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



October 2014



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Statistics Canada
Environment, Energy and Transportation Statistics Division

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

October 2014

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Symbols

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- . not available for any reference period
- .. not available for a specific reference period
- ... not applicable
- 0 true zero or a value rounded to zero
- 0^s value rounded to 0 (zero) where there is a meaningful distinction between true zero and the value that was rounded
- p preliminary
- r revised
- x suppressed to meet the confidentiality requirements of the *Statistics Act*
- E use with caution
- F too unreliable to be published
- * significantly different from reference category ($p < 0.05$)

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Highlights

Aircraft take-offs and landings at Canadian airports with NAV CANADA air traffic control towers and flight service stations decreased 5.5% in October 2014 from the same month a year earlier. The 91 airports included in October 2014 reported 460,016 movements compared to 486,958 movements at 93 airports the previous year.

Both itinerant movements (flights from one airport to another) and local movements (flights that remain in the vicinity of the airport) contributed to the decline. Itinerant movements (329,355) fell by 13,732 (-4.0%) while local movements (130,661) dropped 13,210 (-9.2%).

The Edmonton City Centre Airport closed on November 30, 2013 and the Prince Rupert Airport, while still open, lost its status as a flight service station effective July 24, 2014. These two airports accounted for a total of 4,516 movements in October 2013.

Note to readers

This release of the Aircraft Movements Statistics data includes the months of March 2014 to October 2014, along with revisions to January and February 2014.

This will also be the last edition of the Aircraft Movement Statistics: NAV CANADA Towers and Flight Service Stations (TP 141) (51-007-X) publication. However, all of the information and data included in this publication will continue to be available, either in *The Daily*, on CANSIM, in the repository for survey definitions, data sources and methods, or in the service bulletin *Aviation* (51-004-X). Hyperlinks to all of this information will be included in *The Daily*.

Table 1
Distribution of aircraft movements at NAV CANADA Towers and Flight Service Stations

	NAV CANADA towers	Percentage change, October 2013 to October 2014	NAV CANADA Flight Service Stations	Percentage change, October 2013 to October 2014	Total	Percentage change, October 2013 to October 2014
	number	percent	number	percent	number	percent
Grand total	374,831	-4.5	85,185	-9.8	460,016	-5.5
Itinerant movements						
Air carriers	212,200	-0.1	50,212	-5.6	262,412	-1.2
Other commercial movements	21,963	-12.9	2,737	-21.6	24,700	-13.9
Private movements	24,357	-11.5	8,880	-14.3	33,237	-12.2
Government civil movements	3,620	-22.5	1,341	-24.8	4,961	-23.1
Government military movements	3,262	-10.1	783	-17.8	4,045	-11.7
Itinerant total	265,402	-2.9	63,953	-8.3	329,355	-4.0
Local movements						
Civil local movements	108,921	-8.3	21,104	-14.0	130,025	-9.2
Military local movements	508	4.5	128	6.7	636	5.0
Local total	109,429	-8.2	21,232	-13.9	130,661	-9.2

Analysis

The reduction in itinerant movements was led by the drop (-3,514 movements) resulting from the closure of Edmonton City Centre Airport. Large decreases were also reported at Toronto/Buttonville (-2,290), Montreal/St. Hubert (-1,287) and Langley, British Columbia (-1,189). Together, these airports accounted for 60% of the overall decline. In contrast, year-over-year itinerant activity at Vancouver International rose by 2,391 movements to reach its highest level for the month of October since 2008.

Similarly, 75% of the decline observed in local movements was concentrated in just four airports – Montréal/St-Hubert (-3,432 movements), Toronto/Buttonville (-2,712), Fredericton International (-2,018) and Ottawa/Macdonald-Cartier (-1,794). These decreases were more than sufficient to offset the largest increase (+2,016 movements) which was reported at Victoria International.

The drop in total movements for Toronto/Buttonville may be explained by the upcoming closure of the airport and the relocation of some activities, a flight school, for example, to nearby airports.

Itinerant movements: domestic, transborder and international

Itinerant movements within Canada fell to 276,367 movements in October 2014, a drop of 5.0% from the previous year. Since the economic downturn in 2009, domestic itinerant movements during the month of October have fluctuated from a high of 296,065 in 2011 to a low of 270,983 in 2012. Year-over-year variations for October 2014 ranged from an increase of 1,771 movements (+10.1%) at Vancouver International to a drop of 2,271 movements (-45.3%) at Toronto/Buttonville. Of those reporting in October 2014, fifty-nine airports reported year-over-year decreases in domestic movements.

Eighty-two airports recorded 42,684 transborder itinerant movements (between Canada and the United States) in October 2014, little changed from the 42,906 movements that were reported the previous year. Slight decreases in transborder movements at Toronto/Lester B. Pearson International (-518 movements), Montreal/ Pierre Elliot Trudeau International (-235) and Quebec/Jean Lesage International (-203) were sufficient to offset small gains at Vancouver International (513) and Edmonton International (107).

In October 2014, forty-five airports reported a total of 10,304 other international itinerant movements, up 10.2% from October 2013. The gain resulted from growth of 9.5% at Canada's busiest airport, Toronto/Lester B. Pearson International, which reported 5,062 other international itinerant movements during the month.

Related products

Selected publications from Statistics Canada

51-008-X	Aircraft Movement Statistics: Airports Without Air Traffic Control Towers (TP 141)
51-203-X	Air Carrier Traffic at Canadian Airports
51-209-X	Aircraft Movement Statistics: NAV CANADA Towers and Flight Service Stations: Annual Report (TP 577)
51-210-X	Aircraft Movement Statistics: Airports Without Air Traffic Control Towers: Annual Report (TP 577)

Selected CANSIM tables from Statistics Canada

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
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Selected surveys from Statistics Canada

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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	12	10,322	24	3,380	3	6,942
Boundary Bay	13	10,233	19	4,109	6	6,124
Calgary International	3	21,507	3	21,381	37	126
Calgary/Springbank	6	14,696	13	5,880	1	8,816
Chicoutimi/St-Honoré	16	9,339	36	1,965	2	7,374
Edmonton International	7	14,456	5	14,352	40	104
Edmonton/Villeneuve	29	5,011	35	2,003	15	3,008
Fort McMurray	25	6,338	16	5,646	31	692
Fredericton International	18	8,563	17	4,785	11	3,778
Gander International	36	3,531	33	2,163	26	1,368
Halifax/Robert L. Stanfield International	22	6,951	10	6,679	34	272
Hamilton	38	3,180	31	2,326	27	854
Kelowna	21	7,038	18	4,522	19	2,516
Kitchener/Waterloo	20	7,961	27	2,983	9	4,978
Langley	33	3,872	39	1,452	20	2,420
London	28	5,165	29	2,849	21	2,316
Moncton/Greater Moncton International	23	6,882	20	3,984	17	2,898
Montréal/Pierre Elliott Trudeau International	4	18,524	4	18,404	39	120
Montréal/St-Hubert	9	12,475	14	5,849	4	6,626
Oshawa	35	3,596	34	2,092	24	1,504
Ottawa/Macdonald-Cartier International	5	14,766	6	10,546	10	4,220
Pitt Meadows	26	5,916	32	2,214	13	3,702
Prince George	37	3,452	30	2,636	28	816
Québec/Jean Lesage International	14	10,162	9	7,240	16	2,922
Regina International	27	5,404	22	3,935	25	1,469
Saskatoon/John G. Diefenbaker International	17	8,833	12	5,969	18	2,864
Sault Ste. Marie	30	4,984	37	1,816	14	3,168
St. John's International	31	4,081	21	3,957	38	124
St-Jean	39	3,116	40	1,420	23	1,696
Thunder Bay	10	11,076	15	5,790	8	5,286
Toronto/Billy Bishop Toronto City	15	10,074	8	7,846	22	2,228
Toronto/Buttonville Municipal	24	6,618	28	2,888	12	3,730
Toronto/Lester B. Pearson International	1	37,066	1	36,930	35	136
Vancouver Harbour	34	3,804	23	3,802	41	2
Vancouver International	2	25,974	2	25,848	36	126
Victoria International	8	12,713	11	6,369	5	6,344
Whitehorse International	41	1,571	41	1,261	33	310
Windsor	40	2,436	38	1,692	29	744
Winnipeg/James Armstrong Richardson International	11	10,771	7	10,041	30	730
Winnipeg/St. Andrews	19	8,399	26	3,103	7	5,296
Yellowknife	32	3,975	25	3,295	32	680
Total of NAV CANADA towers (41)	.	374,831	.	265,402	.	109,429

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	21	1,826	22	1,253	14	573
Campbell River	18	1,894	29	1,086	10	808
Castlegar	49	466	49	400	33	66
Charlottetown	34	1,171	32	977	23	194
Churchill	42	884	38	876	49	8
Cranbrook	37	1,051	36	889	27	162
Deer Lake	23	1,654	13	1,584	31	70
Fort Nelson	35	1,120	30	1,070	39	50
Fort St. John	19	1,846	12	1,668	25	178
Grande Prairie	2	3,973	1	2,597	5	1,376
High Level	45	702	44	672	43	30
Îles-de-la-Madeleine	50	379	50	357	47	22
Inuvik/Mike Zubko	38	961	35	929	42	32
Iqaluit	24	1,566	14	1,520	40	46
Kamloops	6	2,691	9	1,947	12	744
Kenora	43	864	45	656	20	208
Kingston	17	2,021	18	1,359	13	662
Kuujuuaq	33	1,221	27	1,171	38	50
La Grande Rivière	48	626	47	626	0	0
La Ronge	30	1,429	20	1,323	28	106
Lethbridge	16	2,039	23	1,231	9	808
Lloydminster	27	1,490	34	940	16	550
Medicine Hat	31	1,296	33	966	18	330
Mont-Joli	44	817	41	807	48	10
Montréal/Mirabel International	5	2,952	25	1,186	3	1,766
Nanaimo	7	2,674	10	1,696	7	978
Norman Wells	39	927	42	732	22	195
North Bay	4	3,178	15	1,478	4	1,700
Ottawa/Gatineau	3	3,214	24	1,228	2	1,986
Peace River	40	922	40	854	32	68
Penticton	15	2,150	39	870	6	1,280
Port Hardy	46	667	48	607	37	60
Prince Albert	20	1,834	11	1,672	26	162
Rankin Inlet	41	905	37	879	45	26
Red Deer Regional	1	4,139	8	2,003	1	2,136
Rouyn-Noranda	26	1,507	21	1,269	19	238
Saint John	22	1,681	26	1,183	17	498
Sept-Îles	10	2,434	4	2,332	30	102
Sioux Lookout	9	2,501	2	2,463	41	38
Smithers	36	1,051	31	987	34	64
St. Catharines	14	2,236	17	1,392	8	844
Sudbury	8	2,645	7	2,081	15	564
Terrace	29	1,459	16	1,397	35	62
Thompson	13	2,345	6	2,285	36	60
Timmins	11	2,434	5	2,330	29	104
Val-d'Or	32	1,282	28	1,092	24	190
Victoria Harbour	12	2,369	3	2,341	44	28
Wabush	25	1,545	19	1,339	21	206
Whitecourt	28	1,487	43	717	11	770
Williams Lake	47	660	46	636	46	24
Total of all flight service stations (50)	.	85,185	.	63,953	.	21,232

