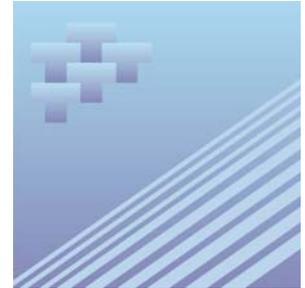




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Aircraft Movement Statistics: NAV CANADA Towers and Flight Service Stations



December 2007



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Statistics Canada
Transportation Division

Aircraft Movement Statistics: NAV CANADA Towers and Flight Service Stations

December 2007

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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

- For the first time in 18 months, aircraft take-offs and landings at Canadian airports with NAV CANADA air traffic control towers and flight service stations decreased in year-over-year monthly comparisons. These 95 airports reported 370,661 movements in December 2007 compared with 384,523 movements at 95 airports in December 2006, a decrease of 3.6% (-13,862 movements).
- Itinerant movements (flights from one airport to another) decreased by 2.9% (-8,113 movements) in December 2007 compared with the same month a year earlier.
- Local movements (flights that remain in the vicinity of the airport) decreased by 5.6% (-5,749 movements) in December 2007 compared with December 2006.

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 December 2007/December 2006 percent	number	Change from December 2007/December 2006 percent	number	Change from December 2007/December 2006 percent
Grand total	300,114	-4.4	70,547	0.1	370,661	-3.6
Itinerant movements						
Air carriers	178,913	-0.4	43,089	0.1	222,002	-0.3
Other commercial movements	20,216	-8.6	3,126	22.9	23,342	-5.4
Private movements	16,399	-20.5	5,589	-5.5	21,988	-17.2
Government civil movements	3,229	-19.6	1,223	-11.5	4,452	-17.6
Government military movements	2,058	-13.1	482	-38.9	2,540	-19.6
Itinerant total	220,815	-3.5	53,509	-0.3	274,324	-2.9
Local movements						
Civil local movements	78,365	-6.8	16,976	2.1	95,341	-5.4
Military local movements	934	-20.3	62	-62.7	996	-25.6
Local total	79,299	-7.0	17,038	1.5	96,337	-5.6

Analysis

For the first time in 18 months, aircraft take-offs and landings at Canadian airports with NAV CANADA air traffic control towers and flight service stations decreased in year-over-year monthly comparisons. These 95 airports reported 370,661 movements in December 2007 compared with 384,523 movements at 95 airports in December 2006, a decrease of 3.6% (-13,862 movements).

Itinerant movements (flights from one airport to another) decreased by 2.9% (-8,113 movements) in December 2007 compared with the same month a year earlier.

Local movements (flights that remain in the vicinity of the airport) decreased by 5.6% (-5,749 movements) in December 2007 compared with December 2006.

Airports with NAV CANADA air traffic control towers

The 42 Canadian airports with NAV CANADA air traffic control towers reported 300,114 aircraft take-offs and landings in December, down 4.4% compared with December 2006 (314,044 movements). Year-over-year increases in aircraft movements were reported by 10 of these airports in December 2007. The variations ranged from an increase of 102.5% at Gander International to a decline of 46.4% at Oshawa.

Itinerant movements (flights from one airport to another) decreased by 3.5% (-7,933 movements) in December compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 30.9% increase (+448 movements) at Gander International to a decline of -49.6% (-978 movements) at Oshawa.

Local movements (flights that remain in the vicinity of the airport) decreased by 7.0% (-5,997 movements) in December compared with December 2006. Year-over-year variations in local movements ranged from a 456.5% increase (+1,342 movements) at Gander International to a decline of 58.5% (-332 movements) at Edmonton International.

Airports with NAV CANADA flight service stations

The 53 Canadian airports with NAV CANADA flight service stations reported 70,547 aircraft take-offs and landings in December, no change compared with December 2006 (70,479 movements). Year-over-year increases in aircraft movements were reported by 24 of these airports in December 2007. The variations ranged from a 106.3% increase (+271 movements) at Prince Rupert to a decline of 43.1% (-377 movements) at Peace River, Alberta.

Itinerant movements (flights from one airport to another) decreased by 0.3% (-180 movements) in December compared with the same month a year earlier. Year-over-year variations in itinerant movements ranged from a 58.6% increase (+824 movements) at Fredericton International to a decline of 39.5% (-319 movements) at Peace River.

Local movements (flights that remain in the vicinity of the airport) recorded in December 2007 increased by 1.5% (+248 movements) compared with the same month a year earlier. Fredericton International recorded the largest gain in local movements, increasing by 924 movements (+327.7%) compared with December 2006.

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	7,825	18	3,379	4	4,446
Boundary Bay	11	7,795	21	3,067	2	4,728
Calgary International	3	19,619	3	19,437	37	182
Calgary/Springbank	5	15,954	11	5,426	1	10,528
Chicoutimi/St-Honoré	40	1,837	41	595	23	1,242
Edmonton City Centre	21	5,474	13	4,374	25	1,100
Edmonton International	8	10,296	6	10,060	35	236
Edmonton/Villeneuve	29	3,963	39	931	11	3,032
Gander International	31	3,536	30	1,900	18	1,636
Halifax/Robert L Stanfield International	15	6,715	8	6,233	31	482
Hamilton	27	4,312	22	2,950	21	1,362
Kelowna	25	4,453	17	3,404	26	1,049
Kitchener/Waterloo	22	5,171	27	2,119	10	3,052
Langley	23	4,736	33	1,647	9	3,089
London	17	6,650	19	3,164	8	3,486
Moncton/Greater Moncton International	12	7,565	12	4,548	12	3,017
Montréal/Mirabel International	39	1,885	35	1,421	32	464
Montréal/Pierre Elliott Trudeau International	4	16,590	4	16,590	0	0
Montréal/St-Hubert	18	6,582	25	2,898	7	3,684
Oshawa	36	2,527	38	995	20	1,532
Ottawa/Macdonald-Cartier International	7	10,411	7	8,801	19	1,610
Pitt Meadows	26	4,441	34	1,641	13	2,800
Prince George	32	2,979	31	1,871	24	1,108
Québec/Jean Lesage International	13	7,555	10	5,491	14	2,064
Regina International	30	3,733	24	2,933	28	800
Saskatoon/John G Diefenbaker International	19	6,235	14	4,238	15	1,997
Sault Ste. Marie	38	1,973	37	1,347	30	626
St. John's International	34	2,869	26	2,703	38	166
St-Jean	42	630	42	434	36	196
Sudbury	37	2,243	32	1,855	33	388
Thunder Bay	24	4,732	15	3,874	27	858
Toronto/Buttonville Municipal	14	7,012	20	3,106	5	3,906
Toronto/City Centre	28	4,055	28	2,099	16	1,956
Toronto/Lester B Pearson International	1	33,639	1	33,639	0	0
Vancouver Harbour	33	2,943	23	2,941	39	2
Vancouver International	2	24,591	2	24,591	0	0
Victoria International	9	9,484	9	5,729	6	3,755
Whitehorse International	41	1,157	40	853	34	304
Windsor	35	2,654	36	1,404	22	1,250
Winnipeg/James Armstrong Richardson International	6	10,973	5	10,329	29	644
Winnipeg/St. Andrews	16	6,696	29	2,082	3	4,614
Yellowknife	20	5,624	16	3,716	17	1,908
Total of NAV CANADA towers (42)	.	300,114	.	220,815	.	79,299

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	31	989	48	433	13	556
Campbell River	4	2,684	15	1,210	2	1,474
Castlegar	50	410	49	350	31	60
Charlottetown	22	1,345	27	913	14	432
Churchill	42	564	38	564	0	0
Cranbrook	37	785	31	743	35	42
Deer Lake	19	1,474	12	1,264	20	210
Fort McMurray	3	3,314	1	2,988	18	326
Fort Nelson	38	782	29	772	42	10
Fort St John	21	1,370	11	1,272	25	98
Fredericton International	2	3,435	3	2,229	3	1,206
Grande Prairie	7	2,370	6	1,968	15	402
High Level	48	468	46	442	40	26
Îles-de-la-Madeleine	51	314	50	310	46	4
Inuvik/Mike Zubko	26	1,150	20	1,116	38	34
Iqaluit	27	1,146	22	1,110	36	36
Kamloops	10	2,075	8	1,701	16	374
Kenora	44	523	40	517	44	6
Kingston	8	2,303	19	1,147	4	1,156
Kuujuuaq	35	825	30	771	32	54
Kuujuuarapik	49	440	47	434	45	6
La Grande Rivière	41	599	36	597	48	2
La Ronge	28	1,108	23	1,072	37	36
Lethbridge	14	1,895	14	1,211	10	684
Lloydminster	34	836	43	492	17	344
Medicine Hat	15	1,685	28	885	9	800
Mont-Joli	52	292	51	292	0	0
Nanaimo	24	1,331	18	1,177	22	154
Norman Wells	16	1,647	24	997	11	650
North Bay	1	3,546	13	1,232	1	2,314
Ottawa/Gatineau	20	1,432	35	608	8	824
Peace River	46	498	44	488	43	10
Penticton	11	2,063	21	1,113	7	950
Port Hardy	47	479	45	463	41	16
Prince Albert	25	1,247	16	1,197	34	50
Prince Rupert	43	526	52	290	19	236
Rankin Inlet	32	976	25	974	47	2
Red Deer Regional	6	2,482	10	1,436	5	1,046
Rouyn-Noranda	36	793	32	723	29	70
Saint John	23	1,341	17	1,187	21	154
Sept-Îles	17	1,610	9	1,538	28	72
Sioux Lookout	9	2,164	4	2,114	33	50
Smithers	40	616	37	588	39	28
St Anthony	53	290	53	290	0	0
St Catharines	29	1,106	42	496	12	610
Terrace	30	1,038	26	951	26	87
Thompson	5	2,638	2	2,528	24	110
Timmins	13	1,943	7	1,860	27	83
Val-D'or	33	842	33	722	23	120
Victoria Harbour	12	2,036	5	2,036	0	0
Wabush	45	508	41	508	0	0
Whitecourt	18	1,591	34	627	6	964
Williams Lake	39	623	39	563	30	60
Total of all flight service stations (53)	.	70,547	.	53,509	.	17,038

