



# Climate

# Summary

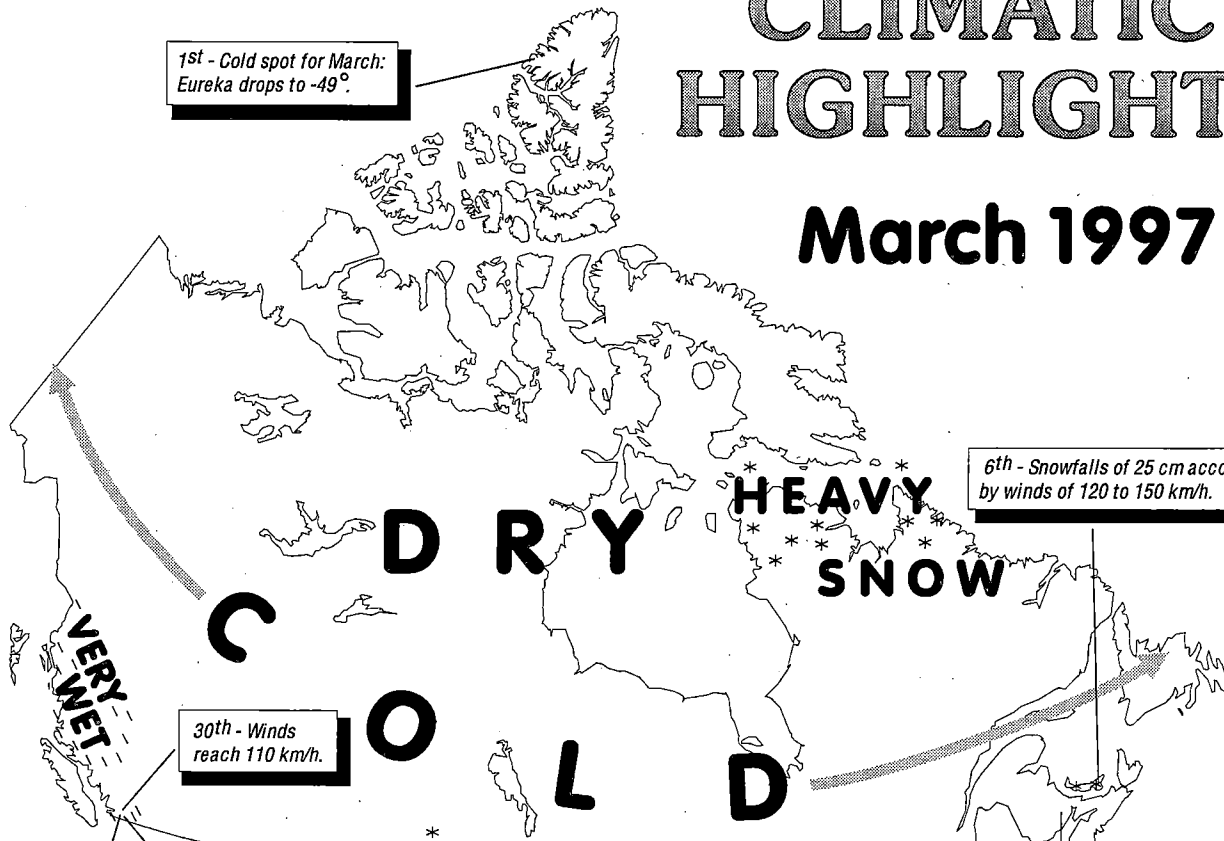
March 1997

Monthly review of Canadian climate and water

vol. 2

## CLIMATIC HIGHLIGHTS

### March 1997



CANADIAN CLIMATE SUMMARY  
VOLUME 1

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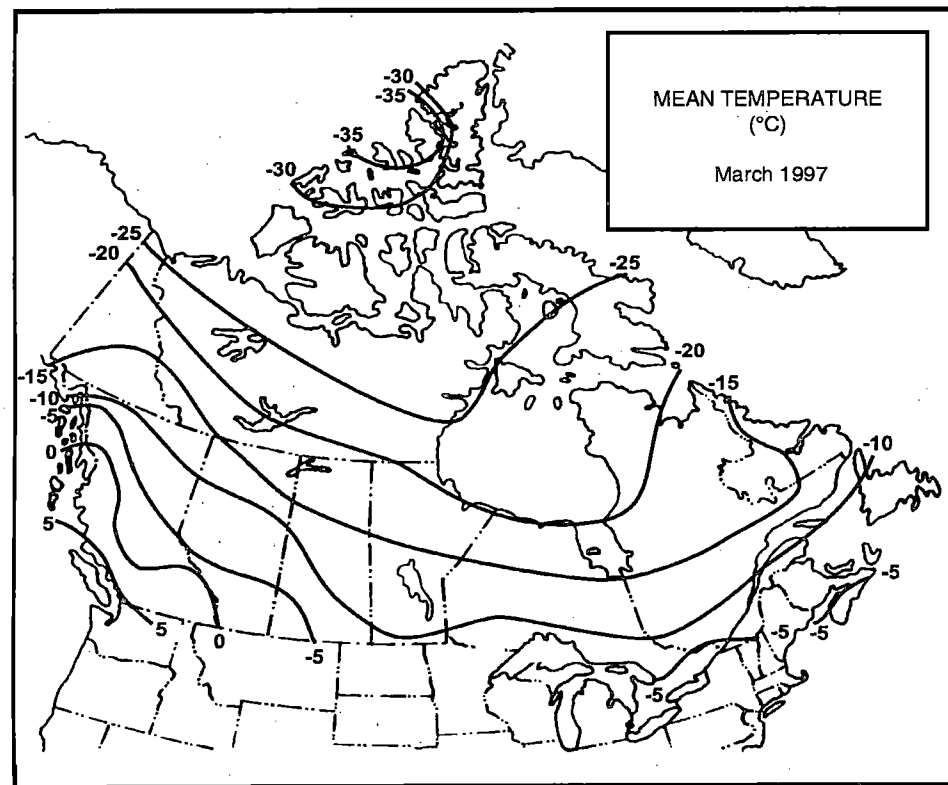