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	10,170	2,649	579	6,942	152	152	0
Boundary Bay	10,231	3,083	1,024	6,124	2	2	0
Calgary International	21,467	20,072	1,269	126	40	40	0
Calgary/Springbank	14,682	4,357	1,509	8,816	14	14	0
Chicoutimi/St-Honoré	9,330	1,789	175	7,366	9	1	8
Edmonton International	14,449	13,185	1,160	104	7	7	0
Edmonton/Villeneuve	4,634	924	702	3,008	377	377	0
Fort McMurray	6,318	4,957	681	680	20	8	12
Fredericton International	8,504	4,593	133	3,778	59	59	0
Gander International	3,299	1,656	275	1,368	232	232	0
Halifax/Robert L. Stanfield International	6,841	6,308	269	264	110	102	8
Hamilton	3,168	1,986	332	850	12	8	4
Kelowna	7,008	3,946	556	2,506	30	20	10
Kitchener/Waterloo	7,952	2,025	949	4,978	9	9	0
Langley	3,870	879	571	2,420	2	2	0
London	5,161	2,354	491	2,316	4	4	0
Moncton/Greater Moncton International	6,868	3,714	264	2,890	14	6	8
Montréal/Pierre Elliott Trudeau International	18,519	16,793	1,606	120	5	5	0
Montréal/St-Hubert	12,390	4,648	1,118	6,624	85	83	2
Oshawa	3,576	1,209	863	1,504	20	20	0
Ottawa/Macdonald-Cartier International	14,538	9,790	534	4,214	228	222	6
Pitt Meadows	5,591	971	918	3,702	325	325	0
Prince George	3,343	2,130	397	816	109	109	0
Québec/Jean Lesage International	10,120	6,140	1,062	2,918	42	38	4
Regina International	4,986	3,099	748	1,139	418	88	330
Saskatoon/John G. Diefenbaker International	8,679	4,880	1,025	2,774	154	64	90
Sault Ste. Marie	4,962	1,706	92	3,164	22	18	4
St. John's International	3,929	3,434	373	122	152	150	2
St-Jean	2,641	264	681	1,696	475	475	0
Thunder Bay	11,023	5,281	470	5,272	53	39	14
Toronto/Billy Bishop Toronto City	10,063	7,384	451	2,228	11	11	0
Toronto/Buttonville Municipal	6,618	1,801	1,087	3,730	0	0	0
Toronto/Lester B. Pearson International	37,048	35,013	1,899	136	18	18	0
Vancouver Harbour	3,803	3,769	32	2	1	1	0
Vancouver International	25,959	25,120	713	126	15	15	0
Victoria International	12,570	5,228	1,004	6,338	143	137	6
Whitehorse International	1,562	1,030	222	310	9	9	0
Windsor	2,436	1,399	293	744	0	0	0
Winnipeg/James Armstrong Richardson International	10,446	8,845	871	730	325	325	0
Winnipeg/St. Andrews	8,390	2,605	489	5,296	9	9	0
Yellowknife	3,917	3,147	90	680	58	58	0
Total of NAV CANADA towers (41)	371,061	234,163	27,977	108,921	3,770	3,262	508

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	1,477	323	581	573	349	349	0	
Campbell River	1,887	918	167	802	7	1	6	
Castlegar	457	372	23	62	9	5	4	
Charlottetown	1,161	773	198	190	10	6	4	
Churchill	884	834	42	8	0	0	0	
Cranbrook	1,039	704	175	160	12	10	2	
Deer Lake	1,648	1,401	177	70	6	6	0	
Fort Nelson	1,117	1,017	50	50	3	3	0	
Fort St. John	1,844	1,435	231	178	2	2	0	
Grande Prairie	3,959	2,096	487	1,376	14	14	0	
High Level	700	611	59	30	2	2	0	
Îles-de-la-Madeleine	374	302	54	18	5	1	4	
Inuvik/Mike Zubko	961	904	25	32	0	0	0	
Iqaluit	1,540	1,317	177	46	26	26	0	
Kamloops	2,677	1,550	389	738	14	8	6	
Kenora	852	548	96	208	12	12	0	
Kingston	2,006	948	396	662	15	15	0	
Kuujuuaq	1,215	1,126	39	50	6	6	0	
La Grande Rivière	626	578	48	0	0	0	0	
La Ronge	1,426	1,252	68	106	3	3	0	
Lethbridge	2,015	917	296	802	24	18	6	
Lloydminster	1,468	510	420	538	22	10	12	
Medicine Hat	1,268	700	242	326	28	24	4	
Mont-Joli	813	694	109	10	4	4	0	
Montréal/Mirabel International	2,910	950	220	1,740	42	16	26	
Nanaimo	2,621	1,213	432	976	53	51	2	
Norman Wells	927	714	18	195	0	0	0	
North Bay	3,151	943	514	1,694	27	21	6	
Ottawa/Gatineau	3,201	559	656	1,986	13	13	0	
Peace River	922	748	106	68	0	0	0	
Penticton	2,080	589	213	1,278	70	68	2	
Port Hardy	617	511	70	36	50	26	24	
Prince Albert	1,824	1,452	216	156	10	4	6	
Rankin Inlet	905	843	36	26	0	0	0	
Red Deer Regional	4,139	1,350	653	2,136	0	0	0	
Rouyn-Noranda	1,507	1,150	119	238	0	0	0	
Saint John	1,670	865	307	498	11	11	0	
Sept-Îles	2,413	2,076	237	100	21	19	2	
Sioux Lookout	2,501	2,370	93	38	0	0	0	
Smithers	1,047	901	82	64	4	4	0	
St. Catharines	2,234	950	440	844	2	2	0	
Sudbury	2,641	1,819	258	564	4	4	0	
Terrace	1,459	1,340	57	62	0	0	0	
Thompson	2,345	2,126	159	60	0	0	0	
Timmins	2,432	2,173	155	104	2	2	0	
Val-d'Or	1,278	898	190	190	4	4	0	
Victoria Harbour	2,358	2,264	66	28	11	11	0	
Wabush	1,535	1,209	128	198	10	2	8	
Whitecourt	1,483	546	171	766	4	0	4	
Williams Lake	660	560	76	24	0	0	0	
Total of all flight service stations (50)	84,274	52,949	10,221	21,104	911	783	128	

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	3,380	470	2,110	69	509	70	152
Boundary Bay	4,109	3	686	2,394	950	74	2
Calgary International	21,381	17,790	1,891	391	1,211	58	40
Calgary/Springbank	5,880	18	797	3,542	1,474	35	14
Chicoutimi/St-Honoré	1,965	379	92	1,318	167	8	1
Edmonton International	14,352	11,657	1,340	188	972	188	7
Edmonton/Villeneuve	2,003	11	57	856	620	82	377
Fort McMurray	5,646	2,098	2,761	98	657	24	8
Fredericton International	4,785	836	3,757	0	117	16	59
Gander International	2,163	1,562	59	35	238	37	232
Halifax/Robert L. Stanfield International	6,679	5,951	349	8	223	46	102
Hamilton	2,326	1,642	147	197	190	142	8
Kelowna	4,522	3,008	599	339	491	65	20
Kitchener/Waterloo	2,983	200	1,769	56	939	10	9
Langley	1,452	11	83	785	491	80	2
London	2,849	1,185	285	884	444	47	4
Moncton/Greater Moncton International	3,984	1,723	1,990	1	154	110	6
Montréal/Pierre Elliott Trudeau International	18,404	15,486	1,247	60	1,463	143	5
Montréal/St-Hubert	5,849	2,439	606	1,603	1,019	99	83
Oshawa	2,092	24	132	1,053	728	135	20
Ottawa/Macdonald-Cartier International	10,546	7,116	317	2,357	278	256	222
Pitt Meadows	2,214	109	583	279	902	16	325
Prince George	2,636	1,274	820	36	284	113	109
Québec/Jean Lesage International	7,240	3,881	1,964	295	748	314	38
Regina International	3,935	2,054	983	62	596	152	88
Saskatoon/John G. Diefenbaker International	5,969	3,231	1,302	347	711	314	64
Sault Ste. Marie	1,816	964	41	701	59	33	18
St. John's International	3,957	2,940	491	3	138	235	150
St-Jean	1,420	9	161	94	679	2	475
Thunder Bay	5,790	3,144	686	1,451	374	96	39
Toronto/Billy Bishop Toronto City	7,846	5,603	650	1,131	450	1	11
Toronto/Buttonville Municipal	2,888	206	1,555	40	1,042	45	0
Toronto/Lester B. Pearson International	36,930	33,145	1,839	29	1,883	16	18
Vancouver Harbour	3,802	3,468	297	4	32	0	1
Vancouver International	25,848	21,926	2,918	276	634	79	15
Victoria International	6,369	2,996	1,898	334	977	27	137
Whitehorse International	1,261	803	226	1	221	1	9
Windsor	1,692	705	652	42	281	12	0
Winnipeg/James Armstrong Richardson International	10,041	8,111	702	32	473	398	325
Winnipeg/St. Andrews	3,103	724	1,395	486	489	0	9
Yellowknife	3,295	2,819	242	86	49	41	58
Total of NAV CANADA towers (41)	265,402	171,721	40,479	21,963	24,357	3,620	3,262

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	1,253	98	196	29	541	40	349
Campbell River	1,086	703	105	110	155	12	1
Castlegar	400	273	66	33	21	2	5
Charlottetown	977	747	20	6	195	3	6
Churchill	876	732	102	0	40	2	0
Cranbrook	889	669	13	22	173	2	10
Deer Lake	1,584	1,362	30	9	130	47	6
Fort Nelson	1,070	281	734	2	46	4	3
Fort St. John	1,668	716	698	21	213	18	2
Grande Prairie	2,597	1,035	933	128	469	18	14
High Level	672	416	191	4	54	5	2
Îles-de-la-Madeleine	357	280	22	0	10	44	1
Inuvik/Mike Zubko	929	762	142	0	5	20	0
Iqaluit	1,520	1,179	136	2	54	123	26
Kamloops	1,947	878	448	224	335	54	8
Kenora	656	353	100	95	75	21	12
Kingston	1,359	559	345	44	390	6	15
Kuujuuaq	1,171	838	282	6	15	24	6
La Grande Rivière	626	395	183	0	38	10	0
La Ronge	1,323	1,211	28	13	34	34	3
Lethbridge	1,231	473	87	357	292	4	18
Lloydminster	940	341	148	21	403	17	10
Medicine Hat	966	441	219	40	239	3	24
Mont-Joli	807	522	172	0	50	59	4
Montréal/Mirabel International	1,186	773	40	137	218	2	16
Nanaimo	1,696	749	445	19	424	8	51
Norman Wells	732	582	129	3	14	4	0
North Bay	1,478	500	402	41	492	22	21
Ottawa/Gatineau	1,228	104	179	276	648	8	13
Peace River	854	571	155	22	96	10	0
Penticton	870	327	216	46	185	28	68
Port Hardy	607	463	48	0	36	34	26
Prince Albert	1,672	1,414	31	7	139	77	4
Rankin Inlet	879	823	20	0	26	10	0
Red Deer Regional	2,003	405	693	252	639	14	0
Rouyn-Noranda	1,269	912	172	66	91	28	0
Saint John	1,183	748	57	60	304	3	11
Sept-Îles	2,332	1,417	641	18	137	100	19
Sioux Lookout	2,463	2,214	105	51	69	24	0
Smithers	987	594	287	20	65	17	4
St. Catharines	1,392	17	915	18	418	22	2
Sudbury	2,081	1,474	216	129	208	50	4
Terrace	1,397	814	516	10	41	16	0
Thompson	2,285	1,863	257	6	42	117	0
Timmins	2,330	2,032	136	5	104	51	2
Val-d'Or	1,092	774	119	5	161	29	4
Victoria Harbour	2,341	2,262	0	2	15	51	11
Wabush	1,339	1,081	116	12	98	30	2
Whitecourt	717	31	156	359	167	4	0
Williams Lake	636	472	81	7	66	10	0
Total of all flight service stations (50)	63,953	38,680	11,532	2,737	8,880	1,341	783