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

	Civil movements			Military movements				
	Total	Itinerant		Local	Total	Itinerant		Local
		Commercial	Private and government					
	number							
Abbotsford	7,807	2,749	612	4,446	18	18	0	
Boundary Bay	7,795	2,490	577	4,728	0	0	0	
Calgary International	19,541	18,403	956	182	78	78	0	
Calgary/Springbank	15,947	3,907	1,512	10,528	7	7	0	
Chicoutimi/St-Honoré	1,835	546	47	1,242	2	2	0	
Edmonton City Centre	5,374	3,073	1,225	1,076	100	76	24	
Edmonton International	10,186	9,726	260	200	110	74	36	
Edmonton/Villeneuve	3,963	788	143	3,032	0	0	0	
Gander International	3,246	1,450	280	1,516	290	170	120	
Halifax/Robert L. Stanfield International	6,573	5,865	294	414	142	74	68	
Hamilton	4,294	2,521	423	1,350	18	6	12	
Kelowna	4,425	3,032	350	1,043	28	22	6	
Kitchener/Waterloo	5,165	1,750	363	3,052	6	6	0	
Langley	4,734	1,071	574	3,089	2	2	0	
London	6,650	2,672	492	3,486	0	0	0	
Moncton/Greater Moncton International	7,551	4,192	344	3,015	14	12	2	
Montréal/Mirabel International	1,852	1,067	333	452	33	21	12	
Montréal/Pierre Elliott Trudeau International	16,571	15,294	1,277	0	19	19	0	
Montréal/St-Hubert	6,543	2,105	754	3,684	39	39	0	
Oshawa	2,524	696	296	1,532	3	3	0	
Ottawa/Macdonald-Cartier International	10,292	8,128	562	1,602	119	111	8	
Pitt Meadows	4,441	868	773	2,800	0	0	0	
Prince George	2,979	1,729	142	1,108	0	0	0	
Québec/Jean Lesage International	7,453	4,636	757	2,060	102	98	4	
Regina International	3,479	2,347	356	776	254	230	24	
Saskatoon/John G. Diefenbaker International	5,986	3,608	445	1,933	249	185	64	
Sault Ste. Marie	1,969	1,281	62	626	4	4	0	
St. John's International	2,713	2,343	204	166	156	156	0	
St-Jean	614	271	147	196	16	16	0	
Sudbury	2,241	1,682	171	388	2	2	0	
Thunder Bay	4,674	3,645	185	844	58	44	14	
Toronto/Buttonville Municipal	7,008	2,225	877	3,906	4	4	0	
Toronto/City Centre	4,047	1,839	252	1,956	8	8	0	
Toronto/Lester B. Pearson International	33,625	32,563	1,062	0	14	14	0	
Vancouver Harbour	2,943	2,896	45	2	0	0	0	
Vancouver International	24,581	23,772	809	0	10	10	0	
Victoria International	9,231	4,955	717	3,559	253	57	196	
Whitehorse International	1,153	744	105	304	4	4	0	
Windsor	2,654	1,200	204	1,250	0	0	0	
Winnipeg/James Armstrong Richardson International	10,292	9,459	439	394	681	431	250	
Winnipeg/St. Andrews	6,682	1,978	90	4,614	14	14	0	
Yellowknife	5,489	3,563	112	1,814	135	41	94	
Total of NAV CANADA towers (42)	297,122	199,129	19,628	78,365	2,992	2,058	934	

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

	Civil movements			Military movements				
	Total	Itinerant		Local	Total	Itinerant		Local
		Commercial	Private and government					
	number							
Brandon Municipal	899	296	67	536	90	70	20	
Campbell River	2,670	921	275	1,474	14	14	0	
Castlegar	408	336	12	60	2	2	0	
Charlottetown	1,331	793	110	428	14	10	4	
Churchill	564	556	8	0	0	0	0	
Cranbrook	773	633	100	40	12	10	2	
Deer Lake	1,456	1,226	26	204	18	12	6	
Fort McMurray	3,312	2,647	339	326	2	2	0	
Fort Nelson	780	721	49	10	2	2	0	
Fort St John	1,370	1,191	81	98	0	0	0	
Fredericton International	3,394	1,453	735	1,206	41	41	0	
Grande Prairie	2,370	1,719	249	402	0	0	0	
High Level	468	385	57	26	0	0	0	
Îles-de-la-Madeleine	312	274	34	4	2	2	0	
Inuvik/Mike Zubko	1,139	1,065	40	34	11	11	0	
Iqaluit	1,138	986	116	36	8	8	0	
Kamloops	2,063	1,431	258	374	12	12	0	
Kenora	503	460	37	6	20	20	0	
Kingston	2,278	957	165	1,156	25	25	0	
Kuujuaq	825	751	20	54	0	0	0	
Kuujuarapik	440	432	2	6	0	0	0	
La Grande Rivière	599	569	28	2	0	0	0	
La Ronge	1,104	989	79	36	4	4	0	
Lethbridge	1,887	958	245	684	8	8	0	
Lloydminster	828	380	104	344	8	8	0	
Medicine Hat	1,669	761	118	790	16	6	10	
Mont-Joli	289	272	17	0	3	3	0	
Nanaimo	1,327	781	392	154	4	4	0	
Norman Wells	1,647	895	102	650	0	0	0	
North Bay	3,528	1,023	191	2,314	18	18	0	
Ottawa/Gatineau	1,428	275	329	824	4	4	0	
Peace River	498	467	21	10	0	0	0	
Penticton	2,008	871	187	950	55	55	0	
Port Hardy	449	390	55	4	30	18	12	
Prince Albert	1,241	1,023	168	50	6	6	0	
Prince Rupert	526	254	36	236	0	0	0	
Rankin Inlet	976	964	10	2	0	0	0	
Red Deer Regional	2,478	921	511	1,046	4	4	0	
Rouyn-Noranda	789	595	124	70	4	4	0	
Saint John	1,320	936	238	146	21	13	8	
Sept-Îles	1,606	1,439	95	72	4	4	0	
Sioux Lookout	2,160	2,089	21	50	4	4	0	
Smithers	616	531	57	28	0	0	0	
St Anthony	288	280	8	0	2	2	0	
St Catharines	1,032	266	156	610	74	74	0	
Terrace	1,038	927	24	87	0	0	0	
Thompson	2,638	2,391	137	110	0	0	0	
Timmins	1,943	1,780	80	83	0	0	0	
Val-D'or	842	613	109	120	0	0	0	
Victoria Harbour	2,036	1,804	232	0	0	0	0	
Wabush	508	486	22	0	0	0	0	
Whitecourt	1,589	558	67	964	2	2	0	
Williams Lake	623	494	69	60	0	0	0	
Total of all flight service stations (53)	70,003	46,215	6,812	16,976	544	482	62	

Table 3-1
Itinerant movements by type of operator — NAV CANADA towers

	Total	Air carrier movements		Other commercial movements	Private movements	Government movements	
		Levels I to III and foreign	Levels IV to VI			Civil	Military
	number						
Abbotsford	3,379	504	1,325	920	465	147	18
Boundary Bay	3,067	7	680	1,803	546	31	0
Calgary International	19,437	16,560	997	846	818	138	78
Calgary/Springbank	5,426	8	775	3,124	1,498	14	7
Chicoutimi/St-Honoré	595	8	242	296	47	0	2
Edmonton City Centre	4,374	1,488	597	988	958	267	76
Edmonton International	10,060	9,230	344	152	242	18	74
Edmonton/Villeneuve	931	5	163	620	135	8	0
Gander International	1,900	468	954	28	246	34	170
Halifax/Robert L Stanfield International	6,233	5,289	516	60	244	50	74
Hamilton	2,950	1,832	639	50	348	75	6
Kelowna	3,404	2,434	245	353	278	72	22
Kitchener/Waterloo	2,119	389	1,006	355	361	2	6
Langley	1,647	94	109	868	565	9	2
London	3,164	1,126	767	779	459	33	0
Moncton/Greater Moncton International	4,548	1,502	2,431	259	179	165	12
Montréal/Mirabel International	1,421	785	243	39	313	20	21
Montréal/Pierre Elliott Trudeau International	16,590	14,518	498	278	1,135	142	19
Montréal/St-Hubert	2,898	1,182	320	603	684	70	39
Oshawa	995	83	59	554	296	0	3
Ottawa/Macdonald-Cartier International	8,801	6,841	295	992	233	329	111
Pitt Meadows	1,641	22	360	486	758	15	0
Prince George	1,871	1,278	352	99	111	31	0
Québec/Jean Lesage International	5,491	3,246	521	869	406	351	98
Regina International	2,933	1,911	376	60	227	129	230
Saskatoon/John G Diefenbaker International	4,238	2,724	692	192	187	258	185
Sault Ste. Marie	1,347	797	153	331	57	5	4
St. John's International	2,703	1,271	1,005	67	84	120	156
St-Jean	434	105	47	119	133	14	16
Sudbury	1,855	1,231	421	30	128	43	2
Thunder Bay	3,874	2,896	577	172	111	74	44
Toronto/Buttontville Municipal	3,106	269	596	1,360	871	6	4
Toronto/City Centre	2,099	792	465	582	220	32	8
Toronto/Lester B Pearson International	33,639	31,903	459	201	1,046	16	14
Vancouver Harbour	2,941	2,631	66	199	45	0	0
Vancouver International	24,591	22,268	1,159	345	645	164	10
Victoria International	5,729	2,873	1,575	507	682	35	57
Whitehorse International	853	626	104	14	81	24	4
Windsor	1,404	537	642	21	196	8	0
Winnipeg/James Armstrong Richardson International	10,329	8,702	665	92	226	213	431
Winnipeg/St. Andrews	2,082	393	1,092	493	88	2	14
Yellowknife	3,716	2,918	635	10	47	65	41
Total of NAV CANADA towers (42)	220,815	153,746	25,167	20,216	16,399	3,229	2,058

Table 3-2
Itinerant movements by type of operator — NAV CANADA flight service stations

	Total	Air carrier movements		Other commercial movements	Private movements	Government movements	
		Levels I to III and foreign	Levels IV to VI			Civil	Military
	number						
Brandon Municipal	433	103	180	13	63	4	70
Campbell River	1,210	576	273	72	259	16	14
Castlegar	350	258	48	30	10	2	2
Charlottetown	913	535	32	226	65	45	10
Churchill	564	532	22	2	2	6	0
Cranbrook	743	578	45	10	96	4	10
Deer Lake	1,264	718	490	18	8	18	12
Fort McMurray	2,988	2,057	392	198	319	20	2
Fort Nelson	772	346	195	180	48	1	2
Fort St John	1,272	778	315	98	77	4	0
Fredericton International	2,229	765	659	29	679	56	41
Grande Prairie	1,968	1,136	549	34	243	6	0
High Level	442	164	149	72	43	14	0
Îles-de-la-Madeleine	310	256	6	12	0	34	2
Inuvik/Mike Zubko	1,116	347	713	5	14	26	11
Iqaluit	1,110	916	19	51	54	62	8
Kamloops	1,701	1,087	233	111	193	65	12
Kenora	517	286	138	36	23	14	20
Kingston	1,147	473	261	223	159	6	25
Kuujuaq	771	729	20	2	10	10	0
Kuujuarapik	434	418	12	2	0	2	0
La Grande Rivière	597	474	91	4	14	14	0
La Ronge	1,072	961	9	19	16	63	4
Lethbridge	1,211	507	38	413	229	16	8
Lloydminster	492	121	207	52	98	6	8
Medicine Hat	885	677	40	44	112	6	6
Mont-Joli	292	271	0	1	2	15	3
Nanaimo	1,177	381	322	78	366	26	4
Norman Wells	997	609	264	22	96	6	0
North Bay	1,232	446	346	231	171	20	18
Ottawa/Gatineau	608	97	64	114	260	69	4
Peace River	488	401	62	4	19	2	0
Penticton	1,113	519	321	31	155	32	55
Port Hardy	463	336	50	4	18	37	18
Prince Albert	1,197	953	26	44	87	81	6
Prince Rupert	290	196	56	2	8	28	0
Rankin Inlet	974	847	115	2	4	6	0
Red Deer Regional	1,436	253	539	129	499	12	4
Rouyn-Noranda	723	447	114	34	94	30	4
Saint John	1,187	691	187	58	232	6	13
Sept-Îles	1,538	1,006	397	36	45	50	4
Sioux Lookout	2,114	1,867	139	83	19	2	4
Smithers	588	471	52	8	57	0	0
St Anthony	290	52	176	52	0	8	2
St Catharines	496	8	245	13	146	10	74
Terrace	951	623	285	19	20	4	0
Thompson	2,528	2,200	175	16	6	131	0
Timmins	1,860	1,543	233	4	50	30	0
Val-D'or	722	579	18	16	95	14	0
Victoria Harbour	2,036	1,785	17	2	170	62	0
Wabush	508	286	195	5	8	14	0
Whitecourt	627	49	378	131	63	4	2
Williams Lake	563	354	109	31	65	4	0
Total of all flight service stations (53)	53,509	33,068	10,021	3,126	5,589	1,223	482