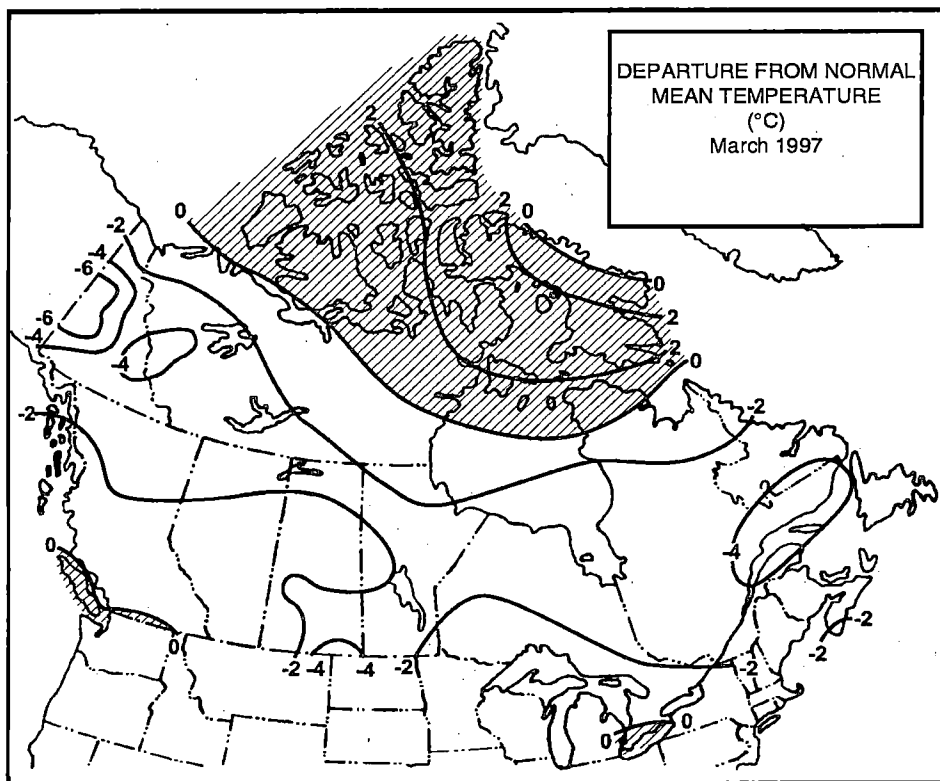
Climatic Summary is a monthly publication (disponible aussi en français) of the Canadian Meteorological Centre, Atmospheric Environment Service, 4905 Dufferin St., Downsview, Ontario, Canada M3H 5T4