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	3,380	757	22.3	2,623	77.6	1,385
Boundary Bay	4,109	456	11.0	3,653	88.9	491
Calgary International	21,381	20,554	96.1	827	3.8	865
Calgary/Springbank	5,880	453	7.7	5,427	92.2	103
Chicoutimi/St-Honoré	1,965	222	11.2	1,743	88.7	145
Edmonton International	14,352	13,717	95.5	635	4.4	456
Edmonton/Villeneuve	2,003	233	11.6	1,770	88.3	123
Fort McMurray	5,646	2,908	51.5	2,738	48.4	122
Fredericton International	4,785	1,103	23.0	3,682	76.9	193
Gander International	2,163	1,358	62.7	805	37.2	174
Halifax/Robert L. Stanfield International	6,679	6,393	95.7	286	4.2	262
Hamilton	2,326	1,843	79.2	483	20.7	953
Kelowna	4,522	3,254	71.9	1,268	28.0	555
Kitchener/Waterloo	2,983	616	20.6	2,367	79.3	461
Langley	1,452	24	1.6	1,428	98.3	752
London	2,849	1,437	50.4	1,412	49.5	268
Moncton/Greater Moncton International	3,984	1,899	47.6	2,085	52.3	56
Montréal/Pierre Elliott Trudeau International	18,404	17,953	97.5	451	2.4	1,184
Montréal/St-Hubert	5,849	1,592	27.2	4,257	72.7	1,033
Oshawa	2,092	194	9.2	1,898	90.7	479
Ottawa/Macdonald-Cartier International	10,546	7,784	73.8	2,762	26.1	664
Pitt Meadows	2,214	53	2.3	2,161	97.6	864
Prince George	2,636	1,577	59.8	1,059	40.1	271
Québec/Jean Lesage International	7,240	4,999	69.0	2,241	30.9	1,230
Regina International	3,935	2,845	72.2	1,090	27.7	237
Saskatoon/John G. Diefenbaker International	5,969	4,147	69.4	1,822	30.5	312
Sault Ste. Marie	1,816	1,066	58.7	750	41.2	49
St. John's International	3,957	3,696	93.4	261	6.5	166
St-Jean	1,420	11	0.7	1,409	99.2	475
Thunder Bay	5,790	3,804	65.6	1,986	34.3	185
Toronto/Billy Bishop Toronto City	7,846	5,906	75.2	1,940	24.7	1,648
Toronto/Buttonville Municipal	2,888	528	18.2	2,360	81.7	704
Toronto/Lester B. Pearson International	36,930	36,900	99.9	30	0.0	187
Vancouver Harbour	3,802	470	12.3	3,332	87.6	1,339
Vancouver International	25,848	22,344	86.4	3,504	13.5	4,121
Victoria International	6,369	3,676	57.7	2,693	42.2	2,234
Whitehorse International	1,261	624	49.4	637	50.5	221
Windsor	1,692	834	49.2	858	50.7	113
Winnipeg/James Armstrong Richardson International	10,041	9,263	92.2	778	7.7	330
Winnipeg/St. Andrews	3,103	135	4.3	2,968	95.6	132
Yellowknife	3,295	2,433	73.8	862	26.1	418
Total of NAV CANADA towers (41)	265,402	190,061	71.6	75,341	28.4	25,960

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	1,253	232	18.5	1,021	81.4	150
Campbell River	1,086	662	60.9	424	39.0	296
Castlegar	400	249	62.2	151	37.7	168
Charlottetown	977	814	83.3	163	16.6	34
Churchill	876	769	87.7	107	12.2	425
Cranbrook	889	726	81.6	163	18.3	100
Deer Lake	1,584	1,226	77.3	358	22.6	40
Fort Nelson	1,070	317	29.6	753	70.3	67
Fort St. John	1,668	949	56.8	719	43.1	87
Grande Prairie	2,597	1,516	58.3	1,081	41.6	314
High Level	672	258	38.3	414	61.6	221
Îles-de-la-Madeleine	357	350	98.0	7	1.9	11
Inuvik/Mike Zubko	929	460	49.5	469	50.4	10
Iqaluit	1,520	1,303	85.7	217	14.2	124
Kamloops	1,947	1,111	57.0	836	42.9	395
Kenora	656	420	64.0	236	35.9	354
Kingston	1,359	707	52.0	652	47.9	301
Kuujuuaq	1,171	536	45.7	635	54.2	48
La Grande Rivière	626	572	91.3	54	8.6	126
La Ronge	1,323	822	62.1	501	37.8	516
Lethbridge	1,231	676	54.9	555	45.0	76
Lloydminster	940	381	40.5	559	59.4	23
Medicine Hat	966	420	43.4	546	56.5	204
Mont-Joli	807	702	86.9	105	13.0	27
Montréal/Mirabel International	1,186	924	77.9	262	22.0	1,896
Nanaimo	1,696	929	54.7	767	45.2	350
Norman Wells	732	265	36.2	467	63.7	76
North Bay	1,478	593	40.1	885	59.8	468
Ottawa/Gatineau	1,228	190	15.4	1,038	84.5	488
Peace River	854	584	68.3	270	31.6	28
Penticton	870	301	34.5	569	65.4	165
Port Hardy	607	319	52.5	288	47.4	509
Prince Albert	1,672	1,480	88.5	192	11.4	170
Rankin Inlet	879	859	97.7	20	2.2	259
Red Deer Regional	2,003	542	27.0	1,461	72.9	797
Rouyn-Noranda	1,269	1,152	90.7	117	9.2	102
Saint John	1,183	965	81.5	218	18.4	29
Sept-Îles	2,332	1,704	73.0	628	26.9	371
Sioux Lookout	2,463	2,078	84.3	385	15.6	710
Smithers	987	585	59.2	402	40.7	761
St. Catharines	1,392	157	11.2	1,235	88.7	237
Sudbury	2,081	1,577	75.7	504	24.2	139
Terrace	1,397	962	68.8	435	31.1	283
Thompson	2,285	1,763	77.1	522	22.8	278
Timmins	2,330	1,926	82.6	404	17.3	114
Val-d'Or	1,092	887	81.2	205	18.7	243
Victoria Harbour	2,341	483	20.6	1,858	79.3	619
Wabush	1,339	1,207	90.1	132	9.8	426
Whitecourt	717	43	5.9	674	94.0	135
Williams Lake	636	484	76.1	152	23.8	128
Total of all flight service stations (50)	63,953	39,137	61.2	24,816	38.8	13,898

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	3,380	510	133	1,594	1,099	44
Boundary Bay	4,109	17	106	3,790	196	0
Calgary International	21,381	13,115	7,332	263	671	0
Calgary/Springbank	5,880	85	182	4,697	916	0
Chicoutimi/St-Honoré	1,965	5	91	1,632	237	0
Edmonton International	14,352	7,674	5,921	373	384	0
Edmonton/Villeneuve	2,003	60	87	1,558	144	154
Fort McMurray	5,646	1,410	2,048	791	1,397	0
Fredericton International	4,785	66	981	3,619	119	0
Gander International	2,163	446	769	809	137	2
Halifax/Robert L. Stanfield International	6,679	3,922	2,343	135	279	0
Hamilton	2,326	1,233	608	377	108	0
Kelowna	4,522	1,226	2,078	994	224	0
Kitchener/Waterloo	2,983	364	122	2,312	184	1
Langley	1,452	0	15	1,137	300	0
London	2,849	467	924	1,325	133	0
Moncton/Greater Moncton International	3,984	821	1,055	2,059	49	0
Montréal/Pierre Elliott Trudeau International	18,404	11,508	6,374	313	209	0
Montréal/St-Hubert	5,849	220	927	4,446	254	2
Oshawa	2,092	42	72	1,836	142	0
Ottawa/Macdonald-Cartier International	10,546	5,074	2,764	2,425	283	0
Pitt Meadows	2,214	14	123	1,637	298	142
Prince George	2,636	236	1,380	385	588	47
Québec/Jean Lesage International	7,240	1,105	3,774	1,355	1,006	0
Regina International	3,935	1,393	1,320	1,071	151	0
Saskatoon/John G. Diefenbaker International	5,969	1,487	2,530	1,786	166	0
Sault Ste. Marie	1,816	39	1,010	749	18	0
St. John's International	3,957	1,749	1,630	29	549	0
St-Jean	1,420	0	4	1,030	26	360
Thunder Bay	5,790	218	3,566	1,741	265	0
Toronto/Billy Bishop Toronto City	7,846	12	5,739	1,546	549	0
Toronto/Buttonville Municipal	2,888	76	310	2,263	239	0
Toronto/Lester B. Pearson International	36,930	29,979	6,909	39	3	0
Vancouver Harbour	3,802	0	2,101	855	846	0
Vancouver International	25,848	11,930	11,121	2,153	644	0
Victoria International	6,369	952	2,539	2,494	384	0
Whitehorse International	1,261	356	416	382	107	0
Windsor	1,692	127	666	871	27	1
Winnipeg/James Armstrong Richardson International	10,041	5,373	4,078	344	246	0
Winnipeg/St. Andrews	3,103	0	877	2,059	163	4
Yellowknife	3,295	672	2,123	267	233	0
Total of NAV CANADA towers (41)	265,402	103,983	87,148	59,541	13,973	757

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

	Total	Jet	Turboprop	Piston	Helicopters	Gliders
	number					
Brandon Municipal	1,253	52	228	636	31	306
Campbell River	1,086	25	714	118	229	0
Castlegar	400	5	268	65	62	0
Charlottetown	977	325	455	180	17	0
Churchill	876	133	671	41	31	0
Cranbrook	889	36	653	185	15	0
Deer Lake	1,584	409	1,009	87	79	0
Fort Nelson	1,070	21	300	123	626	0
Fort St. John	1,668	62	907	210	489	0
Grande Prairie	2,597	99	1,283	702	499	14
High Level	672	12	318	151	191	0
Îles-de-la-Madeleine	357	16	326	14	1	0
Inuvik/Mike Zubko	929	98	604	85	142	0
Iqaluit	1,520	419	942	42	117	0
Kamloops	1,947	44	1,030	623	250	0
Kenora	656	18	404	130	104	0
Kingston	1,359	51	590	646	72	0
Kuujuuaq	1,171	139	787	13	232	0
La Grande Rivière	626	98	481	35	12	0
La Ronge	1,323	4	1,161	114	44	0
Lethbridge	1,231	69	522	602	38	0
Lloydminster	940	22	325	556	37	0
Medicine Hat	966	34	458	426	48	0
Mont-Joli	807	26	707	32	42	0
Montréal/Mirabel International	1,186	637	248	78	223	0
Nanaimo	1,696	36	794	802	41	23
Norman Wells	732	176	332	96	128	0
North Bay	1,478	12	539	389	397	141
Ottawa/Gatineau	1,228	11	252	784	181	0
Peace River	854	23	545	125	161	0
Penticton	870	26	348	211	285	0
Port Hardy	607	9	432	68	98	0
Prince Albert	1,672	14	1,488	129	41	0
Rankin Inlet	879	216	648	4	11	0
Red Deer Regional	2,003	89	446	1,254	213	1
Rouyn-Noranda	1,269	92	1,081	91	5	0
Saint John	1,183	105	836	180	62	0
Sept-Îles	2,332	45	1,692	245	350	0
Sioux Lookout	2,463	4	2,037	405	17	0
Smithers	987	33	664	74	216	0
St. Catharines	1,392	13	53	895	431	0
Sudbury	2,081	47	1,548	323	163	0
Terrace	1,397	72	894	18	413	0
Thompson	2,285	184	1,943	34	124	0
Timmins	2,330	22	2,178	88	42	0
Val-d'Or	1,092	155	716	135	86	0
Victoria Harbour	2,341	0	1,485	82	774	0
Wabush	1,339	36	1,160	84	59	0
Whitecourt	717	8	31	147	531	0
Williams Lake	636	6	481	45	104	0
Total of all flight service stations (50)	63,953	4,288	38,014	12,602	8,564	485