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 flights number	
	Total of IFR and VFR flights ¹	IFR	IFR flights, as percentage of total flights	VFR		VFR flights, as percentage of total flights
	number		percent	number		percent
Abbotsford	3,379	1,134	33.5	2,245	66.4	796
Boundary Bay	3,067	282	9.1	2,785	90.8	223
Calgary International	19,437	18,218	93.7	1,219	6.2	479
Calgary/Springbank	5,426	275	5.0	5,151	94.9	3,167
Chicoutimi/St-Honoré	595	76	12.7	519	87.2	29
Edmonton City Centre	4,374	2,527	57.7	1,847	42.2	2,372
Edmonton International	10,060	9,599	95.4	461	4.5	930
Edmonton/Villeneuve	931	3	0.3	928	99.6	73
Gander International	1,900	1,093	57.5	807	42.4	66
Halifax/Robert L Stanfield International	6,233	5,799	93.0	434	6.9	264
Hamilton	2,950	2,337	79.2	613	20.7	380
Kelowna	3,404	2,628	77.2	776	22.7	386
Kitchener/Waterloo	2,119	717	33.8	1,402	66.1	255
Langley	1,647	11	0.6	1,636	99.3	1,208
London	3,164	1,297	40.9	1,867	59.0	173
Moncton/Greater Moncton International	4,548	2,158	47.4	2,390	52.5	28
Montréal/Mirabel International	1,421	980	68.9	441	31.0	475
Montréal/Pierre Elliott Trudeau International	16,590	16,268	98.0	322	1.9	1,121
Montréal/St-Hubert	2,898	1,106	38.1	1,792	61.8	598
Oshawa	995	56	5.6	939	94.3	308
Ottawa/Macdonald-Cartier International	8,801	7,434	84.4	1,367	15.5	351
Pitt Meadows	1,641	5	0.3	1,636	99.6	1,373
Prince George	1,871	1,395	74.5	476	25.4	245
Québec/Jean Lesage International	5,491	3,875	70.5	1,616	29.4	275
Regina International	2,933	2,294	78.2	639	21.7	59
Saskatoon/John G Diefenbaker International	4,238	3,096	73.0	1,142	26.9	103
Sault Ste. Marie	1,347	978	72.6	369	27.3	49
St. John's International	2,703	2,542	94.0	161	5.9	47
St-Jean	434	199	45.8	235	54.1	102
Sudbury	1,855	1,556	83.8	299	16.1	77
Thunder Bay	3,874	3,275	84.5	599	15.4	116
Toronto/Buttonville Municipal	3,106	617	19.8	2,489	80.1	189
Toronto/City Centre	2,099	983	46.8	1,116	53.1	1,111
Toronto/Lester B Pearson International	33,639	33,555	99.7	84	0.2	28
Vancouver Harbour	2,941	36	1.2	2,905	98.7	1,122
Vancouver International	24,591	20,876	84.8	3,715	15.1	5,578
Victoria International	5,729	3,220	56.2	2,509	43.7	4,349
Whitehorse International	853	480	56.2	373	43.7	68
Windsor	1,404	750	53.4	654	46.5	41
Winnipeg/James Armstrong Richardson International	10,329	9,445	91.4	884	8.5	342
Winnipeg/St. Andrews	2,082	78	3.7	2,004	96.2	86
Yellowknife	3,716	2,110	56.7	1,606	43.2	202
Total of NAV CANADA towers (42)	220,815	165,363	74.9	55,452	25.1	29,244

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 flights number	
	Total of IFR and VFR flights ¹	IFR	IFR flights, as percentage of total flights	VFR		VFR flights, as percentage of total flights
	number		percent	number		percent
Brandon Municipal	433	126	29.0	307	70.9	11
Campbell River	1,210	484	40.0	726	60.0	162
Castlegar	350	265	75.7	85	24.2	28
Charlottetown	913	592	64.8	321	35.1	7
Churchill	564	521	92.3	43	7.6	10
Cranbrook	743	631	84.9	112	15.0	88
Deer Lake	1,264	1,228	97.1	36	2.8	9
Fort McMurray	2,988	1,902	63.6	1,086	36.3	9
Fort Nelson	772	376	48.7	396	51.2	52
Fort St John	1,272	793	62.3	479	37.6	36
Fredericton International	2,229	851	38.1	1,378	61.8	18
Grande Prairie	1,968	1,384	70.3	584	29.6	84
High Level	442	284	64.2	158	35.7	80
Îles-de-la-Madeleine	310	302	97.4	8	2.5	3
Inuvik/Mike Zubko	1,116	319	28.5	797	71.4	5
Iqaluit	1,110	908	81.8	202	18.1	0
Kamloops	1,701	1,261	74.1	440	25.8	115
Kenora	517	359	69.4	158	30.5	53
Kingston	1,147	586	51.0	561	48.9	51
Kuujuuaq	771	354	45.9	417	54.0	0
Kuujuuarapik	434	246	56.6	188	43.3	1
La Grande Rivière	597	492	82.4	105	17.5	138
La Ronge	1,072	654	61.0	418	38.9	153
Lethbridge	1,211	579	47.8	632	52.1	22
Lloydminster	492	207	42.0	285	57.9	21
Medicine Hat	885	351	39.6	534	60.3	221
Mont-Joli	292	267	91.4	25	8.5	2
Nanaimo	1,177	471	40.0	706	59.9	509
Norman Wells	997	155	15.5	842	84.4	286
North Bay	1,232	625	50.7	607	49.2	194
Ottawa/Gatineau	608	124	20.3	484	79.6	20
Peace River	488	352	72.1	136	27.8	23
Penticton	1,113	504	45.2	609	54.7	66
Port Hardy	463	191	41.2	272	58.7	191
Prince Albert	1,197	1,062	88.7	135	11.2	26
Prince Rupert	290	198	68.2	92	31.7	4
Rankin Inlet	974	692	71.0	282	28.9	11
Red Deer Regional	1,436	364	25.3	1,072	74.6	235
Rouyn-Noranda	723	632	87.4	91	12.5	15
Saint John	1,187	832	70.0	355	29.9	23
Sept-Îles	1,538	1,166	75.8	372	24.1	202
Sioux Lookout	2,114	1,602	75.7	512	24.2	103
Smithers	588	466	79.2	122	20.7	94
St Anthony	290	212	73.1	78	26.8	3
St Catharines	496	77	15.5	419	84.4	104
Terrace	951	649	68.2	302	31.7	82
Thompson	2,528	1,520	60.1	1,008	39.8	6
Timmins	1,860	1,675	90.0	185	9.9	57
Val-D'Or	722	588	81.4	134	18.5	71
Victoria Harbour	2,036	58	2.8	1,978	97.1	286
Wabush	508	482	94.8	26	5.1	79
Whitecourt	627	97	15.4	530	84.5	35
Williams Lake	563	413	73.3	150	26.6	156
Total of all flight service stations (53)	53,509	31,529	58.9	21,980	41.1	4,260

1. Total excludes runway 88 flights.

Table 5-1
Itinerant movements by type of power plant — NAV CANADA towers

	Total	Jet engines	Turbo-propellers	Piston engines	Helicopters	Gliders
	number					
Abbotsford	3,379	441	188	2,113	637	0
Boundary Bay	3,067	0	8	2,844	215	0
Calgary International	19,437	13,100	4,967	1,002	368	0
Calgary/Springbank	5,426	43	127	4,559	697	0
Chicoutimi/St-Honoré	595	0	16	391	184	4
Edmonton City Centre	4,374	345	2,014	1,490	525	0
Edmonton International	10,060	6,312	3,376	336	36	0
Edmonton/Villeneuve	931	4	10	733	184	0
Gander International	1,900	573	468	720	138	1
Halifax/Robert L Stanfield International	6,233	3,900	1,761	317	255	0
Hamilton	2,950	1,554	728	614	54	0
Kelowna	3,404	1,391	1,266	391	356	0
Kitchener/Waterloo	2,119	189	429	1,287	214	0
Langley	1,647	0	86	1,173	387	1
London	3,164	336	1,093	1,614	121	0
Moncton/Greater Moncton International	4,548	936	756	2,836	20	0
Montréal/Mirabel International	1,421	715	303	211	192	0
Montréal/Pierre Elliott Trudeau International	16,590	11,665	4,435	353	137	0
Montréal/St-Hubert	2,898	150	642	1,828	277	1
Oshawa	995	2	49	881	63	0
Ottawa/Macdonald-Cartier International	8,801	5,565	1,893	1,118	225	0
Pitt Meadows	1,641	1	4	1,468	168	0
Prince George	1,871	493	929	109	339	1
Québec/Jean Lesage International	5,491	1,139	2,559	1,018	774	1
Regina International	2,933	1,484	601	830	18	0
Saskatoon/John G Diefenbaker International	4,238	1,515	1,491	1,224	8	0
Sault Ste. Marie	1,347	30	916	388	13	0
St. John's International	2,703	1,133	1,296	24	249	1
St-Jean	434	1	82	334	14	3
Sudbury	1,855	30	1,465	244	116	0
Thunder Bay	3,874	770	2,607	263	234	0
Toronto/Buttonville Municipal	3,106	91	363	2,266	386	0
Toronto/City Centre	2,099	3	961	915	220	0
Toronto/Lester B Pearson International	33,639	28,615	4,961	47	16	0
Vancouver Harbour	2,941	0	1,329	933	679	0
Vancouver International	24,591	12,410	8,994	2,452	734	1
Victoria International	5,729	1,024	2,067	2,283	354	1
Whitehorse International	853	279	359	170	45	0
Windsor	1,404	103	618	657	26	0
Winnipeg/James Armstrong Richardson International	10,329	5,162	4,223	866	78	0
Winnipeg/St. Andrews	2,082	0	285	1,741	55	1
Yellowknife	3,716	745	2,254	310	407	0
Total of NAV CANADA towers (42)	220,815	102,249	62,979	45,353	10,218	16

