	4	202
Ottawa/Gatineau	4	1,782	11	10	50	11	182
Peace River	48	22	5	23	6	5	10
Penticton	5	1,488	3	11	46	3	154
Port Hardy	44	38	7	14	22	7	22
Prince Albert	31	140	19	20	24	19	48
Prince Rupert	33	114	2	12	22	2	40
Rankin Inlet	49	20	6	18	12	6	14
Red Deer Regional	3	1,942	16	13	40	16	218
Rouyn-Noranda	29	154	2	10	20	8	32
Saint John	30	150	6	9	14	16	26
Sept-Îles	23	260	4	10	18	17	30
Sioux Lookout	41	75	13	11	14	24	20
Smithers	37	98	23	11	24	19	24
St Anthony	0	0	0	0	0	0	0
St Catharines	8	1,274	20	15	34	11	114
Terrace	32	114	26	10	20	26	24
Thompson	25	234	17	12	20	17	74
Timmins	39	76	11	12	12	3	20
Val-d'Or	17	628	4	20	40	2	142
Victoria Harbour	0	0	0	0	0	0	0
Wabush	47	23	6	8	10	6	10
Whitecourt	15	702	17	11	32	11	72
Williams Lake	40	76	11	14	10	11	22

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	6	6,954	19	11	96	25	414
Boundary Bay	1	12,724	11	21	86	10	722
Calgary International	38	139	11	17	8	13	16
Calgary/Springbank	7	6,949	13	11	71	19	504
Chicoutimi/St-Honoré	18	2,824	4	9	131	30	332
Edmonton City Centre	28	995	8	15	28	25	76
Edmonton International	36	270	11	23	12	11	28
Edmonton/Villeneuve	12	4,770	1	11	68	1	352
Gander International	25	1,578	22	11	62	22	170
Halifax/Robert L Stanfield International	30	956	13	21	32	14	260
Hamilton	23	2,142	19	9	44	14	240
Kelowna	22	2,552	13	9	38	24	212
Kitchener/Waterloo	13	4,672	21	13	60	24	366
Langley	9	6,292	23	11	52	12	336
London	3	8,951	2	13	70	24	632
Moncton/Greater Moncton International	14	4,578	2	16	46	20	400
Montréal/Mirabel International	35	417	17	22	24	18	42
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	2	10,789	4	9	112	12	798
Oshawa	17	3,199	18	13	44	24	236
Ottawa/Macdonald-Cartier International	15	4,555	5	11	54	9	338
Pitt Meadows	4	7,785	25	9	80	23	436
Prince George	32	746	1	10	44	1	178
Québec/Jean Lesage International	21	2,577	4	11	50	3	223
Regina International	24	1,609	24	22	44	23	116
Saskatoon/John G Diefenbaker International	16	3,416	16	11	56	9	206
Sault Ste. Marie	19	2,770	3	9	44	4	306
St. John's International	37	201	5	0	38	5	44
St-Jean	26	1,073	13	17	63	11	128
Sudbury	34	430	7	11	38	7	68
Thunder Bay	20	2,605	14	12	60	5	192
Toronto/Buttonville Municipal	5	7,646	6	11	68	12	594
Toronto/City Centre	11	4,775	14	14	54	20	284
Toronto/Lester B Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	39	12	10	8	6	10	6
Vancouver International	0	0	0	0	0	0	0
Victoria International	8	6,418	24	14	60	24	296
Whitehorse International	29	970	5	12	30	17	104
Windsor	27	1,050	18	11	30	20	106
Winnipeg/James Armstrong Richardson International	33	530	15	16	20	15	60
Winnipeg/St. Andrews	10	6,288	10	13	72	10	446
Yellowknife	31	928	8	14	30	13	76