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

	Maximum 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	2,386	320	127	46	48	10	425	16	2	0
Boundary Bay	3,650	381	64	7	5	2	0	0	0	0
Calgary International	516	451	1,374	2,338	856	5,010	8,963	1,025	168	680
Calgary/Springbank	5,257	383	222	11	7	0	0	0	0	0
Chicoutimi/St-Honoré	1,678	184	95	5	2	1	0	0	0	0
Edmonton International	417	412	1,744	1,240	476	4,046	5,046	700	124	147
Edmonton/Villeneuve	1,747	121	70	62	3	0	0	0	0	0
Fort McMurray	1,978	709	472	483	71	1,150	647	136	0	0
Fredericton International	3,678	118	181	299	193	314	0	2	0	0
Gander International	747	9	57	539	350	265	40	125	8	23
Halifax/Robert L. Stanfield International	122	202	315	1,082	619	1,548	2,035	430	206	120
Hamilton	358	327	165	300	158	74	383	6	294	261
Kelowna	1,106	100	320	792	95	1,337	771	1	0	0
Kitchener/Waterloo	2,429	92	140	43	56	108	110	0	5	0
Langley	1,339	83	14	6	10	0	0	0	0	0
London	1,311	67	255	151	605	275	177	4	4	0
Moncton/Greater Moncton International	2,083	107	165	317	68	620	270	0	342	12
Montréal/Pierre Elliott Trudeau International	265	192	662	473	2,779	6,794	4,417	1,311	6	1,505
Montréal/St-Hubert	3,982	620	672	379	149	47	0	0	0	0
Oshawa	1,818	180	49	38	0	0	0	0	7	0
Ottawa/Macdonald-Cartier International	2,390	133	463	402	894	2,873	2,626	551	6	208
Pitt Meadows	1,922	279	7	6	0	0	0	0	0	0
Prince George	670	145	363	688	122	502	146	0	0	0
Québec/Jean Lesage International	1,973	373	803	461	1,098	2,346	166	2	2	16
Regina International	908	312	394	406	58	1,224	563	0	70	0
Saskatoon/John G. Diefenbaker International	1,582	394	641	868	211	1,409	801	17	46	0
Sault Ste. Marie	743	62	423	70	259	259	0	0	0	0
St. John's International	38	15	263	708	805	482	1,254	287	91	14
St-Jean	1,412	3	5	0	0	0	0	0	0	0
Thunder Bay	1,736	275	2,146	236	85	1,278	32	2	0	0
Toronto/Billy Bishop Toronto City	1,812	100	273	245	5	5,411	0	0	0	0
Toronto/Buttonville Municipal	2,324	208	266	70	7	13	0	0	0	0
Toronto/Lester B. Pearson International	17	174	442	1,783	3,971	7,099	15,172	4,265	281	3,726
Vancouver Harbour	84	2,752	962	2	2	0	0	0	0	0
Vancouver International	280	3,596	770	3,006	1,089	7,422	6,178	1,027	268	2,212
Victoria International	2,251	787	200	417	214	1,881	521	64	34	0
Whitehorse International	383	231	110	122	11	67	333	4	0	0
Windsor	785	105	57	112	373	234	26	0	0	0
Winnipeg/James Armstrong Richardson International	271	418	2,355	449	820	2,115	2,616	323	510	164
Winnipeg/St. Andrews	2,046	965	80	12	0	0	0	0	0	0
Yellowknife	320	313	736	344	253	747	510	72	0	0
Total of NAV CANADA towers (41)	60,814	16,698	18,922	19,018	16,827	56,963	54,228	10,370	2,474	9,088

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

	Maximum 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	908	49	175	19	34	62	0	6	0	0
Campbell River	307	25	51	600	103	0	0	0	0	0
Castlegar	73	46	4	62	5	210	0	0	0	0
Charlottetown	141	134	28	253	18	345	58	0	0	0
Churchill	38	69	97	16	105	531	20	0	0	0
Cranbrook	150	56	46	452	14	171	0	0	0	0
Deer Lake	146	35	43	481	270	444	165	0	0	0
Fort Nelson	562	78	185	111	75	51	8	0	0	0
Fort St. John	620	49	188	237	82	492	0	0	0	0
Grande Prairie	913	322	418	108	33	803	0	0	0	0
High Level	309	74	127	160	2	0	0	0	0	0
Îles-de-la-Madeleine	4	10	14	160	109	60	0	0	0	0
Inuvik/Mike Zubko	204	110	337	116	2	68	92	0	0	0
Iqaluit	16	103	406	139	170	337	281	20	6	42
Kamloops	666	128	163	316	10	654	8	2	0	0
Kenora	74	90	410	76	6	0	0	0	0	0
Kingston	647	50	103	509	40	8	0	2	0	0
Kuujuuaq	237	2	591	2	34	186	100	2	0	17
La Grande Rivière	14	35	158	2	22	299	96	0	0	0
La Ronge	51	103	571	279	159	160	0	0	0	0
Lethbridge	514	147	81	449	26	12	2	0	0	0
Lloydminster	457	154	145	174	10	0	0	0	0	0
Medicine Hat	436	44	121	347	8	6	2	2	0	0
Mont-Joli	40	14	201	214	153	185	0	0	0	0
Montréal/Mirabel International	267	82	18	54	10	156	147	2	259	191
Nanaimo	558	473	49	16	35	565	0	0	0	0
Norman Wells	154	95	182	79	4	30	188	0	0	0
North Bay	898	62	254	64	176	12	0	12	0	0
Ottawa/Gatineau	918	178	100	19	10	3	0	0	0	0
Peace River	205	69	410	100	22	48	0	0	0	0
Penticton	443	46	32	120	8	217	4	0	0	0
Port Hardy	52	76	144	127	197	11	0	0	0	0
Prince Albert	132	41	170	517	313	499	0	0	0	0
Rankin Inlet	9	6	87	18	64	543	152	0	0	0
Red Deer Regional	1,339	133	169	328	30	2	2	0	0	0
Rouyn-Noranda	94	2	411	34	510	158	60	0	0	0
Saint John	135	179	142	248	279	200	0	0	0	0
Sept-Îles	422	165	540	312	658	235	0	0	0	0
Sioux Lookout	41	426	1,387	510	95	4	0	0	0	0
Smithers	234	149	70	312	61	161	0	0	0	0
St. Catharines	1,223	97	45	17	8	2	0	0	0	0
Sudbury	332	161	762	172	421	233	0	0	0	0
Terrace	318	98	135	130	147	545	24	0	0	0
Thompson	120	68	1,297	32	208	558	2	0	0	0
Timmins	84	126	1,136	5	662	317	0	0	0	0
Val-d'Or	191	31	244	64	375	72	115	0	0	0
Victoria Harbour	47	1,404	879	0	11	0	0	0	0	0
Wabush	115	24	205	353	361	271	10	0	0	0
Whitecourt	667	8	31	11	0	0	0	0	1	0
Williams Lake	140	9	22	455	8	2	0	0	0	0
Total of all flight service stations (50)	16,665	6,135	13,584	9,379	6,163	9,928	1,536	48	265	250

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	3,312	465	2,095	65	465	70	152
Transborder	67	5	15	3	44	0	0
Other international	1	0	0	1	0	0	0
Total	3,380	470	2,110	69	509	70	152
Boundary Bay							
Domestic	4,020	1	684	2,384	877	72	2
Transborder	89	2	2	10	73	2	0
Other international	0	0	0	0	0	0	0
Total	4,109	3	686	2,394	950	74	2
Calgary International							
Domestic	17,123	14,112	1,617	380	922	57	35
Transborder	3,687	3,128	265	9	283	1	1
Other international	571	550	9	2	6	0	4
Total	21,381	17,790	1,891	391	1,211	58	40
Calgary/Springbank							
Domestic	5,778	17	785	3,535	1,396	32	13
Transborder	102	1	12	7	78	3	1
Other international	0	0	0	0	0	0	0
Total	5,880	18	797	3,542	1,474	35	14
Chicoutimi/St-Honoré							
Domestic	1,965	379	92	1,318	167	8	1
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,965	379	92	1,318	167	8	1
Edmonton International							
Domestic	12,509	9,953	1,319	166	877	188	6
Transborder	1,714	1,576	21	22	94	0	1
Other international	129	128	0	0	1	0	0
Total	14,352	11,657	1,340	188	972	188	7
Edmonton/Villeneuve							
Domestic	1,996	11	57	856	613	82	377
Transborder	6	0	0	0	6	0	0
Other international	1	0	0	0	1	0	0
Total	2,003	11	57	856	620	82	377
Fort McMurray							
Domestic	5,641	2,097	2,760	98	654	24	8
Transborder	5	1	1	0	3	0	0
Other international	0	0	0	0	0	0	0
Total	5,646	2,098	2,761	98	657	24	8
Fredericton International							
Domestic	4,759	829	3,757	0	99	16	58
Transborder	26	7	0	0	18	0	1
Other international	0	0	0	0	0	0	0
Total	4,785	836	3,757	0	117	16	59
Gander International							
Domestic	1,738	1,479	56	14	63	37	89
Transborder	201	37	0	9	88	0	67
Other international	224	46	3	12	87	0	76
Total	2,163	1,562	59	35	238	37	232
Halifax/Robert L. Stanfield International							
Domestic	5,778	5,176	338	4	145	46	69
Transborder	744	645	9	1	72	0	17
Other international	157	130	2	3	6	0	16
Total	6,679	5,951	349	8	223	46	102

Table 7-1 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Hamilton							
Domestic	1,700	1,121	127	195	107	142	8
Transborder	594	500	13	2	79	0	0
Other international	32	21	7	0	4	0	0
Total	2,326	1,642	147	197	190	142	8
Kelowna							
Domestic	4,254	2,802	591	338	438	65	20
Transborder	267	205	8	1	53	0	0
Other international	1	1	0	0	0	0	0
Total	4,522	3,008	599	339	491	65	20
Kitchener/Waterloo							
Domestic	2,686	140	1,725	54	752	10	5
Transborder	292	60	41	2	185	0	4
Other international	5	0	3	0	2	0	0
Total	2,983	200	1,769	56	939	10	9
Langley							
Domestic	1,444	11	83	785	483	80	2
Transborder	8	0	0	0	8	0	0
Other international	0	0	0	0	0	0	0
Total	1,452	11	83	785	491	80	2
London							
Domestic	2,574	990	279	884	370	47	4
Transborder	273	194	6	0	73	0	0
Other international	2	1	0	0	1	0	0
Total	2,849	1,185	285	884	444	47	4
Moncton/Greater Moncton International							
Domestic	3,959	1,712	1,990	1	140	110	6
Transborder	19	5	0	0	14	0	0
Other international	6	6	0	0	0	0	0
Total	3,984	1,723	1,990	1	154	110	6
Montréal/Pierre Elliott Trudeau International							
Domestic	10,429	8,953	744	32	555	141	4
Transborder	6,038	4,802	342	10	882	1	1
Other international	1,937	1,731	161	18	26	1	0
Total	18,404	15,486	1,247	60	1,463	143	5
Montréal/St-Hubert							
Domestic	5,656	2,428	598	1,600	848	99	83
Transborder	192	11	8	3	170	0	0
Other international	1	0	0	0	1	0	0
Total	5,849	2,439	606	1,603	1,019	99	83
Oshawa							
Domestic	2,017	22	119	1,045	676	135	20
Transborder	70	2	13	8	47	0	0
Other international	5	0	0	0	5	0	0
Total	2,092	24	132	1,053	728	135	20
Ottawa/Macdonald-Cartier International							
Domestic	8,727	5,454	296	2,339	184	248	206
Transborder	1,715	1,565	21	18	92	8	11
Other international	104	97	0	0	2	0	5
Total	10,546	7,116	317	2,357	278	256	222
Pitt Meadows							
Domestic	2,201	109	582	277	892	16	325
Transborder	13	0	1	2	10	0	0
Other international	0	0	0	0	0	0	0
Total	2,214	109	583	279	902	16	325