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

	Total	Jet engines	Turbo-propellers	Piston engines	Helicopters	Gliders
	number					
Brandon Municipal	433	25	151	241	16	0
Campbell River	1,210	18	602	260	329	1
Castlegar	350	8	257	22	63	0
Charlottetown	913	185	325	380	23	0
Churchill	564	8	530	8	18	0
Cranbrook	743	20	568	131	24	0
Deer Lake	1,264	248	974	16	26	0
Fort McMurray	2,988	682	1,359	516	431	0
Fort Nelson	772	32	362	128	250	0
Fort St John	1,272	235	608	113	316	0
Fredericton International	2,229	252	526	1,370	81	0
Grande Prairie	1,968	218	1,072	369	309	0
High Level	442	10	323	64	45	0
Îles-de-la-Madeleine	310	10	266	32	2	0
Inuvik/Mike Zubko	1,116	115	761	99	141	0
Iqaluit	1,110	335	751	17	7	0
Kamloops	1,701	40	1,112	352	197	0
Kenora	517	6	326	108	77	0
Kingston	1,147	10	566	503	68	0
Kuujuuaq	771	132	613	10	16	0
Kuujuuarapik	434	2	426	0	6	0
La Grande Rivière	597	14	572	4	7	0
La Ronge	1,072	6	856	184	26	0
Lethbridge	1,211	47	572	570	22	0
Lloydminster	492	5	190	266	31	0
Medicine Hat	885	13	430	414	28	0
Mont-Joli	292	8	241	38	5	0
Nanaimo	1,177	9	383	751	34	0
Norman Wells	997	130	305	347	214	1
North Bay	1,232	28	606	287	311	0
Ottawa/Gatineau	608	15	124	391	78	0
Peace River	488	8	346	104	30	0
Penticton	1,113	14	544	245	310	0
Port Hardy	463	4	311	55	93	0
Prince Albert	1,197	2	1,024	152	19	0
Prince Rupert	290	20	184	4	82	0
Rankin Inlet	974	136	721	4	113	0
Red Deer Regional	1,436	54	334	973	75	0
Rouyn-Noranda	723	92	575	54	2	0
Saint John	1,187	297	471	401	18	0
Sept-Îles	1,538	18	1,017	291	212	0
Sioux Lookout	2,114	2	1,862	238	12	0
Smithers	588	14	510	10	54	0
St Anthony	290	1	273	10	6	0
St Catharines	496	14	22	368	92	0
Terrace	951	28	633	1	289	0
Thompson	2,528	122	2,149	190	67	0
Timmins	1,860	10	1,694	120	36	0
Val-D'or	722	79	520	105	18	0
Victoria Harbour	2,036	0	1,245	139	652	0
Wabush	508	4	456	28	20	0
Whitecourt	627	10	99	102	416	0
Williams Lake	563	30	348	136	49	0
Total of all flight service stations (53)	53,509	3,825	32,095	11,721	5,866	2

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

	Gross take-off weight in kilograms									
	2 000	2 001	4 001	5 671	9 001	18 001	35 001	70 001	90 001	136 001
	and under	to 4 000	to 5 670	to 9 000	to 18 000	to 35 000	to 70 000	to 90 000	to 136 000	and over
	number									
Abbotsford	2,354	365	153	45	22	9	419	12	0	0
Boundary Bay	2,712	308	23	0	24	0	0	0	0	0
Calgary International	940	514	1,494	2,405	722	3,687	7,736	786	596	557
Calgary/Springbank	5,022	246	118	24	0	16	0	0	0	0
Chicoutimi/St-Honoré	464	82	49	0	0	0	0	0	0	0
Edmonton City Centre	1,601	491	1,455	646	162	19	0	0	0	0
Edmonton International	219	228	584	1,058	429	2,379	4,331	382	242	208
Edmonton/Villeneuve	854	57	20	0	0	0	0	0	0	0
Gander International	737	12	136	262	276	265	17	55	49	91
Halifax/Robert L. Stanfield International	121	235	357	801	795	1,595	1,589	323	248	169
Hamilton	557	305	228	282	226	164	403	44	701	40
Kelowna	648	75	180	686	149	633	1,019	2	12	0
Kitchener/Waterloo	1,390	164	232	75	166	20	56	14	2	0
Langley	1,490	145	8	0	3	1	0	0	0	0
London	1,704	196	171	89	672	164	164	4	0	0
Moncton/Greater Moncton International	2,735	165	315	295	135	463	224	15	201	0
Montréal/Mirabel International	265	128	90	147	51	135	117	12	322	154
Montréal/Pierre Elliott Trudeau International	280	203	524	882	2,687	4,977	3,927	1,330	37	1,743
Montréal/St-Hubert	1,729	326	645	95	73	5	8	2	15	0
Oshawa	856	83	48	6	0	2	0	0	0	0
Ottawa/Macdonald-Cartier International	1,166	97	766	240	579	2,766	2,128	676	250	133
Pitt Meadows	1,567	65	6	0	3	0	0	0	0	0
Prince George	292	127	206	591	16	454	185	0	0	0
Québec/Jean Lesage International	1,394	358	643	241	1,302	1,200	232	22	0	99
Regina International	544	311	299	372	49	582	660	6	110	0
Saskatoon/John G. Diefenbaker International	858	404	582	608	216	704	783	0	83	0
Sault Ste. Marie	369	130	435	60	181	170	0	2	0	0
St. John's International	13	31	321	416	747	138	689	227	79	42
St-Jean	287	56	84	4	2	0	1	0	0	0
Sudbury	220	231	1,005	88	108	193	10	0	0	0
Thunder Bay	308	147	2,182	257	199	488	283	10	0	0
Toronto/Buttonville Municipal	2,390	283	270	76	43	36	8	0	0	0
Toronto/City Centre	900	101	407	28	1	662	0	0	0	0
Toronto/Lester B. Pearson International	19	309	325	2,046	3,331	7,123	12,107	4,254	351	3,774
Vancouver Harbour	99	1,929	839	7	67	0	0	0	0	0
Vancouver International	544	3,096	832	2,823	2,587	4,441	6,128	1,005	660	2,475
Victoria International	1,968	778	124	471	1,061	684	572	37	34	0
Whitehorse International	187	84	134	50	0	239	159	0	0	0
Windsor	562	227	60	102	304	131	14	0	0	4
Winnipeg/James Armstrong Richardson International	495	508	2,949	448	808	1,327	2,491	395	857	51
Winnipeg/St. Andrews	1,505	499	74	0	2	0	0	2	0	0
Yellowknife	425	435	891	152	290	809	567	147	0	0
Total of NAV CANADA towers (42)	42,790	14,534	20,264	16,878	18,488	36,681	47,027	9,764	4,849	9,540

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	242	11	111	12	8	5	6	38	0	0
Campbell River	483	33	47	380	256	9	2	0	0	0
Castlegar	77	4	10	86	29	144	0	0	0	0
Charlottetown	266	171	36	103	150	137	48	2	0	0
Churchill	16	14	95	71	118	250	0	0	0	0
Cranbrook	96	59	52	307	134	93	0	2	0	0
Deer Lake	20	10	105	123	760	162	82	2	0	0
Fort McMurray	704	482	329	413	182	571	305	0	2	0
Fort Nelson	304	105	139	129	95	0	0	0	0	0
Fort St John	385	52	262	262	110	201	0	0	0	0
Fredericton International	1,309	114	100	130	178	383	4	11	0	0
Grande Prairie	455	208	489	307	9	381	119	0	0	0
High Level	88	68	154	130	0	2	0	0	0	0
Îles-de-la-Madeleine	0	32	66	6	189	17	0	0	0	0
Inuvik/Mike Zubko	59	86	610	106	93	44	111	7	0	0
Iqaluit	5	12	367	101	25	333	162	27	78	0
Kamloops	346	191	89	282	268	523	2	0	0	0
Kenora	106	20	376	7	8	0	0	0	0	0
Kingston	527	29	85	414	78	6	0	8	0	0
Kuujuuaq	20	6	495	0	92	34	94	0	30	0
Kuujuuarapik	6	0	205	1	158	64	0	0	0	0
La Grande Rivière	7	4	104	12	149	321	0	0	0	0
La Ronge	69	174	387	74	224	144	0	0	0	0
Lethbridge	519	69	175	436	8	0	4	0	0	0
Lloydminster	253	58	103	78	0	0	0	0	0	0
Medicine Hat	397	43	201	238	6	0	0	0	0	0
Mont-Joli	3	38	106	16	95	34	0	0	0	0
Nanaimo	526	291	35	57	24	244	0	0	0	0
Norman Wells	408	118	243	8	42	48	130	0	0	0
North Bay	563	154	250	77	145	28	15	0	0	0
Ottawa/Gatineau	439	26	62	74	5	2	0	0	0	0
Peace River	51	95	276	64	2	0	0	0	0	0
Penticton	533	18	34	295	111	121	0	0	1	0
Port Hardy	42	81	136	92	102	8	2	0	0	0
Prince Albert	103	64	157	281	262	330	0	0	0	0
Prince Rupert	12	72	8	34	56	108	0	0	0	0
Rankin Inlet	115	66	261	117	145	136	134	0	0	0
Red Deer Regional	919	136	231	142	4	0	4	0	0	0
Rouyn-Noranda	52	13	221	16	215	146	60	0	0	0
Saint John	275	143	97	256	182	195	37	2	0	0
Sept-Îles	230	269	359	123	526	31	0	0	0	0
Sioux Lookout	122	167	1,386	435	4	0	0	0	0	0
Smithers	46	22	99	198	111	112	0	0	0	0
St Anthony	2	26	135	5	122	0	0	0	0	0
St Catharines	398	63	17	8	8	0	0	2	0	0
Terrace	264	11	56	199	245	172	4	0	0	0
Thompson	77	436	1,392	26	236	269	92	0	0	0
Timmins	64	227	890	102	466	111	0	0	0	0
Val-D'or	111	12	184	22	285	47	0	0	61	0
Victoria Harbour	16	1,062	833	10	115	0	0	0	0	0
Wabush	18	32	53	37	362	6	0	0	0	0
Whitecourt	490	74	38	18	4	2	1	0	0	0
Williams Lake	128	55	13	325	42	0	0	0	0	0
Total of all flight service stations (53)	12,766	5,826	12,764	7,245	7,243	5,974	1,418	101	172	0