The data in this publication are based on unverified reports from approximately 225 Canadian synoptic weather stations. Articles do not necessarily reflect the views of the Department.

ISSN 1207-8514

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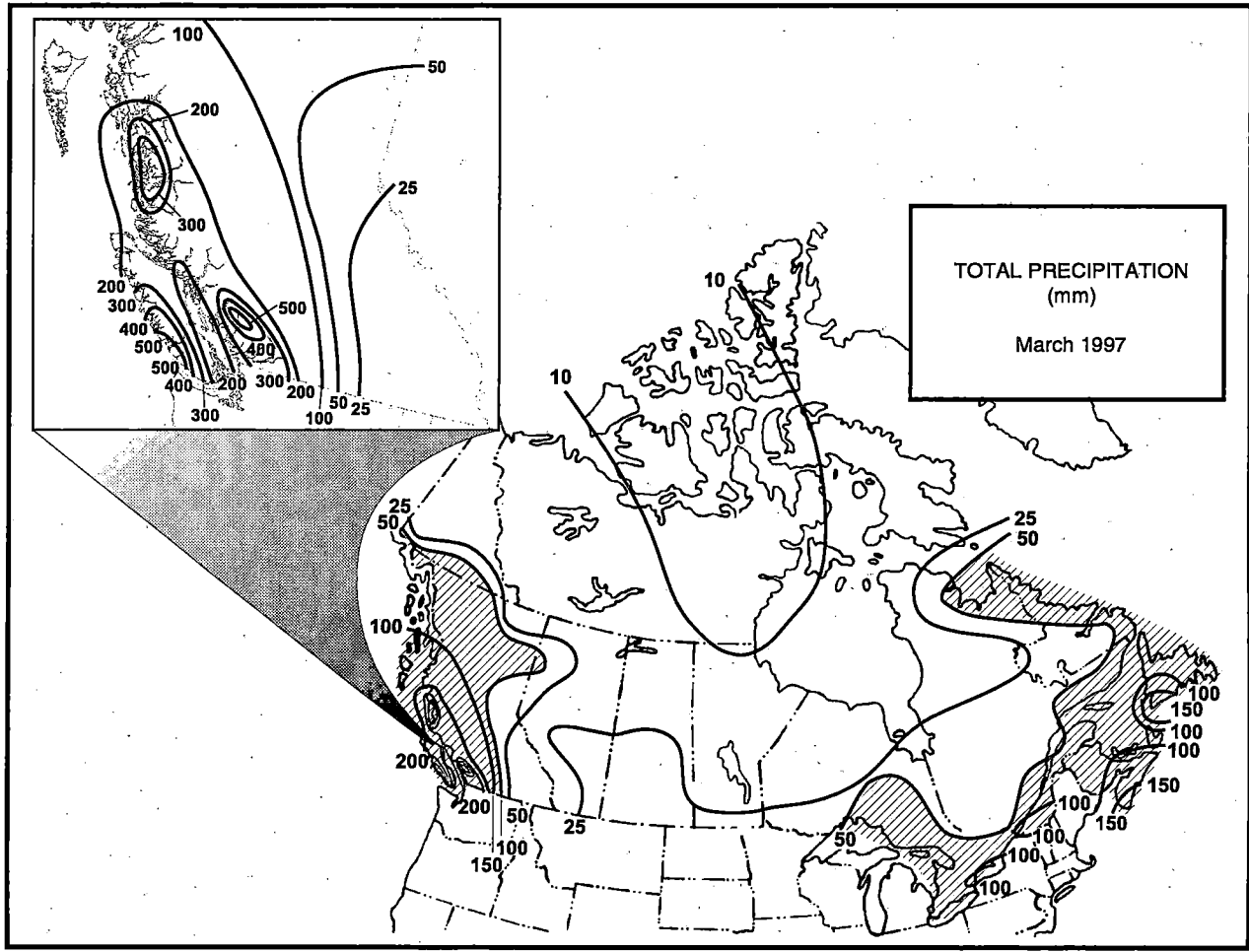
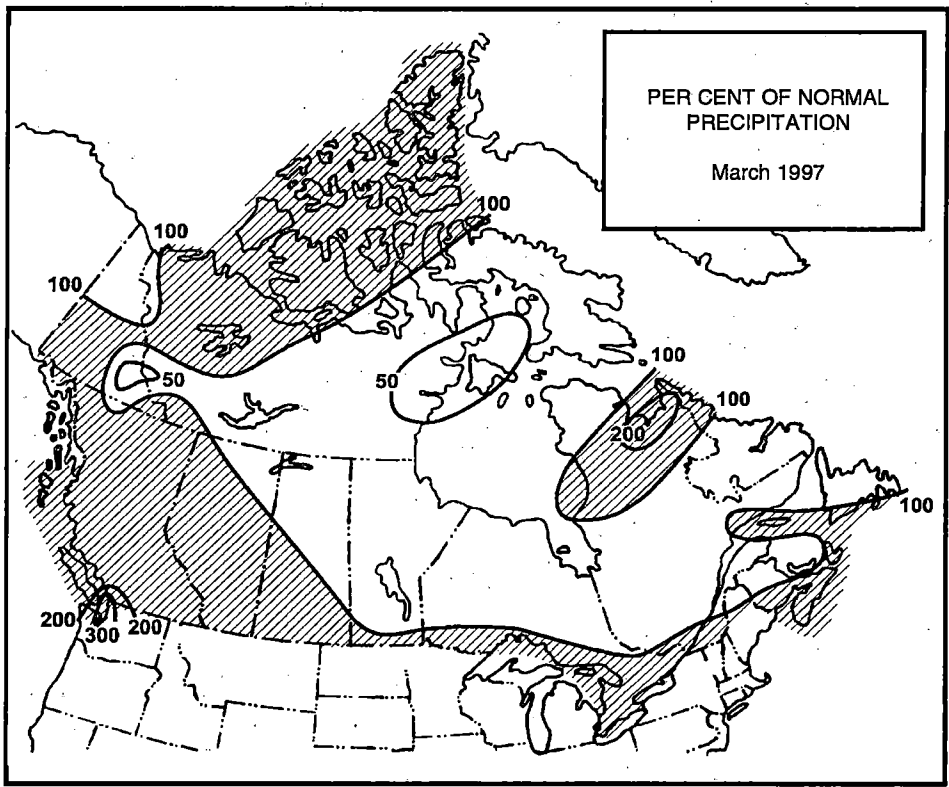