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	2,616	1,274	819	35	268	112	108
Transborder	19	0	0	1	16	1	1
Other international	1	0	1	0	0	0	0
Total	2,636	1,274	820	36	284	113	109
Québec/Jean Lesage International							
Domestic	6,520	3,255	1,956	295	664	314	36
Transborder	684	594	7	0	83	0	0
Other international	36	32	1	0	1	0	2
Total	7,240	3,881	1,964	295	748	314	38
Regina International							
Domestic	3,518	1,738	981	58	505	152	84
Transborder	413	312	2	4	91	0	4
Other international	4	4	0	0	0	0	0
Total	3,935	2,054	983	62	596	152	88
Saskatoon/John G. Diefenbaker International							
Domestic	5,610	2,954	1,289	347	642	314	64
Transborder	355	274	13	0	68	0	0
Other international	4	3	0	0	1	0	0
Total	5,969	3,231	1,302	347	711	314	64
Sault Ste. Marie							
Domestic	1,802	962	41	701	48	33	17
Transborder	14	2	0	0	11	0	1
Other international	0	0	0	0	0	0	0
Total	1,816	964	41	701	59	33	18
St. John's International							
Domestic	3,533	2,722	487	1	67	235	21
Transborder	174	68	0	1	39	0	66
Other international	250	150	4	1	32	0	63
Total	3,957	2,940	491	3	138	235	150
St-Jean							
Domestic	1,420	9	161	94	679	2	475
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,420	9	161	94	679	2	475
Thunder Bay							
Domestic	5,756	3,136	685	1,449	352	96	38
Transborder	32	8	0	1	22	0	1
Other international	2	0	1	1	0	0	0
Total	5,790	3,144	686	1,451	374	96	39
Toronto/Billy Bishop Toronto City							
Domestic	6,114	3,967	646	1,131	358	1	11
Transborder	1,730	1,636	4	0	90	0	0
Other international	2	0	0	0	2	0	0
Total	7,846	5,603	650	1,131	450	1	11
Toronto/Buttontville Municipal							
Domestic	2,742	187	1,548	40	922	45	0
Transborder	145	19	7	0	119	0	0
Other international	1	0	0	0	1	0	0
Total	2,888	206	1,555	40	1,042	45	0
Toronto/Lester B. Pearson International							
Domestic	16,665	15,719	565	19	328	16	18
Transborder	15,203	12,807	858	8	1,530	0	0
Other international	5,062	4,619	416	2	25	0	0
Total	36,930	33,145	1,839	29	1,883	16	18

Table 7-1 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements	
		Level I-III and Foreign	Level IV-VI			Civil	Military
number							
Vancouver Harbour							
Domestic	3,798	3,465	297	4	31	0	1
Transborder	4	3	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	3,802	3,468	297	4	32	0	1
Vancouver International							
Domestic	19,342	16,355	2,329	228	339	79	12
Transborder	4,861	3,942	582	45	291	0	1
Other international	1,645	1,629	7	3	4	0	2
Total	25,848	21,926	2,918	276	634	79	15
Victoria International							
Domestic	5,767	2,549	1,876	331	860	27	124
Transborder	601	447	21	3	117	0	13
Other international	1	0	1	0	0	0	0
Total	6,369	2,996	1,898	334	977	27	137
Whitehorse International							
Domestic	1,234	800	226	1	198	1	8
Transborder	24	2	0	0	21	0	1
Other international	3	1	0	0	2	0	0
Total	1,261	803	226	1	221	1	9
Windsor							
Domestic	1,584	670	634	26	242	12	0
Transborder	104	33	17	16	38	0	0
Other international	4	2	1	0	1	0	0
Total	1,692	705	652	42	281	12	0
Winnipeg/James Armstrong Richardson International							
Domestic	8,916	7,142	681	23	358	392	320
Transborder	1,103	954	18	9	111	6	5
Other international	22	15	3	0	4	0	0
Total	10,041	8,111	702	32	473	398	325
Winnipeg/St. Andrews							
Domestic	3,096	724	1,395	486	482	0	9
Transborder	7	0	0	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	3,103	724	1,395	486	489	0	9
Yellowknife							
Domestic	3,295	2,819	242	86	49	41	58
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	3,295	2,819	242	86	49	41	58
Total of NAV CANADA towers (41)							
Domestic	213,594	128,708	37,552	21,725	19,115	3,597	2,897
Transborder	41,595	33,847	2,307	195	5,027	22	197
Other international	10,213	9,166	620	43	215	1	168
Total	265,402	171,721	40,479	21,963	24,357	3,620	3,262

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	1,219	95	196	29	510	40	349
Transborder	34	3	0	0	31	0	0
Other international	0	0	0	0	0	0	0
Total	1,253	98	196	29	541	40	349
Campbell River							
Domestic	1,066	698	103	110	142	12	1
Transborder	17	5	0	0	12	0	0
Other international	3	0	2	0	1	0	0
Total	1,086	703	105	110	155	12	1
Castlegar							
Domestic	397	273	65	33	19	2	5
Transborder	3	0	1	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	400	273	66	33	21	2	5
Charlottetown							
Domestic	955	739	18	2	187	3	6
Transborder	20	8	2	2	8	0	0
Other international	2	0	0	2	0	0	0
Total	977	747	20	6	195	3	6
Churchill							
Domestic	874	731	102	0	39	2	0
Transborder	2	1	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	876	732	102	0	40	2	0
Cranbrook							
Domestic	868	668	13	18	157	2	10
Transborder	21	1	0	4	16	0	0
Other international	0	0	0	0	0	0	0
Total	889	669	13	22	173	2	10
Deer Lake							
Domestic	1,578	1,360	30	9	126	47	6
Transborder	5	2	0	0	3	0	0
Other international	1	0	0	0	1	0	0
Total	1,584	1,362	30	9	130	47	6
Fort Nelson							
Domestic	1,067	281	733	2	44	4	3
Transborder	2	0	0	0	2	0	0
Other international	1	0	1	0	0	0	0
Total	1,070	281	734	2	46	4	3
Fort St. John							
Domestic	1,665	716	697	21	211	18	2
Transborder	3	0	1	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	1,668	716	698	21	213	18	2
Grande Prairie							
Domestic	2,587	1,032	933	128	462	18	14
Transborder	10	3	0	0	7	0	0
Other international	0	0	0	0	0	0	0
Total	2,597	1,035	933	128	469	18	14
High Level							
Domestic	668	412	191	4	54	5	2
Transborder	4	4	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	672	416	191	4	54	5	2

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								
Îles-de-la-Madeleine								
Domestic	357	280	22	0	10	44	1	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	357	280	22	0	10	44	1	
Inuvik/Mike Zubko								
Domestic	928	761	142	0	5	20	0	
Transborder	1	1	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	929	762	142	0	5	20	0	
Iqaluit								
Domestic	1,446	1,148	131	1	34	122	10	
Transborder	11	3	0	0	2	0	6	
Other international	63	28	5	1	18	1	10	
Total	1,520	1,179	136	2	54	123	26	
Kamloops								
Domestic	1,934	875	448	224	325	54	8	
Transborder	13	3	0	0	10	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,947	878	448	224	335	54	8	
Kenora								
Domestic	638	352	99	95	59	21	12	
Transborder	18	1	1	0	16	0	0	
Other international	0	0	0	0	0	0	0	
Total	656	353	100	95	75	21	12	
Kingston								
Domestic	1,313	556	339	44	353	6	15	
Transborder	46	3	6	0	37	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,359	559	345	44	390	6	15	
Kuujuuaq								
Domestic	1,171	838	282	6	15	24	6	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,171	838	282	6	15	24	6	
La Grande Rivière								
Domestic	626	395	183	0	38	10	0	
Transborder	0	0	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	626	395	183	0	38	10	0	
La Ronge								
Domestic	1,322	1,210	28	13	34	34	3	
Transborder	0	0	0	0	0	0	0	
Other international	1	1	0	0	0	0	0	
Total	1,323	1,211	28	13	34	34	3	
Lethbridge								
Domestic	1,168	470	80	354	247	4	13	
Transborder	63	3	7	3	45	0	5	
Other international	0	0	0	0	0	0	0	
Total	1,231	473	87	357	292	4	18	
Lloydminster								
Domestic	933	338	148	21	399	17	10	
Transborder	6	2	0	0	4	0	0	
Other international	1	1	0	0	0	0	0	
Total	940	341	148	21	403	17	10	

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							
Medicine Hat							
Domestic	963	440	219	40	237	3	24
Transborder	3	1	0	0	2	0	0
Other international	0	0	0	0	0	0	0
Total	966	441	219	40	239	3	24
Mont-Joli							
Domestic	806	522	172	0	49	59	4
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	807	522	172	0	50	59	4
Montréal/Mirabel International							
Domestic	942	551	39	137	197	2	16
Transborder	242	220	1	0	21	0	0
Other international	2	2	0	0	0	0	0
Total	1,186	773	40	137	218	2	16
Nanaimo							
Domestic	1,597	665	442	19	412	8	51
Transborder	99	84	3	0	12	0	0
Other international	0	0	0	0	0	0	0
Total	1,696	749	445	19	424	8	51
Norman Wells							
Domestic	732	582	129	3	14	4	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	732	582	129	3	14	4	0
North Bay							
Domestic	1,472	500	402	40	489	22	19
Transborder	6	0	0	1	3	0	2
Other international	0	0	0	0	0	0	0
Total	1,478	500	402	41	492	22	21
Ottawa/Gatineau							
Domestic	1,212	104	179	276	632	8	13
Transborder	16	0	0	0	16	0	0
Other international	0	0	0	0	0	0	0
Total	1,228	104	179	276	648	8	13
Peace River							
Domestic	849	570	155	22	92	10	0
Transborder	5	1	0	0	4	0	0
Other international	0	0	0	0	0	0	0
Total	854	571	155	22	96	10	0
Penticton							
Domestic	859	327	215	46	175	28	68
Transborder	11	0	1	0	10	0	0
Other international	0	0	0	0	0	0	0
Total	870	327	216	46	185	28	68
Port Hardy							
Domestic	596	461	48	0	27	34	26
Transborder	11	2	0	0	9	0	0
Other international	0	0	0	0	0	0	0
Total	607	463	48	0	36	34	26
Prince Albert							
Domestic	1,665	1,414	31	7	132	77	4
Transborder	6	0	0	0	6	0	0
Other international	1	0	0	0	1	0	0
Total	1,672	1,414	31	7	139	77	4