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

	Total	Air carrier movements		Other commercial movements	Private movements	Government movements	
		Levels I to III and foreign	Levels IV to VI			Civil	Military
number							
Abbotsford							
Domestic	3,335	490	1,320	920	443	144	18
Transborder	41	11	5	0	22	3	0
Other international	3	3	0	0	0	0	0
Total	3,379	504	1,325	920	465	147	18
Boundary Bay							
Domestic	3,035	7	679	1,790	528	31	0
Transborder	32	0	1	13	18	0	0
Other international	0	0	0	0	0	0	0
Total	3,067	7	680	1,803	546	31	0
Calgary International							
Domestic	15,604	13,127	904	770	598	136	69
Transborder	3,316	2,923	92	76	219	2	4
Other international	517	510	1	0	1	0	5
Total	19,437	16,560	997	846	818	138	78
Calgary/Springbank							
Domestic	5,384	8	769	3,120	1,466	14	7
Transborder	41	0	6	4	31	0	0
Other international	1	0	0	0	1	0	0
Total	5,426	8	775	3,124	1,498	14	7
Chicoutimi/St-Honoré							
Domestic	595	8	242	296	47	0	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	595	8	242	296	47	0	2
Edmonton City Centre							
Domestic	4,338	1,480	587	987	942	266	76
Transborder	36	8	10	1	16	1	0
Other international	0	0	0	0	0	0	0
Total	4,374	1,488	597	988	958	267	76
Edmonton International							
Domestic	8,636	7,890	329	143	186	18	70
Transborder	1,178	1,101	15	8	50	0	4
Other international	246	239	0	1	6	0	0
Total	10,060	9,230	344	152	242	18	74
Edmonton/Villeneuve							
Domestic	931	5	163	620	135	8	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	931	5	163	620	135	8	0
Gander International							
Domestic	1,436	289	945	5	73	32	92
Transborder	217	81	2	10	86	1	37
Other international	247	98	7	13	87	1	41
Total	1,900	468	954	28	246	34	170
Halifax/Robert L Stanfield International							
Domestic	4,888	4,237	335	47	162	48	59
Transborder	948	831	55	6	47	2	7
Other international	397	221	126	7	35	0	8
Total	6,233	5,289	516	60	244	50	74
Hamilton							
Domestic	2,460	1,475	635	40	233	73	4
Transborder	447	327	4	6	108	2	0
Other international	43	30	0	4	7	0	2
Total	2,950	1,832	639	50	348	75	6

Table 7-1 – continued

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

	Total	Air carrier movements		Other commercial movements	Private movements	Government movements	
		Levels I to III and foreign	Levels IV to VI			Civil	Military
	number						
Kelowna							
Domestic	3,064	2,163	237	352	218	72	22
Transborder	323	255	8	1	59	0	0
Other international	17	16	0	0	1	0	0
Total	3,404	2,434	245	353	278	72	22
Kitchener/Waterloo							
Domestic	1,790	226	963	353	242	1	5
Transborder	315	153	42	2	116	1	1
Other international	14	10	1	0	3	0	0
Total	2,119	389	1,006	355	361	2	6
Langley							
Domestic	1,641	94	108	868	560	9	2
Transborder	4	0	1	0	3	0	0
Other international	2	0	0	0	2	0	0
Total	1,647	94	109	868	565	9	2
London							
Domestic	2,835	889	760	777	376	33	0
Transborder	312	221	6	2	83	0	0
Other international	17	16	1	0	0	0	0
Total	3,164	1,126	767	779	459	33	0
Moncton/Greater Moncton International							
Domestic	4,488	1,449	2,431	259	174	164	11
Transborder	52	47	0	0	4	0	1
Other international	8	6	0	0	1	1	0
Total	4,548	1,502	2,431	259	179	165	12
Montréal/Mirabel International							
Domestic	1,214	584	243	39	307	20	21
Transborder	196	190	0	0	6	0	0
Other international	11	11	0	0	0	0	0
Total	1,421	785	243	39	313	20	21
Montréal/Pierre Elliott Trudeau International							
Domestic	8,975	7,577	437	231	571	142	17
Transborder	5,700	5,096	51	36	516	0	1
Other international	1,915	1,845	10	11	48	0	1
Total	16,590	14,518	498	278	1,135	142	19
Montréal/St-Hubert							
Domestic	2,768	1,164	314	596	586	69	39
Transborder	129	17	6	7	98	1	0
Other international	1	1	0	0	0	0	0
Total	2,898	1,182	320	603	684	70	39
Oshawa							
Domestic	984	83	59	553	286	0	3
Transborder	11	0	0	1	10	0	0
Other international	0	0	0	0	0	0	0
Total	995	83	59	554	296	0	3
Ottawa/Macdonald-Cartier International							
Domestic	6,586	4,730	287	985	166	320	98
Transborder	2,016	1,921	7	5	67	9	7
Other international	199	190	1	2	0	0	6
Total	8,801	6,841	295	992	233	329	111
Pitt Meadows							
Domestic	1,635	22	360	486	752	15	0
Transborder	5	0	0	0	5	0	0
Other international	1	0	0	0	1	0	0
Total	1,641	22	360	486	758	15	0

Table 7-1 – continued

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

	Total	Air carrier movements		Other commercial movements	Private movements	Government movements	
		Levels I to III and foreign	Levels IV to VI			Civil	Military
number							
Prince George							
Domestic	1,857	1,271	352	99	104	31	0
Transborder	11	4	0	0	7	0	0
Other international	3	3	0	0	0	0	0
Total	1,871	1,278	352	99	111	31	0
Québec/Jean Lesage International							
Domestic	4,945	2,784	518	866	339	349	89
Transborder	421	340	3	3	66	2	7
Other international	125	122	0	0	1	0	2
Total	5,491	3,246	521	869	406	351	98
Regina International							
Domestic	2,730	1,752	373	55	193	128	229
Transborder	165	121	3	5	34	1	1
Other international	38	38	0	0	0	0	0
Total	2,933	1,911	376	60	227	129	230
Saskatoon/John G Diefenbaker International							
Domestic	4,074	2,591	689	189	162	258	185
Transborder	133	102	3	3	25	0	0
Other international	31	31	0	0	0	0	0
Total	4,238	2,724	692	192	187	258	185
Sault Ste. Marie							
Domestic	1,329	794	152	330	45	5	3
Transborder	18	3	1	1	12	0	1
Other international	0	0	0	0	0	0	0
Total	1,347	797	153	331	57	5	4
St. John's International							
Domestic	2,350	1,108	1,003	51	28	118	42
Transborder	164	72	2	5	28	0	57
Other international	189	91	0	11	28	2	57
Total	2,703	1,271	1,005	67	84	120	156
St-Jean							
Domestic	434	105	47	119	133	14	16
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	434	105	47	119	133	14	16
Sudbury							
Domestic	1,842	1,229	418	30	120	43	2
Transborder	13	2	3	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	1,855	1,231	421	30	128	43	2
Thunder Bay							
Domestic	3,729	2,771	574	171	95	74	44
Transborder	141	121	3	1	16	0	0
Other international	4	4	0	0	0	0	0
Total	3,874	2,896	577	172	111	74	44
Toronto/Buttonville Municipal							
Domestic	2,915	205	568	1,354	778	6	4
Transborder	189	64	28	6	91	0	0
Other international	2	0	0	0	2	0	0
Total	3,106	269	596	1,360	871	6	4
Toronto/City Centre							
Domestic	2,006	787	447	581	151	32	8
Transborder	93	5	18	1	69	0	0
Other international	0	0	0	0	0	0	0
Total	2,099	792	465	582	220	32	8

Table 7-1 – continued

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

	Total	Air carrier movements		Other commercial movements	Private movements	Government movements	
		Levels I to III and foreign	Levels IV to VI			Civil	Military
	number						
Toronto/Lester B Pearson International							
Domestic	14,580	13,818	339	99	302	12	10
Transborder	14,601	13,709	104	77	703	4	4
Other international	4,458	4,376	16	25	41	0	0
Total	33,639	31,903	459	201	1,046	16	14
Vancouver Harbour							
Domestic	2,901	2,600	63	198	40	0	0
Transborder	40	31	3	1	5	0	0
Other international	0	0	0	0	0	0	0
Total	2,941	2,631	66	199	45	0	0
Vancouver International							
Domestic	17,917	16,042	1,067	330	314	155	9
Transborder	4,999	4,646	22	10	313	7	1
Other international	1,675	1,580	70	5	18	2	0
Total	24,591	22,268	1,159	345	645	164	10
Victoria International							
Domestic	5,172	2,481	1,559	486	556	35	55
Transborder	514	380	7	8	118	0	1
Other international	43	12	9	13	8	0	1
Total	5,729	2,873	1,575	507	682	35	57
Whitehorse International							
Domestic	843	622	103	14	76	24	4
Transborder	10	4	1	0	5	0	0
Other international	0	0	0	0	0	0	0
Total	853	626	104	14	81	24	4
Windsor							
Domestic	1,276	479	623	19	147	8	0
Transborder	121	57	17	2	45	0	0
Other international	7	1	2	0	4	0	0
Total	1,404	537	642	21	196	8	0
Winnipeg/James Armstrong Richardson International							
Domestic	9,144	7,625	656	85	147	210	421
Transborder	1,090	987	9	5	77	3	9
Other international	95	90	0	2	2	0	1
Total	10,329	8,702	665	92	226	213	431
Winnipeg/St. Andrews							
Domestic	2,078	393	1,090	493	86	2	14
Transborder	4	0	2	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	2,082	393	1,092	493	88	2	14
Yellowknife							
Domestic	3,712	2,914	635	10	47	65	41
Transborder	4	4	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	3,716	2,918	635	10	47	65	41
Total of NAV CANADA towers (42)							
Domestic	172,456	110,368	24,383	19,816	12,914	3,184	1,791
Transborder	38,050	33,834	540	306	3,188	39	143
Other international	10,309	9,544	244	94	297	6	124
Total	220,815	153,746	25,167	20,216	16,399	3,229	2,058

Table 7-2
Itinerant movements, domestic, transborder and international — NAV CANADA flight service stations

	Total	Air carrier movements		Other commercial movements	Private movements	Government movements	
		Levels I to III and foreign	Levels IV to VI			Civil	Military
number							
Brandon Municipal							
Domestic	426	99	180	12	61	4	70
Transborder	7	4	0	1	2	0	0
Other international	0	0	0	0	0	0	0
Total	433	103	180	13	63	4	70
Campbell River							
Domestic	1,188	576	273	69	240	16	14
Transborder	22	0	0	3	19	0	0
Other international	0	0	0	0	0	0	0
Total	1,210	576	273	72	259	16	14
Castlegar							
Domestic	344	256	47	29	8	2	2
Transborder	6	2	1	1	2	0	0
Other international	0	0	0	0	0	0	0
Total	350	258	48	30	10	2	2
Charlottetown							
Domestic	909	535	32	226	61	45	10
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	913	535	32	226	65	45	10
Churchill							
Domestic	564	532	22	2	2	6	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	564	532	22	2	2	6	0
Cranbrook							
Domestic	730	574	45	10	87	4	10
Transborder	13	4	0	0	9	0	0
Other international	0	0	0	0	0	0	0
Total	743	578	45	10	96	4	10
Deer Lake							
Domestic	1,259	713	490	18	8	18	12
Transborder	0	0	0	0	0	0	0
Other international	5	5	0	0	0	0	0
Total	1,264	718	490	18	8	18	12
Fort McMurray							
Domestic	2,984	2,055	392	198	317	20	2
Transborder	4	2	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	2,988	2,057	392	198	319	20	2
Fort Nelson							
Domestic	772	346	195	180	48	1	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	772	346	195	180	48	1	2
Fort St John							
Domestic	1,270	777	315	98	76	4	0
Transborder	1	0	0	0	1	0	0
Other international	1	1	0	0	0	0	0
Total	1,272	778	315	98	77	4	0
Fredericton International							
Domestic	2,151	698	655	29	674	56	39
Transborder	78	67	4	0	5	0	2
Other international	0	0	0	0	0	0	0
Total	2,229	765	659	29	679	56	41