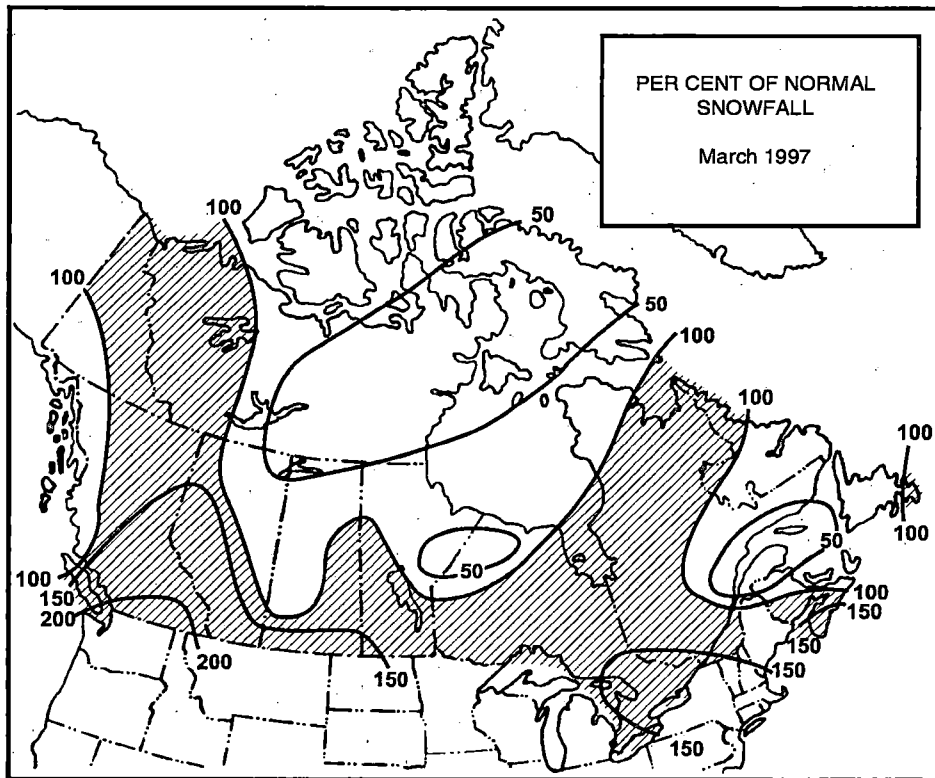
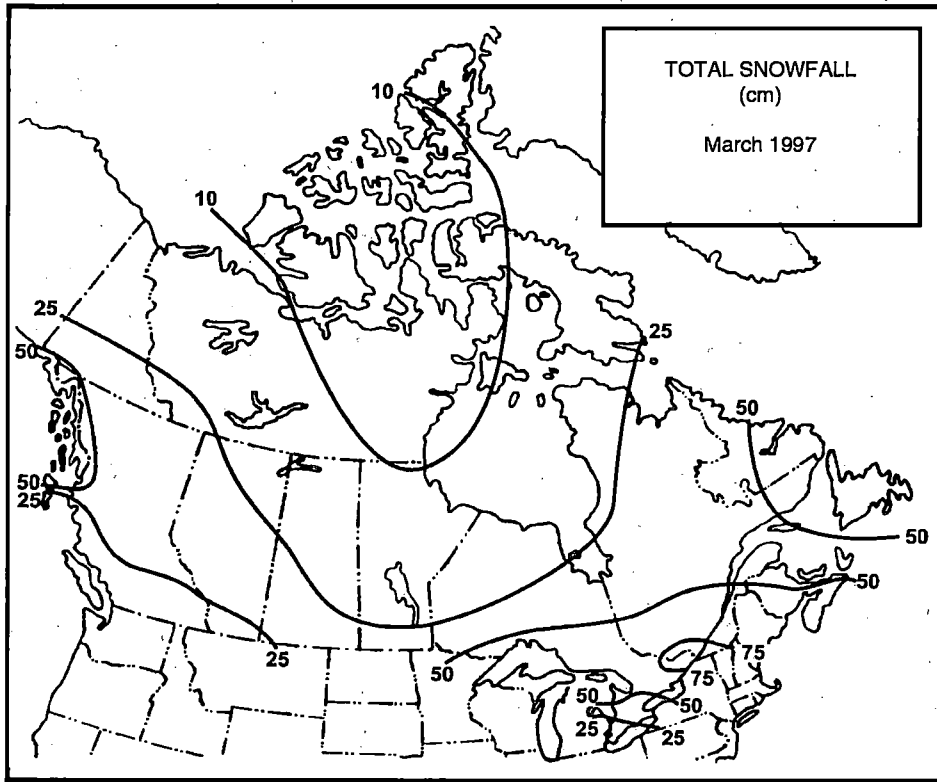
## Weather Extremes, March 1997