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							
Rankin Inlet							
Domestic	879	823	20	0	26	10	0
Transborder	0	0	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	879	823	20	0	26	10	0
Red Deer Regional							
Domestic	1,983	402	690	252	625	14	0
Transborder	20	3	3	0	14	0	0
Other international	0	0	0	0	0	0	0
Total	2,003	405	693	252	639	14	0
Rouyn-Noranda							
Domestic	1,268	911	172	66	91	28	0
Transborder	1	1	0	0	0	0	0
Other international	0	0	0	0	0	0	0
Total	1,269	912	172	66	91	28	0
Saint John							
Domestic	1,114	748	56	60	237	3	10
Transborder	65	0	0	0	64	0	1
Other international	4	0	1	0	3	0	0
Total	1,183	748	57	60	304	3	11
Sept-Îles							
Domestic	2,324	1,415	641	18	132	100	18
Transborder	6	0	0	0	5	0	1
Other international	2	2	0	0	0	0	0
Total	2,332	1,417	641	18	137	100	19
Sioux Lookout							
Domestic	2,456	2,209	105	51	67	24	0
Transborder	3	1	0	0	2	0	0
Other international	4	4	0	0	0	0	0
Total	2,463	2,214	105	51	69	24	0
Smithers							
Domestic	971	586	287	20	57	17	4
Transborder	14	7	0	0	7	0	0
Other international	2	1	0	0	1	0	0
Total	987	594	287	20	65	17	4
St. Catharines							
Domestic	1,346	16	908	17	381	22	2
Transborder	44	1	6	1	36	0	0
Other international	2	0	1	0	1	0	0
Total	1,392	17	915	18	418	22	2
Sudbury							
Domestic	2,072	1,472	213	129	204	50	4
Transborder	8	2	3	0	3	0	0
Other international	1	0	0	0	1	0	0
Total	2,081	1,474	216	129	208	50	4
Terrace							
Domestic	1,396	814	516	10	40	16	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	1,397	814	516	10	41	16	0
Thompson							
Domestic	2,284	1,863	257	6	41	117	0
Transborder	1	0	0	0	1	0	0
Other international	0	0	0	0	0	0	0
Total	2,285	1,863	257	6	42	117	0

Table 7-2 – continued

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

	Total	Air carrier movements		Other commercial	Private	Government movements		
		Level I-III and Foreign	Level IV-VI			Civil	Military	
number								
Timmins								
Domestic	2,327	2,032	134	5	103	51	2	
Transborder	3	0	2	0	1	0	0	
Other international	0	0	0	0	0	0	0	
Total	2,330	2,032	136	5	104	51	2	
Val-d'Or								
Domestic	1,091	773	119	5	161	29	4	
Transborder	1	1	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	1,092	774	119	5	161	29	4	
Victoria Harbour								
Domestic	2,102	2,023	0	2	15	51	11	
Transborder	239	239	0	0	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	2,341	2,262	0	2	15	51	11	
Wabush								
Domestic	1,337	1,081	115	12	97	30	2	
Transborder	1	0	0	0	1	0	0	
Other international	1	0	1	0	0	0	0	
Total	1,339	1,081	116	12	98	30	2	
Whitecourt								
Domestic	715	31	156	357	167	4	0	
Transborder	2	0	0	2	0	0	0	
Other international	0	0	0	0	0	0	0	
Total	717	31	156	359	167	4	0	
Williams Lake								
Domestic	635	472	81	7	65	10	0	
Transborder	1	0	0	0	1	0	0	
Other international	0	0	0	0	0	0	0	
Total	636	472	81	7	66	10	0	
Total of all flight service stations (50)								
Domestic	62,773	38,035	11,484	2,721	8,435	1,340	758	
Transborder	1,089	606	37	13	418	0	15	
Other international	91	39	11	3	27	1	10	
Total	63,953	38,680	11,532	2,737	8,880	1,341	783	

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	12	10,322	2	15	101	2	681
Boundary Bay	13	10,233	1	13	128	16	665
Calgary International	3	21,507	23	18	64	9	816
Calgary/Springbank	6	14,696	17	13	115	29	679
Chicoutimi/St-Honoré	16	9,339	1	12	114	23	833
Edmonton International	7	14,456	9	17	49	8	571
Edmonton/Villeneuve	29	5,011	4	9	65	19	373
Fort McMurray	25	6,338	7	15	55	1	375
Fredericton International	18	8,563	9	16	59	6	531
Gander International	36	3,531	2	18	33	4	233
Halifax/Robert L. Stanfield International	22	6,951	30	11	37	30	276
Hamilton	38	3,180	27	13	31	23	175
Kelowna	21	7,038	13	13	58	7	317
Kitchener/Waterloo	20	7,961	23	14	89	23	713
Langley	33	3,872	5	19	55	9	309
London	28	5,165	23	15	54	22	383
Moncton/Greater Moncton International	23	6,882	31	8	53	21	512
Montréal/Pierre Elliott Trudeau International	4	18,524	2	16	63	9	677
Montréal/St-Hubert	9	12,475	20	15	116	31	966
Oshawa	35	3,596	19	11	51	19	324
Ottawa/Macdonald-Cartier International	5	14,766	31	9	100	31	791
Pitt Meadows	26	5,916	26	17	100	5	472
Prince George	37	3,452	29	13	55	8	217
Québec/Jean Lesage International	14	10,162	21	11	65	27	517
Regina International	27	5,404	9	17	57	20	278
Saskatoon/John G. Diefenbaker International	17	8,833	8	11	55	21	429
Sault Ste. Marie	30	4,984	22	20	94	12	427
St. John's International	31	4,081	23	12	21	15	165
St-Jean	39	3,116	12	14	57	12	349
Thunder Bay	10	11,076	29	17	123	29	728
Toronto/Billy Bishop Toronto City	15	10,074	15	8	62	19	516
Toronto/Buttonville Municipal	24	6,618	30	14	102	30	704
Toronto/Lester B. Pearson International	1	37,066	17	16	97	17	1,329
Vancouver Harbour	34	3,804	3	17	24	2	192
Vancouver International	2	25,974	3	15	82	3	986
Victoria International	8	12,713	1	13	105	1	645
Whitehorse International	41	1,571	12	13	26	12	93
Windsor	40	2,436	20	17	29	20	167
Winnipeg/James Armstrong Richardson International	11	10,771	23	19	45	23	453
Winnipeg/St. Andrews	19	8,399	20	17	96	20	717
Yellowknife	32	3,975	8	14	38	2	210

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	21	1,826	19	11	49	4	170
Campbell River	18	1,894	29	17	32	1	158
Castlegar	49	466	16	11	12	1	35
Charlottetown	34	1,171	3	14	15	3	73
Churchill	42	884	4	11	7	30	50
Cranbrook	37	1,051	3	10	18	30	62
Deer Lake	23	1,654	3	13	17	1	87
Fort Nelson	35	1,120	30	11	13	9	66
Fort St. John	19	1,846	24	16	27	7	98
Grande Prairie	2	3,973	25	14	50	7	243
High Level	45	702	2	11	10	2	66
Îles-de-la-Madeleine	50	379	9	14	4	2	17
Inuvik/Mike Zubko	38	961	22	11	11	9	67
Iqaluit	24	1,566	15	14	25	15	122
Kamloops	6	2,691	11	13	34	12	158
Kenora	43	864	14	19	20	14	85
Kingston	17	2,021	27	19	53	24	188
Kuujuuaq	33	1,221	10	17	11	10	63
La Grande Rivière	48	626	13	11	8	13	32
La Ronge	30	1,429	20	11	15	9	89
Lethbridge	16	2,039	31	14	60	31	200
Lloydminster	27	1,490	16	19	29	20	90
Medicine Hat	31	1,296	17	19	20	1	66
Mont-Joli	44	817	4	11	8	1	40
Montréal/Mirabel International	5	2,952	5	17	38	11	165
Nanaimo	7	2,674	19	12	39	5	212
Norman Wells	39	927	24	20	19	24	86
North Bay	4	3,178	13	12	59	22	302
Ottawa/Gatineau	3	3,214	30	10	50	22	245
Peace River	40	922	22	8	14	22	61
Penticton	15	2,150	22	16	49	28	225
Port Hardy	46	667	4	13	23	6	39
Prince Albert	20	1,834	3	14	29	3	99
Rankin Inlet	41	905	4	14	10	13	50
Red Deer Regional	1	4,139	21	13	43	21	275
Rouyn-Noranda	26	1,507	21	16	22	23	123
Saint John	22	1,681	11	9	26	6	121
Sept-Îles	10	2,434	19	15	30	2	117
Sioux Lookout	9	2,501	2	17	16	21	115
Smithers	36	1,051	23	10	23	23	69
St. Catharines	14	2,236	2	11	35	2	188
Sudbury	8	2,645	22	15	38	22	178
Terrace	29	1,459	14	16	15	2	80
Thompson	13	2,345	28	18	25	28	129
Timmins	11	2,434	23	19	23	23	129
Val-d'Or	32	1,282	24	13	23	24	94
Victoria Harbour	12	2,369	1	8	16	2	109
Wabush	25	1,545	3	17	24	3	103
Whitecourt	28	1,487	31	15	41	21	164
Williams Lake	47	660	1	13	13	1	41

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	24	3,380	9	16	25	2	207
Boundary Bay	19	4,109	9	15	46	3	266
Calgary International	3	21,381	9	18	62	9	814
Calgary/Springbank	13	5,880	19	9	36	19	284
Chicoutimi/St-Honoré	36	1,965	22	11	23	23	147
Edmonton International	5	14,352	9	17	49	8	559
Edmonton/Villeneuve	35	2,003	19	15	35	19	253
Fort McMurray	16	5,646	7	9	32	7	266
Fredericton International	17	4,785	6	9	26	6	305
Gander International	33	2,163	1	17	14	2	130
Halifax/Robert L. Stanfield International	10	6,679	2	19	20	9	254
Hamilton	31	2,326	3	0	12	30	105
Kelowna	18	4,522	13	13	22	14	183
Kitchener/Waterloo	27	2,983	23	14	33	23	251
Langley	39	1,452	9	14	17	9	125
London	29	2,849	22	17	21	22	181
Moncton/Greater Moncton International	20	3,984	31	11	22	21	248
Montréal/Pierre Elliott Trudeau International	4	18,404	2	16	63	2	673
Montréal/St-Hubert	14	5,849	31	11	49	31	398
Oshawa	34	2,092	10	16	37	19	196
Ottawa/Macdonald-Cartier International	6	10,546	31	9	52	31	441
Pitt Meadows	32	2,214	5	13	38	5	278
Prince George	30	2,636	4	13	32	4	181
Québec/Jean Lesage International	9	7,240	3	15	37	2	342
Regina International	22	3,935	9	17	57	9	204
Saskatoon/John G. Diefenbaker International	12	5,969	20	16	26	21	275
Sault Ste. Marie	37	1,816	21	17	16	21	120
St. John's International	21	3,957	22	13	16	15	161
St-Jean	40	1,420	11	13	40	12	281
Thunder Bay	15	5,790	15	16	31	15	300
Toronto/Billy Bishop Toronto City	8	7,846	26	15	36	10	323
Toronto/Buttonville Municipal	28	2,888	27	14	30	23	241
Toronto/Lester B. Pearson International	1	36,930	17	16	97	17	1,327
Vancouver Harbour	23	3,802	3	17	24	2	192
Vancouver International	2	25,848	29	8	79	2	938
Victoria International	11	6,369	9	16	36	9	287
Whitehorse International	41	1,261	2	8	13	1	74
Windsor	38	1,692	26	16	13	10	100
Winnipeg/James Armstrong Richardson International	7	10,041	22	18	34	2	385
Winnipeg/St. Andrews	26	3,103	10	14	27	23	194
Yellowknife	25	3,295	15	9	20	8	153