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial movements	Private movements	Government movements	
		Levels I to III and foreign	Levels IV to VI			Civil	Military
number							
Grande Prairie							
Domestic	1,968	1,136	549	34	243	6	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,968	1,136	549	34	243	6	0
High Level							
Domestic	442	164	149	72	43	14	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	442	164	149	72	43	14	0
Îles-de-la-Madeleine							
Domestic	310	256	6	12	0	34	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	310	256	6	12	0	34	2
Inuvik/Mike Zubko							
Domestic	1,113	345	713	4	14	26	11
Transborder	2	2	0	0	0	0	0
Other international	1	0	0	1	0	0	0
Total	1,116	347	713	5	14	26	11
Iqaluit							
Domestic	1,033	888	18	39	21	62	5
Transborder	19	8	0	1	10	0	0
Other international	58	20	1	11	23	0	3
Total	1,110	916	19	51	54	62	8
Kamloops							
Domestic	1,653	1,054	233	110	179	65	12
Transborder	48	33	0	1	14	0	0
Other international	0	0	0	0	0	0	0
Total	1,701	1,087	233	111	193	65	12
Kenora							
Domestic	514	285	137	36	22	14	20
Transborder	3	1	1	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	517	286	138	36	23	14	20
Kingston							
Domestic	1,134	472	259	223	149	6	25
Transborder	13	1	2	0	10	0	0
Other international	0	0	0	0	0	0	0
Total	1,147	473	261	223	159	6	25
Kuujuuaq							
Domestic	769	729	20	2	8	10	0
Transborder	0	0	0	0	0	0	0
Other international	2	0	0	0	2	0	0
Total	771	729	20	2	10	10	0
Kuujuuarapik							
Domestic	434	418	12	2	0	2	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	434	418	12	2	0	2	0
La Grande Rivière							
Domestic	596	474	91	4	13	14	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	597	474	91	4	14	14	0
La Ronge							
Domestic	1,072	961	9	19	16	63	4
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,072	961	9	19	16	63	4

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial movements	Private movements	Government movements	
		Levels I to III and foreign	Levels IV to VI			Civil	Military
number							
Lethbridge							
Domestic	1,161	500	36	410	194	16	5
Transborder	50	7	2	3	35	0	3
Other international	0	0	0	0	0	0	0
Total	1,211	507	38	413	229	16	8
Lloydminster							
Domestic	490	121	207	52	96	6	8
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	492	121	207	52	98	6	8
Medicine Hat							
Domestic	882	677	40	43	110	6	6
Transborder	3	0	0	1	2	0	0
Other international	0	0	0	0	0	0	0
Total	885	677	40	44	112	6	6
Mont-Joli							
Domestic	292	271	0	1	2	15	3
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	292	271	0	1	2	15	3
Nanaimo							
Domestic	1,150	380	313	77	350	26	4
Transborder	27	1	9	1	16	0	0
Other international	0	0	0	0	0	0	0
Total	1,177	381	322	78	366	26	4
Norman Wells							
Domestic	997	609	264	22	96	6	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	997	609	264	22	96	6	0
North Bay							
Domestic	1,221	443	346	231	163	20	18
Transborder	11	3	0	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	1,232	446	346	231	171	20	18
Ottawa/Gatineau							
Domestic	606	97	64	114	258	69	4
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	608	97	64	114	260	69	4
Peace River							
Domestic	488	401	62	4	19	2	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	488	401	62	4	19	2	0
Penticton							
Domestic	1,099	516	319	31	146	32	55
Transborder	14	3	2	0	9	0	0
Other international	0	0	0	0	0	0	0
Total	1,113	519	321	31	155	32	55
Port Hardy							
Domestic	463	336	50	4	18	37	18
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	463	336	50	4	18	37	18

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial movements	Private movements	Government movements	
		Levels I to III and foreign	Levels IV to VI			Civil	Military
number							
Prince Albert							
Domestic	1,196	953	26	44	86	81	6
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,197	953	26	44	87	81	6
Prince Rupert							
Domestic	288	196	56	2	6	28	0
Transborder	2	0	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	290	196	56	2	8	28	0
Rankin Inlet							
Domestic	974	847	115	2	4	6	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	974	847	115	2	4	6	0
Red Deer Regional							
Domestic	1,422	253	535	129	489	12	4
Transborder	14	0	4	0	10	0	0
Other international	0	0	0	0	0	0	0
Total	1,436	253	539	129	499	12	4
Rouyn-Noranda							
Domestic	722	447	114	34	93	30	4
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	723	447	114	34	94	30	4
Saint John							
Domestic	1,107	678	187	57	166	6	13
Transborder	78	11	0	1	66	0	0
Other international	2	2	0	0	0	0	0
Total	1,187	691	187	58	232	6	13
Sept-Îles							
Domestic	1,536	1,006	397	35	44	50	4
Transborder	1	0	0	1	0	0	0
Other international	1	0	0	0	1	0	0
Total	1,538	1,006	397	36	45	50	4
Sioux Lookout							
Domestic	2,113	1,867	139	83	18	2	4
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	2,114	1,867	139	83	19	2	4
Smithers							
Domestic	587	470	52	8	57	0	0
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	588	471	52	8	57	0	0
St Anthony							
Domestic	289	52	175	52	0	8	2
Transborder	0	0	0	0	0	0	0
Other international	1	0	1	0	0	0	0
Total	290	52	176	52	0	8	2
St Catharines							
Domestic	466	4	239	13	126	10	74
Transborder	29	4	6	0	19	0	0
Other international	1	0	0	0	1	0	0
Total	496	8	245	13	146	10	74

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial movements	Private movements	Government movements	
		Levels I to III and foreign	Levels IV to VI			Civil	Military
	number						
Terrace							
Domestic	950	622	285	19	20	4	0
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	951	623	285	19	20	4	0
Thompson							
Domestic	2,528	2,200	175	16	6	131	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	2,528	2,200	175	16	6	131	0
Timmins							
Domestic	1,856	1,543	233	4	46	30	0
Transborder	4	0	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	1,860	1,543	233	4	50	30	0
Val-D'or							
Domestic	721	579	17	16	95	14	0
Transborder	1	0	1	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	722	579	18	16	95	14	0
Victoria Harbour							
Domestic	1,874	1,785	17	2	8	62	0
Transborder	162	0	0	0	162	0	0
Other international	0	0	0	0	0	0	0
Total	2,036	1,785	17	2	170	62	0
Wabush							
Domestic	508	286	195	5	8	14	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	508	286	195	5	8	14	0
Whitecourt							
Domestic	627	49	378	131	63	4	2
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	627	49	378	131	63	4	2
Williams Lake							
Domestic	562	354	109	31	64	4	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	563	354	109	31	65	4	0
Total of all flight service stations (53)							
Domestic	52,810	32,885	9,987	3,100	5,141	1,223	474
Transborder	627	155	32	14	421	0	5
Other international	72	28	2	12	27	0	3
Total	53,509	33,068	10,021	3,126	5,589	1,223	482

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	7,825	5	14	117	5	810
Boundary Bay	11	7,795	8	13	119	7	720
Calgary International	3	19,619	19	18	60	13	817
Calgary/Springbank	5	15,954	8	13	124	13	965
Chicoutimi/St-Honoré	40	1,837	4	12	85	4	337
Edmonton City Centre	21	5,474	11	17	47	18	333
Edmonton International	8	10,296	21	15	50	5	449
Edmonton/Villeneuve	29	3,963	18	11	95	18	406
Gander International	31	3,536	6	11	52	7	290
Halifax/Robert L Stanfield International	15	6,715	9	12	46	19	367
Hamilton	27	4,312	4	14	52	18	290
Kelowna	25	4,453	12	15	49	6	331
Kitchener/Waterloo	22	5,171	5	13	83	5	521
Langley	23	4,736	7	15	84	6	368
London	17	6,650	8	10	84	8	660
Moncton/Greater Moncton International	12	7,565	19	15	58	7	521
Montréal/Mirabel International	39	1,885	13	15	44	13	160
Montréal/Pierre Elliott Trudeau International	4	16,590	5	18	66	20	692
Montréal/St-Hubert	18	6,582	10	15	139	10	934
Oshawa	36	2,527	30	12	49	17	255
Ottawa/Macdonald-Cartier International	7	10,411	5	14	80	5	520
Pitt Meadows	26	4,441	7	15	135	7	485
Prince George	32	2,979	12	14	82	12	403
Québec/Jean Lesage International	13	7,555	10	15	76	10	574
Regina International	30	3,733	17	12	43	11	237
Saskatoon/John G Diefenbaker International	19	6,235	9	13	65	11	420
Sault Ste. Marie	38	1,973	4	18	55	4	272
St. John's International	34	2,869	7	20	23	19	154
St-Jean	42	630	10	13	27	10	66
Sudbury	37	2,243	10	15	45	10	212
Thunder Bay	24	4,732	4	9	78	4	453
Toronto/Buttonville Municipal	14	7,012	5	15	126	5	765
Toronto/City Centre	28	4,055	21	15	63	1	391
Toronto/Lester B Pearson International	1	33,639	4	18	97	20	1,328
Vancouver Harbour	33	2,943	11	8	30	7	172
Vancouver International	2	24,591	11	8	79	21	973
Victoria International	9	9,484	8	14	94	7	711
Whitehorse International	41	1,157	9	14	22	9	80
Windsor	35	2,654	12	18	66	12	261
Winnipeg/James Armstrong Richardson International	6	10,973	12	13	66	5	513
Winnipeg/St. Andrews	16	6,696	3	16	101	3	603
Yellowknife	20	5,624	15	10	94	15	325