		Maximum temperature (°C)		Minimum temperature (°C)		Greatest precipitation (mm)
<b>British Columbia</b>	KAMLOOPS A	19.5		DEASE LAKE	-30.4	SQUAMISH 507.8
<b>Yukon Territory</b>	CARMACKS	6.0		OGILVIE RIVER	-45.0	WATSON LAKE 41.9
<b>Northwest Territories</b>	PANGNIRTUNG	2.9		EUREKA	-48.5	CAPE DORSET A 25.5
<b>Alberta</b>	MEDICINE HAT A	19.6		FORT CHIPEWYAN A	-36.6	ELNORA 41.9
<b>Saskatchewan</b>	CORONACH SPC	21.8		STONY RAPIDS A	-40.5	AMULET 53.6
<b>Manitoba</b>	BOISSEVAIN	15.5		THOMPSON A	-41.3	RENNIE 37.7
<b>Ontario</b>	BELLE RIVER	21.8		BIG TROUT LAKE	-40.7	TRENTON A 108.3
<b>Quebec</b>	LENNOXVILLE	18.2		BONNARD 1	-43.2	MCTAVISH 114.2
<b>New Brunswick</b>	ST STEPHEN	9.2		CHARLO A	-25.7	MONCTON A 125.7
<b>Nova Scotia</b>	TRURO	12.1		TRURO	-20.9	TUSKET 186.4
<b>Prince Edward Island</b>	CHARLOTTETOWN A	6.9		CHARLOTTETOWN A	-22.5	CHARLOTTETOWN A 731
<b>Newfoundland</b>	ARGENTIA	8.8		BADGER	-37.8	PORT AUX BASQUES 167.2