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	22	1,253	18	10	38	4	154
Campbell River	29	1,086	24	12	11	1	54
Castlegar	49	400	1	16	9	1	35
Charlottetown	32	977	7	18	8	6	51
Churchill	38	876	18	12	7	30	50
Cranbrook	36	889	4	11	10	27	40
Deer Lake	13	1,584	1	13	10	1	79
Fort Nelson	30	1,070	30	11	13	9	64
Fort St. John	12	1,668	24	16	17	8	89
Grande Prairie	1	2,597	2	9	17	7	125
High Level	44	672	2	11	10	2	66
Îles-de-la-Madeleine	50	357	9	14	4	31	17
Inuvik/Mike Zubko	35	929	22	11	11	9	67
Iqaluit	14	1,520	15	14	19	15	116
Kamloops	9	1,947	8	14	14	24	91
Kenora	45	656	1	12	6	14	43
Kingston	18	1,359	11	15	15	10	84
Kuujuuaq	27	1,171	6	17	9	10	61
La Grande Rivière	47	626	13	11	8	13	32
La Ronge	20	1,323	3	9	10	9	77
Lethbridge	23	1,231	31	12	15	31	70
Lloydminster	34	940	8	16	11	23	55
Medicine Hat	33	966	9	10	10	9	49
Mont-Joli	41	807	4	11	8	1	40
Montréal/Mirabel International	25	1,186	12	12	17	11	93
Nanaimo	10	1,696	19	12	17	19	84
Norman Wells	42	732	10	11	10	9	44
North Bay	15	1,478	13	12	23	12	147
Ottawa/Gatineau	24	1,228	11	10	19	12	108
Peace River	40	854	8	18	9	8	53
Penticton	39	870	6	11	9	30	41
Port Hardy	48	607	9	16	10	6	39
Prince Albert	11	1,672	21	15	13	8	84
Rankin Inlet	37	879	13	18	9	13	50
Red Deer Regional	8	2,003	10	12	15	3	109
Rouyn-Noranda	21	1,269	3	15	11	21	72
Saint John	26	1,183	11	9	10	9	57
Sept-Îles	4	2,332	10	17	16	23	105
Sioux Lookout	2	2,463	2	17	16	21	115
Smithers	31	987	14	13	11	1	62
St. Catharines	17	1,392	11	11	18	11	105
Sudbury	7	2,081	19	17	13	22	104
Terrace	16	1,397	2	15	11	2	80
Thompson	6	2,285	2	14	12	2	116
Timmins	5	2,330	24	15	14	23	103
Val-d'Or	28	1,092	13	13	11	22	60
Victoria Harbour	3	2,341	1	8	16	2	109
Wabush	19	1,339	14	12	11	1	71
Whitecourt	43	717	21	10	11	21	60
Williams Lake	46	636	6	9	9	6	30

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	3	6,942	15	11	86	2	474
Boundary Bay	6	6,124	1	13	98	16	402
Calgary International	37	126	26	9	22	25	32
Calgary/Springbank	1	8,816	17	13	88	29	482
Chicoutimi/St-Honoré	2	7,374	23	20	104	23	686
Edmonton International	40	104	22	8	10	4	12
Edmonton/Villeneuve	15	3,008	4	9	46	13	202
Fort McMurray	31	692	7	15	34	1	118
Fredericton International	11	3,778	9	16	38	12	256
Gander International	26	1,368	21	21	30	11	138
Halifax/Robert L. Stanfield International	34	272	30	11	22	30	48
Hamilton	27	854	27	13	22	24	80
Kelowna	19	2,516	2	11	40	29	142
Kitchener/Waterloo	9	4,978	23	20	62	30	484
Langley	20	2,420	5	19	48	9	184
London	21	2,316	23	15	42	22	202
Moncton/Greater Moncton International	17	2,898	31	8	42	21	264
Montréal/Pierre Elliott Trudeau International	39	120	25	14	22	25	42
Montréal/St-Hubert	4	6,626	1	14	90	31	568
Oshawa	24	1,504	14	10	38	30	152
Ottawa/Macdonald-Cartier International	10	4,220	31	11	60	31	350
Pitt Meadows	13	3,702	26	17	84	2	288
Prince George	28	816	29	13	48	8	92
Québec/Jean Lesage International	16	2,922	14	11	48	27	236
Regina International	25	1,469	20	14	28	20	138
Saskatoon/John G. Diefenbaker International	18	2,864	16	16	38	16	174
Sault Ste. Marie	14	3,168	22	20	86	12	338
St. John's International	38	124	7	10	6	7	14
St-Jean	23	1,696	19	12	46	19	122
Thunder Bay	8	5,286	29	17	108	29	516
Toronto/Billy Bishop Toronto City	22	2,228	15	8	40	19	210
Toronto/Buttonville Municipal	12	3,730	30	14	88	30	528
Toronto/Lester B. Pearson International	35	136	29	11	16	29	28
Vancouver Harbour	41	2	30	15	2	30	2
Vancouver International	36	126	3	15	22	3	48
Victoria International	5	6,344	1	13	78	21	394
Whitehorse International	33	310	13	15	20	12	44
Windsor	29	744	20	17	22	20	100
Winnipeg/James Armstrong Richardson International	30	730	1	20	16	23	76
Winnipeg/St. Andrews	7	5,296	20	17	78	20	556
Yellowknife	32	680	8	14	28	7	72

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	14	573	8	11	28	8	65
Campbell River	10	808	8	20	30	1	104
Castlegar	33	66	11	12	10	16	14
Charlottetown	23	194	2	20	12	3	24
Churchill	49	8	4	11	4	4	4
Cranbrook	27	162	3	10	14	30	30
Deer Lake	31	70	3	13	12	3	18
Fort Nelson	39	50	7	16	4	14	6
Fort St. John	25	178	25	16	20	25	50
Grande Prairie	5	1,376	14	13	36	7	118
High Level	43	30	9	19	8	9	8
Îles-de-la-Madeleine	47	22	2	11	2	16	4
Inuvik/Mike Zubko	42	32	20	20	6	20	10
Iqaluit	40	46	31	15	12	31	20
Kamloops	12	744	9	10	26	12	78
Kenora	20	208	14	19	18	14	42
Kingston	13	662	27	19	50	24	116
Kuujuuaq	38	50	13	15	4	12	10
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	28	106	19	19	10	15	14
Lethbridge	9	808	31	14	54	31	130
Lloydminster	16	550	16	19	24	20	52
Medicine Hat	18	330	17	19	18	17	32
Mont-Joli	48	10	21	15	4	21	6
Montréal/Mirabel International	3	1,766	5	17	38	5	146
Nanaimo	7	978	19	11	28	5	152
Norman Wells	22	195	24	20	16	24	46
North Bay	4	1,700	22	10	46	22	210
Ottawa/Gatineau	2	1,986	22	20	44	22	200
Peace River	32	68	22	8	10	22	26
Penticton	6	1,280	22	16	46	28	188
Port Hardy	37	60	4	13	20	4	20
Prince Albert	26	162	3	15	22	3	44
Rankin Inlet	45	26	4	14	6	4	12
Red Deer Regional	1	2,136	20	20	32	21	180
Rouyn-Noranda	19	238	22	20	18	23	60
Saint John	17	498	6	11	22	28	72
Sept-Îles	30	102	19	15	26	19	32
Sioux Lookout	41	38	4	19	10	6	12
Smithers	34	64	23	10	18	23	28
St. Catharines	8	844	2	11	26	2	110
Sudbury	15	564	22	15	26	22	74
Terrace	35	62	14	16	8	23	14
Thompson	36	60	28	18	18	28	26
Timmins	29	104	23	19	14	23	26
Val-d'Or	24	190	3	11	16	24	38
Victoria Harbour	44	28	21	12	4	21	6
Wabush	21	206	11	14	20	11	50
Whitecourt	11	770	31	15	36	23	120
Williams Lake	46	24	1	13	12	1	12

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	3	6,942	15	11	86	2	474
Boundary Bay	6	6,124	1	13	98	16	402
Calgary International	36	126	26	9	22	25	32
Calgary/Springbank	1	8,816	17	13	88	29	482
Chicoutimi/St-Honoré	2	7,366	23	20	104	23	686
Edmonton International	40	104	22	8	10	4	12
Edmonton/Villeneuve	15	3,008	4	9	46	13	202
Fort McMurray	31	680	7	15	34	1	118
Fredericton International	11	3,778	9	16	38	12	256
Gander International	25	1,368	21	21	30	11	138
Halifax/Robert L. Stanfield International	34	264	30	11	22	30	46
Hamilton	27	850	27	13	22	24	80
Kelowna	19	2,506	2	11	40	29	142
Kitchener/Waterloo	9	4,978	23	20	62	30	484
Langley	20	2,420	5	19	48	9	184
London	21	2,316	23	15	42	22	202
Moncton/Greater Moncton International	17	2,890	31	8	42	21	264
Montréal/Pierre Elliott Trudeau International	39	120	25	14	22	25	42
Montréal/St-Hubert	4	6,624	1	14	90	31	568
Oshawa	24	1,504	14	10	38	30	152
Ottawa/Macdonald-Cartier International	10	4,214	31	11	60	31	350
Pitt Meadows	13	3,702	26	17	84	2	288
Prince George	28	816	29	13	48	8	92
Québec/Jean Lesage International	16	2,918	14	11	48	27	236
Regina International	26	1,139	23	10	26	20	112
Saskatoon/John G. Diefenbaker International	18	2,774	16	16	38	16	174
Sault Ste. Marie	14	3,164	22	20	86	12	338
St. John's International	38	122	7	10	6	7	14
St-Jean	23	1,696	19	12	46	19	122
Thunder Bay	8	5,272	29	17	108	29	512
Toronto/Billy Bishop Toronto City	22	2,228	15	8	40	19	210
Toronto/Buttonville Municipal	12	3,730	30	14	88	30	528
Toronto/Lester B. Pearson International	35	136	29	11	16	29	28
Vancouver Harbour	41	2	30	15	2	30	2
Vancouver International	37	126	3	15	22	3	48
Victoria International	5	6,338	1	13	78	21	394
Whitehorse International	33	310	13	15	20	12	44
Windsor	29	744	20	17	22	20	100
Winnipeg/James Armstrong Richardson International	30	730	1	20	16	23	76
Winnipeg/St. Andrews	7	5,296	20	17	78	20	556
Yellowknife	32	680	8	14	28	7	72