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	31	989	31	15	40	20	179
Campbell River	4	2,684	10	11	62	6	269
Castlegar	50	410	6	15	30	6	52
Charlottetown	22	1,345	16	12	24	11	115
Churchill	42	564	11	11	7	6	34
Cranbrook	37	785	13	13	14	7	45
Deer Lake	19	1,474	13	10	47	13	142
Fort McMurray	3	3,314	19	14	28	5	191
Fort Nelson	38	782	7	14	11	27	51
Fort St John	21	1,370	7	14	30	7	91
Fredericton International	2	3,435	19	12	37	10	267
Grande Prairie	7	2,370	19	15	37	19	175
High Level	48	468	3	16	15	3	33
Îles-de-la-Madeleine	51	314	20	17	6	7	17
Inuvik/Mike Zubko	26	1,150	4	16	13	5	73
Iqaluit	27	1,146	31	10	10	17	59
Kamloops	10	2,075	14	11	42	14	162
Kenora	44	523	5	16	10	5	37
Kingston	8	2,303	10	15	46	10	184
Kuujuaq	35	825	8	10	13	8	48
Kuujuarapik	49	440	17	15	8	4	34
La Grande Rivière	41	599	7	10	7	18	36
La Ronge	28	1,108	7	15	15	7	75
Lethbridge	14	1,895	2	9	33	14	131
Lloydminster	34	836	10	14	42	9	74
Medicine Hat	15	1,685	22	13	41	13	141
Mont-Joli	52	292	4	12	5	4	24
Nanaimo	24	1,331	20	15	32	20	133
Norman Wells	16	1,647	10	11	20	12	99
North Bay	1	3,546	6	10	82	20	467
Ottawa/Gatineau	20	1,432	12	14	49	12	198
Peace River	46	498	30	13	18	17	37
Penticton	11	2,063	11	15	55	11	219
Port Hardy	47	479	18	12	11	5	30
Prince Albert	25	1,247	11	14	26	11	85
Prince Rupert	43	526	13	14	59	13	136
Rankin Inlet	32	976	2	13	13	14	64
Red Deer Regional	6	2,482	21	10	36	14	194
Rouyn-Noranda	36	793	6	15	21	10	72
Saint John	23	1,341	21	9	23	5	97
Sept-Îles	17	1,610	25	14	24	4	104
Sioux Lookout	9	2,164	3	13	27	3	138
Smithers	40	616	5	15	11	12	41
St Anthony	53	290	19	15	5	14	19
St Catharines	29	1,106	30	15	72	30	176
Terrace	30	1,038	30	14	23	30	58
Thompson	5	2,638	6	12	31	6	151
Timmins	13	1,943	20	19	27	20	109
Val-D'or	33	842	20	10	19	20	98
Victoria Harbour	12	2,036	12	8	19	7	125
Wabush	45	508	12	11	7	6	32
Whitecourt	18	1,591	5	15	67	5	252
Williams Lake	39	623	16	13	14	23	40

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	18	3,379	6	15	44	6	296
Boundary Bay	21	3,067	8	13	53	8	310
Calgary International	3	19,437	19	18	60	6	793
Calgary/Springbank	11	5,426	8	15	52	14	373
Chicoutimi/St-Honoré	41	595	10	14	18	10	75
Edmonton City Centre	13	4,374	18	17	28	18	255
Edmonton International	6	10,060	20	8	43	20	418
Edmonton/Villeneuve	39	931	19	11	17	13	65
Gander International	30	1,900	20	11	20	14	135
Halifax/Robert L Stanfield International	8	6,233	13	16	24	19	281
Hamilton	22	2,950	4	11	18	4	175
Kelowna	17	3,404	7	15	21	6	169
Kitchener/Waterloo	27	2,119	5	13	31	5	197
Langley	33	1,647	8	14	30	6	146
London	19	3,164	8	14	30	12	246
Moncton/Greater Moncton International	12	4,548	13	15	28	18	292
Montréal/Mirabel International	35	1,421	10	16	16	13	106
Montréal/Pierre Elliott Trudeau International	4	16,590	5	18	66	20	692
Montréal/St-Hubert	25	2,898	6	16	41	6	336
Oshawa	38	995	30	13	24	30	110
Ottawa/Macdonald-Cartier International	7	8,801	5	14	36	21	405
Pitt Meadows	34	1,641	8	13	45	8	208
Prince George	31	1,871	11	9	14	12	121
Québec/Jean Lesage International	10	5,491	6	15	32	10	344
Regina International	24	2,933	19	16	25	11	167
Saskatoon/John G Diefenbaker International	14	4,238	11	14	31	11	238
Sault Ste. Marie	37	1,347	4	15	13	4	124
St. John's International	26	2,703	5	10	12	18	131
St-Jean	42	434	7	12	12	10	38
Sudbury	32	1,855	4	9	14	10	104
Thunder Bay	15	3,874	6	11	25	4	209
Toronto/Buttonville Municipal	20	3,106	1	15	54	8	334
Toronto/City Centre	28	2,099	1	14	23	5	163
Toronto/Lester B Pearson International	1	33,639	4	18	97	20	1,328
Vancouver Harbour	23	2,941	11	8	30	7	172
Vancouver International	2	24,591	11	8	79	21	973
Victoria International	9	5,729	8	12	44	7	351
Whitehorse International	40	853	23	14	11	12	49
Windsor	36	1,404	8	11	15	12	101
Winnipeg/James Armstrong Richardson International	5	10,329	5	14	43	5	471
Winnipeg/St. Andrews	29	2,082	17	15	26	11	178
Yellowknife	16	3,716	13	14	22	3	179

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	48	433	7	14	9	20	43
Campbell River	15	1,210	8	12	19	7	84
Castlegar	49	350	29	14	8	29	27
Charlottetown	27	913	22	12	12	19	68
Churchill	38	564	11	11	7	6	34
Cranbrook	31	743	7	13	7	7	41
Deer Lake	12	1,264	10	8	12	14	64
Fort McMurray	1	2,988	10	15	19	5	171
Fort Nelson	29	772	7	14	11	27	51
Fort St John	11	1,272	11	10	11	6	78
Fredericton International	3	2,229	21	12	16	10	153
Grande Prairie	6	1,968	13	15	16	18	111
High Level	46	442	6	15	7	5	33
Îles-de-la-Madeleine	50	310	20	17	6	7	17
Inuvik/Mike Zubko	20	1,116	14	13	10	5	71
Iqaluit	22	1,110	11	12	7	17	59
Kamloops	8	1,701	7	9	13	6	99
Kenora	40	517	3	13	8	14	34
Kingston	19	1,147	30	13	14	30	70
Kuujuaq	30	771	2	14	7	4	40
Kuujuarapik	47	434	4	16	7	4	34
La Grande Rivière	36	597	7	10	7	18	36
La Ronge	23	1,072	14	10	10	11	68
Lethbridge	14	1,211	18	14	11	18	76
Lloydminster	43	492	24	11	8	13	39
Medicine Hat	28	885	6	10	12	28	54
Mont-Joli	51	292	4	12	5	4	24
Nanaimo	18	1,177	20	15	20	20	105
Norman Wells	24	997	20	14	11	21	54
North Bay	13	1,232	12	13	17	5	107
Ottawa/Gatineau	35	608	9	12	18	9	72
Peace River	44	488	12	16	13	17	37
Penticton	21	1,113	5	13	15	6	79
Port Hardy	45	463	12	14	8	5	30
Prince Albert	16	1,197	7	14	14	11	71
Prince Rupert	52	290	13	14	7	7	25
Rankin Inlet	25	974	2	13	13	14	64
Red Deer Regional	10	1,436	10	14	21	8	89
Rouyn-Noranda	32	723	10	15	12	10	50
Saint John	17	1,187	9	11	11	7	71
Sept-Îles	9	1,538	4	10	14	4	104
Sioux Lookout	4	2,114	3	13	17	14	109
Smithers	37	588	12	21	9	12	41
St Anthony	53	290	19	15	5	14	19
St Catharines	42	496	30	15	14	8	57
Terrace	26	951	4	10	9	17	55
Thompson	2	2,528	3	15	20	3	143
Timmins	7	1,860	6	14	11	12	103
Val-D'or	33	722	30	13	7	20	42
Victoria Harbour	5	2,036	12	8	19	7	125
Wabush	41	508	12	11	7	6	32
Whitecourt	34	627	6	8	10	14	50
Williams Lake	39	563	18	13	11	18	36

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	4	4,446	5	15	88	5	534
Boundary Bay	2	4,728	14	11	74	7	422
Calgary International	37	182	13	12	10	13	32
Calgary/Springbank	1	10,528	17	10	84	13	674
Chicoutimi/St-Honoré	23	1,242	4	12	76	4	264
Edmonton City Centre	25	1,100	11	16	24	5	106
Edmonton International	35	236	5	17	14	5	46
Edmonton/Villeneuve	11	3,032	18	11	82	18	342
Gander International	18	1,636	6	11	44	15	184
Halifax/Robert L Stanfield International	31	482	9	12	28	5	102
Hamilton	21	1,362	4	14	38	1	168
Kelowna	26	1,049	12	15	36	6	162
Kitchener/Waterloo	10	3,052	5	13	52	5	324
Langley	9	3,089	29	14	64	6	222
London	8	3,486	1	18	68	8	426
Moncton/Greater Moncton International	12	3,017	16	10	40	7	238
Montréal/Mirabel International	32	464	22	13	30	13	54
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	7	3,684	10	15	110	10	684
Oshawa	20	1,532	5	16	36	17	168
Ottawa/Macdonald-Cartier International	19	1,610	6	14	46	30	162
Pitt Meadows	13	2,800	7	15	110	5	334
Prince George	24	1,108	12	14	74	12	282
Québec/Jean Lesage International	14	2,064	10	15	50	22	286
Regina International	28	800	17	12	30	18	80
Saskatoon/John G Diefenbaker International	15	1,997	9	13	48	11	182
Sault Ste. Marie	30	626	4	18	46	4	148
St. John's International	38	166	7	20	12	7	24
St-Jean	36	196	10	13	24	1	32
Sudbury	33	388	10	15	38	10	108
Thunder Bay	27	858	4	9	60	4	244
Toronto/Buttonville Municipal	5	3,906	5	15	86	6	474
Toronto/City Centre	16	1,956	21	15	54	1	258
Toronto/Lester B Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	39	2	11	11	2	11	2
Vancouver International	0	0	0	0	0	0	0
Victoria International	6	3,755	12	13	56	7	360
Whitehorse International	34	304	15	15	18	9	48
Windsor	22	1,250	12	18	58	12	160
Winnipeg/James Armstrong Richardson International	29	644	12	13	36	12	72
Winnipeg/St. Andrews	3	4,614	31	13	88	3	478
Yellowknife	17	1,908	15	10	86	15	238