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	13	842	3	15	38	5	150
Campbell River	6	1,476	13	15	46	13	186
Castlegar	20	294	28	12	30	14	62
Charlottetown	10	1,036	1	20	24	22	112
Churchill	38	86	25	13	68	25	80
Cranbrook	21	291	18	7	28	18	42
Deer Lake	36	100	21	10	24	21	60
Fort McMurray	14	838	1	14	32	1	84
Fort Nelson	34	108	6	16	24	6	26
Fort St John	25	218	18	19	22	18	38
Fredericton International	2	2,408	2	13	50	2	240
Grande Prairie	7	1,326	14	10	46	14	118
High Level	28	162	17	14	18	17	40
Îles-de-la-Madeleine	44	32	25	15	14	25	32
Inuvik/Mike Zubko	35	102	3	18	12	3	24
Iqaluit	43	46	1	15	8	1	16
Kamloops	12	904	15	10	46	15	154
Kenora	26	205	8	11	24	5	32
Kingston	9	1,208	21	16	52	27	108
Kuujuaq	42	60	6	11	6	7	22
Kuujuarapik	51	8	24	9	8	24	8
La Grande Rivière	48	14	22	15	10	22	12
La Ronge	27	172	19	10	14	19	26
Lethbridge	11	995	4	13	24	4	106
Lloydminster	19	402	20	14	22	13	44
Medicine Hat	18	466	12	19	32	5	60
Mont-Joli	45	26	7	16	6	9	12
Nanaimo	16	676	28	9	22	14	50
Norman Wells	22	282	2	17	14	2	70
North Bay	1	2,488	5	15	64	4	194
Ottawa/Gatineau	4	1,782	11	10	50	11	182
Peace River	47	22	5	23	6	5	10
Penticton	5	1,484	3	11	46	3	154
Port Hardy	49	10	12	8	6	12	6
Prince Albert	31	140	19	20	24	19	48
Prince Rupert	32	114	2	12	22	2	40
Rankin Inlet	50	8	3	10	2	3	6
Red Deer Regional	3	1,924	16	13	40	16	218
Rouyn-Noranda	29	154	2	10	20	8	32
Saint John	30	140	22	11	14	16	26
Sept-Îles	23	260	4	10	18	17	30
Sioux Lookout	40	75	13	11	14	24	20
Smithers	37	98	23	11	24	19	24
St Anthony	0	0	0	0	0	0	0
St Catharines	8	1,274	20	15	34	11	114
Terrace	33	114	26	10	20	26	24
Thompson	24	234	17	12	20	17	74
Timmins	39	76	11	12	12	3	20
Val-d'Or	17	628	4	20	40	2	142
Victoria Harbour	0	0	0	0	0	0	0
Wabush	46	23	6	8	10	6	10
Whitecourt	15	702	17	11	32	11	72
Williams Lake	41	64	11	18	10	1	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	23	6	19	13	4	19	4
Boundary Bay	22	8	20	16	8	20	8
Calgary International	24	6	3	14	2	3	2
Calgary/Springbank	27	2	1	14	2	1	2
Chicoutimi/St-Honoré	16	16	21	10	8	21	8
Edmonton City Centre	11	40	24	11	20	24	20
Edmonton International	12	34	27	10	6	25	8
Edmonton/Villeneuve	0	0	0	0	0	0	0
Gander International	3	154	3	21	10	3	24
Halifax/Robert L Stanfield International	4	120	19	16	12	2	18
Hamilton	15	16	26	19	8	26	8
Kelowna	9	44	8	19	12	8	18
Kitchener/Waterloo	18	14	17	10	4	26	8
Langley	0	0	0	0	0	0	0
London	26	2	6	12	2	6	2
Moncton/Greater Moncton International	20	8	3	12	2	3	2
Montréal/Mirabel International	14	24	11	11	10	11	10
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	8	46	7	12	18	7	18
Oshawa	0	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	17	14	9	12	4	9	4
Pitt Meadows	0	0	0	0	0	0	0
Prince George	19	12	21	10	6	21	12
Québec/Jean Lesage International	13	26	13	10	16	13	16
Regina International	6	69	20	14	8	20	14
Saskatoon/John G Diefenbaker International	5	80	25	18	16	25	28
Sault Ste. Marie	21	8	12	17	4	12	4
St. John's International	0	0	0	0	0	0	0
St-Jean	0	0	0	0	0	0	0
Sudbury	0	0	0	0	0	0	0
Thunder Bay	10	42	15	23	10	3	12
Toronto/Buttonville Municipal	0	0	0	0	0	0	0
Toronto/City Centre	0	0	0	0	0	0	0
Toronto/Lester B Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	0	0	0	0	0	0	0
Vancouver International	0	0	0	0	0	0	0
Victoria International	2	161	20	14	17	24	34
Whitehorse International	25	4	26	13	4	26	4
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	1	272	15	13	18	5	48
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	7	56	19	13	12	17	18

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	2	38	12	13	8	30	14
Campbell River	0	0	0	0	0	0	0
Castlegar	0	0	0	0	0	0	0
Charlottetown	8	10	1	22	10	1	10
Churchill	0	0	0	0	0	0	0
Cranbrook	9	10	8	15	10	8	10
Deer Lake	0	0	0	0	0	0	0
Fort McMurray	19	2	25	12	2	25	2
Fort Nelson	0	0	0	0	0	0	0
Fort St John	0	0	0	0	0	0	0
Fredericton International	4	20	11	18	6	3	6
Grande Prairie	15	6	21	10	6	21	6
High Level	0	0	0	0	0	0	0
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	12	8	19	21	8	19	8
Iqaluit	0	0	0	0	0	0	0
Kamloops	14	8	2	13	8	2	8
Kenora	1	46	11	10	14	11	24
Kingston	13	8	17	16	8	17	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	18	3	25	14	2	25	2
Lloydminster	20	2	24	11	2	24	2
Medicine Hat	16	6	23	10	6	23	6
Mont-Joli	0	0	0	0	0	0	0
Nanaimo	0	0	0	0	0	0	0
Norman Wells	0	0	0	0	0	0	0
North Bay	10	10	4	15	8	4	8
Ottawa/Gatineau	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	0
Penticton	17	4	24	15	4	24	4
Port Hardy	3	28	7	14	22	7	22
Prince Albert	0	0	0	0	0	0	0
Prince Rupert	0	0	0	0	0	0	0
Rankin Inlet	6	12	6	18	12	6	12
Red Deer Regional	5	18	7	12	10	7	18
Rouyn-Noranda	0	0	0	0	0	0	0
Saint John	11	10	6	9	8	6	10
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	7	12	11	14	10	11	12

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.