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	14	573	8	11	28	8	65
Campbell River	10	802	8	20	30	1	104
Castlegar	34	62	11	12	10	16	14
Charlottetown	23	190	2	20	12	3	24
Churchill	49	8	4	11	4	4	4
Cranbrook	26	160	3	10	14	30	30
Deer Lake	31	70	3	13	12	3	18
Fort Nelson	38	50	7	16	4	14	6
Fort St. John	25	178	25	16	20	25	50
Grande Prairie	5	1,376	14	13	36	7	118
High Level	43	30	9	19	8	9	8
Îles-de-la-Madeleine	47	18	2	11	2	2	2
Inuvik/Mike Zubko	42	32	20	20	6	20	10
Iqaluit	39	46	31	15	12	31	20
Kamloops	12	738	9	10	26	12	78
Kenora	20	208	14	19	18	14	42
Kingston	13	662	27	19	50	24	116
Kuuujuaq	37	50	13	15	4	12	10
La Grande Rivière	0	0	0	0	0	0	0
La Ronge	28	106	19	19	10	15	14
Lethbridge	9	802	31	14	54	31	130
Lloydminster	16	538	16	19	24	20	52
Medicine Hat	18	326	17	19	18	17	32
Mont-Joli	48	10	21	15	4	21	6
Montréal/Mirabel International	3	1,740	5	17	38	5	146
Nanaimo	7	976	19	11	28	5	152
Norman Wells	22	195	24	20	16	24	46
North Bay	4	1,694	22	10	46	22	210
Ottawa/Gatineau	2	1,986	22	20	44	22	200
Peace River	32	68	22	8	10	22	26
Penticton	6	1,278	22	16	46	28	188
Port Hardy	41	36	14	11	14	14	14
Prince Albert	27	156	3	15	22	3	44
Rankin Inlet	45	26	4	14	6	4	12
Red Deer Regional	1	2,136	20	20	32	21	180
Rouyn-Noranda	19	238	22	20	18	23	60
Saint John	17	498	6	11	22	28	72
Sept-Îles	30	100	19	15	26	19	32
Sioux Lookout	40	38	4	19	10	6	12
Smithers	33	64	23	10	18	23	28
St. Catharines	8	844	2	11	26	2	110
Sudbury	15	564	22	15	26	22	74
Terrace	35	62	14	16	8	23	14
Thompson	36	60	28	18	18	28	26
Timmins	29	104	23	19	14	23	26
Val-d'Or	24	190	3	11	16	24	38
Victoria Harbour	44	28	21	12	4	21	6
Wabush	21	198	11	14	20	11	50
Whitecourt	11	766	31	15	36	23	118
Williams Lake	46	24	1	13	12	1	12

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	8	8	6	15	6	6	8
Edmonton International	0	0	0	0	0	0	0
Edmonton/Villeneuve	0	0	0	0	0	0	0
Fort McMurray	4	12	10	12	4	10	4
Fredericton International	0	0	0	0	0	0	0
Gander International	0	0	0	0	0	0	0
Halifax/Robert L. Stanfield International	6	8	1	12	2	1	2
Hamilton	11	4	8	17	4	8	4
Kelowna	5	10	3	17	4	3	6
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	7	8	1	12	2	1	2
Montréal/Pierre Elliott Trudeau International	0	0	0	0	0	0	0
Montréal/St-Hubert	15	2	10	15	2	10	2
Oshawa	0	0	0	0	0	0	0
Ottawa/Macdonald-Cartier International	9	6	8	19	2	10	4
Pitt Meadows	0	0	0	0	0	0	0
Prince George	0	0	0	0	0	0	0
Québec/Jean Lesage International	13	4	5	19	4	5	4
Regina International	1	330	6	14	8	7	30
Saskatoon/John G. Diefenbaker International	2	90	17	12	8	17	12
Sault Ste. Marie	12	4	7	16	2	7	2
St. John's International	14	2	2	23	2	2	2
St-Jean	0	0	0	0	0	0	0
Thunder Bay	3	14	21	18	6	21	6
Toronto/Billy Bishop Toronto City	0	0	0	0	0	0	0
Toronto/Buttonville Municipal	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	10	6	2	10	2	2	2
Whitehorse International	0	0	0	0	0	0	0
Windsor	0	0	0	0	0	0	0
Winnipeg/James Armstrong Richardson International	0	0	0	0	0	0	0
Winnipeg/St. Andrews	0	0	0	0	0	0	0
Yellowknife	0	0	0	0	0	0	0

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	0	0	0	0	0	0	0
Campbell River	7	6	7	11	2	7	2
Castlegar	11	4	3	16	2	3	2
Charlottetown	12	4	2	8	2	2	2
Churchill	0	0	0	0	0	0	0
Cranbrook	15	2	3	12	2	3	2
Deer Lake	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
Grande Prairie	0	0	0	0	0	0	0
High Level	0	0	0	0	0	0	0
Îles-de-la-Madeleine	10	4	16	10	2	16	2
Inuvik/Mike Zubko	0	0	0	0	0	0	0
Iqaluit	0	0	0	0	0	0	0
Kamloops	8	6	5	12	2	5	2
Kenora	0	0	0	0	0	0	0
Kingston	0	0	0	0	0	0	0
Kuujuuaq	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	6	6	8	16	2	8	2
Lloydminster	3	12	15	11	8	15	8
Medicine Hat	13	4	10	16	2	10	4
Mont-Joli	0	0	0	0	0	0	0
Montréal/Mirabel International	1	26	24	12	16	24	16
Nanaimo	16	2	30	11	2	30	2
Norman Wells	0	0	0	0	0	0	0
North Bay	5	6	8	19	2	8	2
Ottawa/Gatineau	0	0	0	0	0	0	0
Peace River	0	0	0	0	0	0	0
Penticton	18	2	3	16	2	3	2
Port Hardy	2	24	4	13	20	4	20
Prince Albert	9	6	6	13	2	6	2
Rankin Inlet	0	0	0	0	0	0	0
Red Deer Regional	0	0	0	0	0	0	0
Rouyn-Noranda	0	0	0	0	0	0	0
Saint John	0	0	0	0	0	0	0
Sept-Îles	17	2	24	18	2	24	2
Sioux Lookout	0	0	0	0	0	0	0
Smithers	0	0	0	0	0	0	0
St. Catharines	0	0	0	0	0	0	0
Sudbury	0	0	0	0	0	0	0
Terrace	0	0	0	0	0	0	0
Thompson	0	0	0	0	0	0	0
Timmins	0	0	0	0	0	0	0
Val-d'Or	0	0	0	0	0	0	0
Victoria Harbour	0	0	0	0	0	0	0
Wabush	4	8	25	18	4	25	8
Whitecourt	14	4	23	10	2	23	2
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. Monthly data by class of operation are released in Aircraft movement statistics - Monthly report, catalogue nos. 51-007-X and 51-008-X (TP-141). Annual tables, which may reflect revisions, are released in the two annual publications, catalogue 51-209-X Aircraft movement statistics – NAV CANADA Towers and Flight Service Stations: Annual report (TP-577) and catalogue 51-210-X Aircraft movement statistics – Airports Without Air Traffic Control Towers: 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 51-209-X and 51-210-X, they are contained in the five year historical summary of subsequent editions of these reports. 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, maximum 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 Aviation Statistics Centre 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

A simulated air crash took place in October 2014, on one of the runways at the Montréal/Saint-Hubert Airport. The exercise was designed to test the effectiveness of the emergency measures plan, in accordance with Transport Canada requirements.

Effective July 24th, 2014, NAV CANADA terminated the services provided by the Flight Service Station located at Prince Rupert Airport. The airport remains operational.

On July 23rd and 24th, 2014, Air Canada halted flights to Tel Aviv, Israel due to a rocket strike near its main airport.

On June 28th, 2014, Calgary International Airport opened a new runway. The new runway will be the longest in Canada, capable of landing the largest aircraft in the world with fewer payload restrictions.

Effective June 27th, 2014, WestJet Encore began service between Toronto/Lester B. Pearson International Airport and Thunder Bay Airport, as well as service between Thunder Bay Airport and Winnipeg/James Armstrong Richardson International Airport.

As of June 25th, 2014, China Eastern Airlines commenced flights from Toronto/Lester B. Pearson International Airport to Shanghai, China to supplement increasing demand for flights to and from Chinese destinations. And Cathay Pacific Airline, which has been flying out of Vancouver for 31 years, flies twice-daily non-stop from Vancouver International Airport to Hong Kong. The airline also offers flights 10 times a week between Toronto/Lester B. Pearson International Airport and Hong Kong.

Starting June 24th, 2014, WestJet commenced non-stop service twice per week between Las Vegas, Nevada and Fort McMurray Airport.

Effective June 20th, 2014, Canadian North Airlines began a seasonal non-stop flight service between Iqaluit Airport and Halifax/Robert L. Stanfield International Airport, with same plane service to St John's International.

On June 15th, 2014, WestJet launched its first transatlantic flight between Toronto/Lester B. Pearson International Airport and Dublin, Ireland. The inaugural flight stopped at St John's International Airport for refueling.

On June 1st, 2014, British Airways began to operate 19 flights per week between Toronto/Lester B. Pearson International Airport and London, England, with the introduction of additional flights on Wednesdays, Saturdays and Sundays.

Beginning May 12th, 2014, WestJet Encore added new daily non-stop service between Fort McMurray Airport and Kelowna Airport and between Fort McMurray and Vancouver International Airport.

Starting May 5th, 2014, KLM Royal Dutch Airlines launched non-stop service between Edmonton International Airport and Amsterdam's Schiphol Airport.

As of May 1st, 2014, Air Canada rouge began flying year-round service between Toronto/Lester B. Pearson International Airport and Dublin, Ireland.

Air Canada rouge will operate five new routes from Vancouver International Airport by the end of 2014, beginning with a daily service to Las Vegas, Nevada on April 28th. The airline will also offer daily services to Los Angeles, California (beginning May 1st), Anchorage, Alaska (beginning May 16th), San Francisco, California (beginning July 1st) and Phoenix, Arizona (beginning December 17th).

Effective April 1st, 2014, Bearskin Airlines cancelled its service from Kitchener-Waterloo Airport to Ottawa/Macdonald-Cartier International Airport.

On March 12th, 2014 a significant winter storm struck Eastern Canada forcing dozens of flight cancellations and delays at Eastern Canadian airports.

On February 24th, 2014, a major winter storm with freezing temperatures struck the south-west coast of British Columbia forcing flight cancellations and delays at Vancouver International Airport and Victoria International Airport.

On January 7th, 2014, Toronto/Lester B. Pearson International Airport experienced a ground stop caused by extreme cold which prevented North American flights from landing for approximately eight hours.

Significant winter storms struck much of Ontario, Quebec and the Maritime provinces forcing flight cancellations and delays across Canada in December 2013.

On November 30th, 2013 (4:49pm), Edmonton City Centre Airport officially closed.

On November 25th, 2013, Air Canada rouge began year round flying between Toronto/Lester B. Pearson International Airport and Orlando, Florida with 3 daily departures and two more starting on December 14th, 2013.

On October 28th, 2013, Westjet launched a new non-stop seasonal service between Calgary International Airport and Miami International Airport. The airline will start service four times a week until December 14th. Effective December 16th the service increases to six times weekly.

On October 27th, 2013, Air Canada rouge launched service between Toronto/Lester B. Pearson International Airport and Las Vegas. The airline will offer ten flights per week for the winter 2013-2014 season.

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: Effective 2010, this includes every Canadian air carrier that, in the calendar year immediately preceding the reporting year, transported at least 2 million revenue passengers or at least 400 thousand tonnes of cargo.

Level II: Effective 2010, this includes every Canadian air carrier that, in the calendar year immediately preceding the reporting year, transported at least 100 thousand, but fewer than 2 million revenue passengers, or at least 50 thousand but less than 400 thousand tonnes of cargo.

Level III. Effective 2010, this includes every Canadian air carrier not classified in reporting level I or II that, in the calendar year immediately preceding the reporting year, realized gross revenues of at least 2 million dollars for the provision of air services for which the air carrier held a licence.

Level IV. Effective 2010, this includes every Canadian air carrier not classified in reporting level I, II or III that, in the calendar year immediately preceding the reporting year, realized gross revenues of less than 2 million dollars for the provision of air services for which the air carrier held a licence.

Aircraft movement

A take off, a landing, or a simulated approach by an aircraft as defined in the NAV CANADA Air Traffic Control Manual of Operations (ATC MANOPS).

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.

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, 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 Halifax airport from London, England would appear under "other international". If the same aircraft moved on to Toronto, both the departure at Halifax 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.

Maximum 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.

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.