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	556	31	15	36	20	136
Campbell River	2	1,474	10	11	58	6	200
Castlegar	31	60	6	15	28	6	28
Charlottetown	14	432	16	12	20	3	60
Churchill	0	0	0	0	0	0	0
Cranbrook	35	42	13	13	8	13	8
Deer Lake	20	210	13	10	46	13	82
Fort McMurray	18	326	9	10	16	19	40
Fort Nelson	42	10	30	12	4	30	8
Fort St John	25	98	7	14	24	7	34
Fredericton International	3	1,206	11	8	28	10	114
Grande Prairie	15	402	19	16	24	19	64
High Level	40	26	3	16	14	3	18
Îles-de-la-Madeleine	46	4	26	10	4	26	4
Inuvik/Mike Zubko	38	34	4	16	8	6	14
Iqaluit	36	36	12	10	8	12	12
Kamloops	16	374	14	11	34	14	100
Kenora	44	6	5	16	6	5	6
Kingston	4	1,156	10	15	38	10	128
Kuujuaq	32	54	8	10	8	8	16
Kuujuarapik	45	6	17	15	6	17	6
La Grande Rivière	48	2	13	11	1	13	2
La Ronge	37	36	7	15	8	7	16
Lethbridge	10	684	2	9	30	13	64
Lloydminster	17	344	10	14	40	7	46
Medicine Hat	9	800	22	13	36	13	92
Mont-Joli	0	0	0	0	0	0	0
Nanaimo	22	154	20	15	12	20	28
Norman Wells	11	650	10	11	14	12	56
North Bay	1	2,314	6	10	74	20	384
Ottawa/Gatineau	8	824	9	10	40	12	132
Peace River	43	10	30	13	6	30	6
Penticton	7	950	11	15	50	11	162
Port Hardy	41	16	18	12	6	18	6
Prince Albert	34	50	9	15	16	9	16
Prince Rupert	19	236	13	11	52	13	118
Rankin Inlet	47	2	6	12	2	6	2
Red Deer Regional	5	1,046	21	10	30	14	110
Rouyn-Noranda	29	70	6	15	16	10	22
Saint John	21	154	21	9	20	5	34
Sept-Îles	28	72	25	14	20	25	20
Sioux Lookout	33	50	3	10	18	3	36
Smithers	39	28	29	10	10	29	10
St Anthony	0	0	0	0	0	0	0
St Catharines	12	610	30	15	58	30	128
Terrace	26	87	30	13	20	30	40
Thompson	24	110	6	12	22	6	38
Timmins	27	83	20	19	20	20	20
Val-D'or	23	120	20	10	16	20	56
Victoria Harbour	0	0	0	0	0	0	0
Wabush	0	0	0	0	0	0	0
Whitecourt	6	964	5	15	60	5	210
Williams Lake	30	60	16	13	10	29	14

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Abbotsford	4	4,446	5	15	88	5	534
Boundary Bay	2	4,728	14	11	74	7	422
Calgary International	37	182	13	12	10	13	32
Calgary/Springbank	1	10,528	17	10	84	13	674
Chicoutimi/St-Honoré	23	1,242	4	12	76	4	264
Edmonton City Centre	25	1,076	11	16	24	5	98
Edmonton International	35	200	21	15	10	7	26
Edmonton/Villeneuve	11	3,032	18	11	82	18	342
Gander International	20	1,516	6	11	44	15	184
Halifax/Robert L Stanfield International	31	414	9	12	28	5	102
Hamilton	21	1,350	4	14	38	1	168
Kelowna	26	1,043	12	15	36	6	162
Kitchener/Waterloo	10	3,052	5	13	52	5	324
Langley	9	3,089	29	14	64	6	222
London	8	3,486	1	18	68	8	426
Moncton/Greater Moncton International	12	3,015	16	10	40	7	238
Montréal/Mirabel International	30	452	22	13	30	6	52
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	6	3,684	10	15	110	10	684
Oshawa	19	1,532	5	16	36	17	168
Ottawa/Macdonald-Cartier International	18	1,602	6	14	46	30	162
Pitt Meadows	13	2,800	7	15	110	5	334
Prince George	24	1,108	12	14	74	12	282
Québec/Jean Lesage International	14	2,060	10	15	50	22	286
Regina International	28	776	17	12	30	18	80
Saskatoon/John G Diefenbaker International	16	1,933	9	13	48	11	178
Sault Ste. Marie	29	626	4	18	46	4	148
St. John's International	38	166	7	20	12	7	24
St-Jean	36	196	10	13	24	1	32
Sudbury	33	388	10	15	38	10	108
Thunder Bay	27	844	4	9	60	4	244
Toronto/Buttonville Municipal	5	3,906	5	15	86	6	474
Toronto/City Centre	15	1,956	21	15	54	1	258
Toronto/Lester B Pearson International	0	0	0	0	0	0	0
Vancouver Harbour	39	2	11	11	2	11	2
Vancouver International	0	0	0	0	0	0	0
Victoria International	7	3,559	12	13	56	7	356
Whitehorse International	34	304	15	15	18	9	48
Windsor	22	1,250	12	18	58	12	160
Winnipeg/James Armstrong Richardson International	32	394	12	13	36	12	70
Winnipeg/St. Andrews	3	4,614	31	13	88	3	478
Yellowknife	17	1,814	15	10	86	15	238

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	536	31	15	36	20	136
Campbell River	2	1,474	10	11	58	6	200
Castlegar	30	60	6	15	28	6	28
Charlottetown	14	428	16	12	20	3	60
Churchill	0	0	0	0	0	0	0
Cranbrook	35	40	13	13	8	13	8
Deer Lake	20	204	13	10	40	13	76
Fort McMurray	18	326	9	10	16	19	40
Fort Nelson	41	10	30	12	4	30	8
Fort St John	25	98	7	14	24	7	34
Fredericton International	3	1,206	11	8	28	10	114
Grande Prairie	15	402	19	16	24	19	64
High Level	40	26	3	16	14	3	18
Îles-de-la-Madeleine	45	4	26	10	4	26	4
Inuvik/Mike Zubko	38	34	4	16	8	6	14
Iqaluit	36	36	12	10	8	12	12
Kamloops	16	374	14	11	34	14	100
Kenora	43	6	5	16	6	5	6
Kingston	4	1,156	10	15	38	10	128
Kuujuaq	32	54	8	10	8	8	16
Kuujuarapik	44	6	17	15	6	17	6
La Grande Rivière	47	2	13	11	1	13	2
La Ronge	37	36	7	15	8	7	16
Lethbridge	10	684	2	9	30	13	64
Lloydminster	17	344	10	14	40	7	46
Medicine Hat	9	790	22	13	36	13	92
Mont-Joli	0	0	0	0	0	0	0
Nanaimo	21	154	20	15	12	20	28
Norman Wells	11	650	10	11	14	12	56
North Bay	1	2,314	6	10	74	20	384
Ottawa/Gatineau	8	824	9	10	40	12	132
Peace River	42	10	30	13	6	30	6
Penticton	7	950	11	15	50	11	162
Port Hardy	46	4	6	15	4	6	4
Prince Albert	34	50	9	15	16	9	16
Prince Rupert	19	236	13	11	52	13	118
Rankin Inlet	48	2	6	12	2	6	2
Red Deer Regional	5	1,046	21	10	30	14	110
Rouyn-Noranda	29	70	6	15	16	10	22
Saint John	22	146	21	9	20	5	34
Sept-Îles	28	72	25	14	20	25	20
Sioux Lookout	33	50	3	10	18	3	36
Smithers	39	28	29	10	10	29	10
St Anthony	0	0	0	0	0	0	0
St Catharines	12	610	30	15	58	30	128
Terrace	26	87	30	13	20	30	40
Thompson	24	110	6	12	22	6	38
Timmins	27	83	20	19	20	20	20
Val-D'or	23	120	20	10	16	20	56
Victoria Harbour	0	0	0	0	0	0	0
Wabush	0	0	0	0	0	0	0
Whitecourt	6	964	5	15	60	5	210
Williams Lake	31	60	16	13	10	29	14

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	0	0	0	0	0	0	0
Boundary Bay	0	0	0	0	0	0	0
Calgary International	0	0	0	0	0	0	0
Calgary/Springbank	0	0	0	0	0	0	0
Chicoutimi/St-Honoré	0	0	0	0	0	0	0
Edmonton City Centre	8	24	5	15	4	14	12
Edmonton International	7	36	5	17	14	5	30
Edmonton/Villeneuve	0	0	0	0	0	0	0
Gander International	3	120	12	8	16	11	28
Halifax/Robert L Stanfield International	5	68	10	18	16	10	22
Hamilton	11	12	7	16	12	7	12
Kelowna	14	6	5	10	2	7	4
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	16	2	21	13	2	21	2
Montréal/Mirabel International	12	12	13	15	8	13	8
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	13	8	21	15	8	21	8
Pitt Meadows	0	0	0	0	0	0	0
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	15	4	14	15	2	14	2
Regina International	9	24	9	14	10	9	10
Saskatoon/John G Diefenbaker International	6	64	19	18	20	19	30
Sault Ste. Marie	0	0	0	0	0	0	0
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	14	27	13	6	14	6
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	196	5	19	32	5	82
Whitehorse International	0	0	0	0	0	0	0
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	1	250	16	12	20	17	50
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	4	94	3	12	12	5	32

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

	Rank of movements	Number of movements	Peak hour occurrence			Peak day occurrence	
			Day in month	Hour in day	Number of movements	Day in month	Number of movements
Brandon Municipal	1	20	13	20	8	13	8
Campbell River	0	0	0	0	0	0	0
Castlegar	0	0	0	0	0	0	0
Charlottetown	6	4	7	16	4	7	4
Churchill	0	0	0	0	0	0	0
Cranbrook	7	2	5	14	2	5	2
Deer Lake	5	6	13	10	6	13	6
Fort McMurray	0	0	0	0	0	0	0
Fort Nelson	0	0	0	0	0	0	0
Fort St John	0	0	0	0	0	0	0
Fredericton International	0	0	0	0	0	0	0
Grande Prairie	0	0	0	0	0	0	0
High Level	0	0	0	0	0	0	0
Îles-de-la-Madeleine	0	0	0	0	0	0	0
Inuvik/Mike Zubko	0	0	0	0	0	0	0
Iqaluit	0	0	0	0	0	0	0
Kamloops	0	0	0	0	0	0	0
Kenora	0	0	0	0	0	0	0
Kingston	0	0	0	0	0	0	0
Kuujuaq	0	0	0	0	0	0	0
Kuujuarapik	0	0	0	0	0	0	0
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	0	0	0	0	0	0	0
Lethbridge	0	0	0	0	0	0	0
Lloydminster	0	0	0	0	0	0	0
Medicine Hat	3	10	8	15	10	8	10
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	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	2	12	18	12	6	18	6
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	4	8	11	11	8	11	8
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	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 I "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.

Factors influencing the data

A major winter storm struck central and eastern Canada on December 16, 2007 forcing the cancellation of flights.

Appendix I

Glossary of terms

Air carrier

Aircraft operators licensed by the Canadian Transportation Agency to transport persons, mail and/or goods by air.

Levels I to III air carriers (Defn 2000)– This includes every Canadian air carrier 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.

Levels IV to VI air carriers (Defn 2000)– Canadian air carriers not classified in report level I-III 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 “3” 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. For operational purposes, all weights are rounded upwards to the next 1,000 kilograms. Thus 3,200 kilograms becomes 4,000 kilograms.

I.F.R. flight

A flight conducted in accordance with Instrument flight rules.

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 but excluding Hawaii), 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 **with** control towers and/or Flight service stations: for the purpose of completing air traffic records, itinerant movements are considered as movements in which aircraft proceed to or arrive from another location; or where aircraft leave the circuit but return without landing at another airport. 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 **with** control towers and/or Flight service stations: for the purpose of completing air traffic records, local movements are considered as movements in which the aircraft remains in the circuit. 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 the grand total.

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.

V.F.R. flight

A flight conducted in accordance with Visual flight rules.

Weight group

The classification of weight classes in groups for statistical purposes.