### Across The Country...

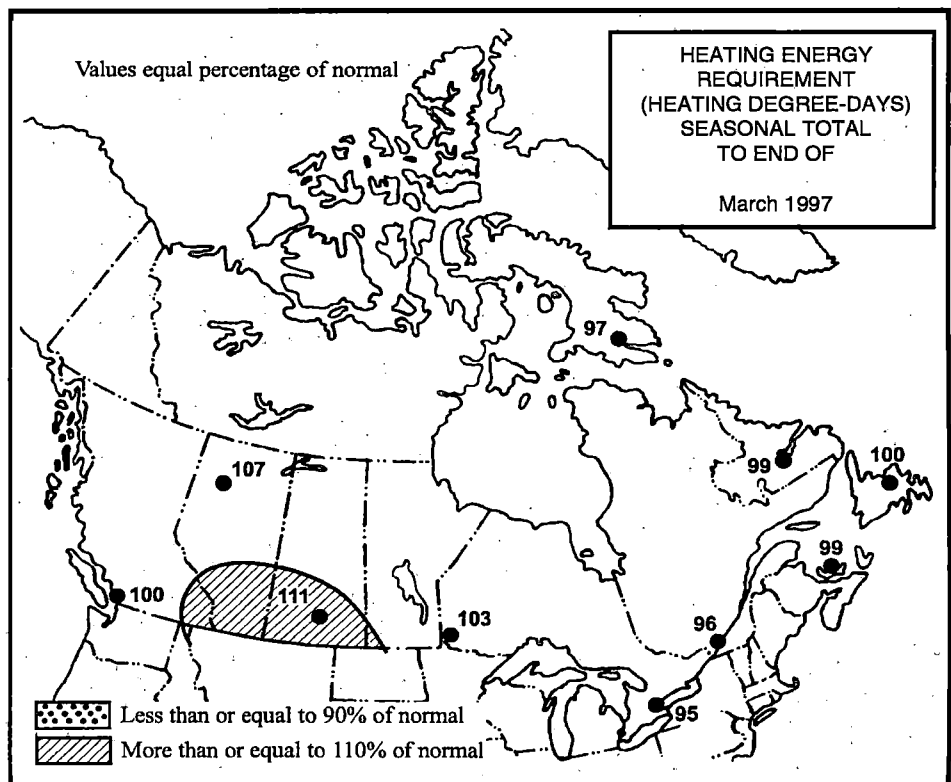
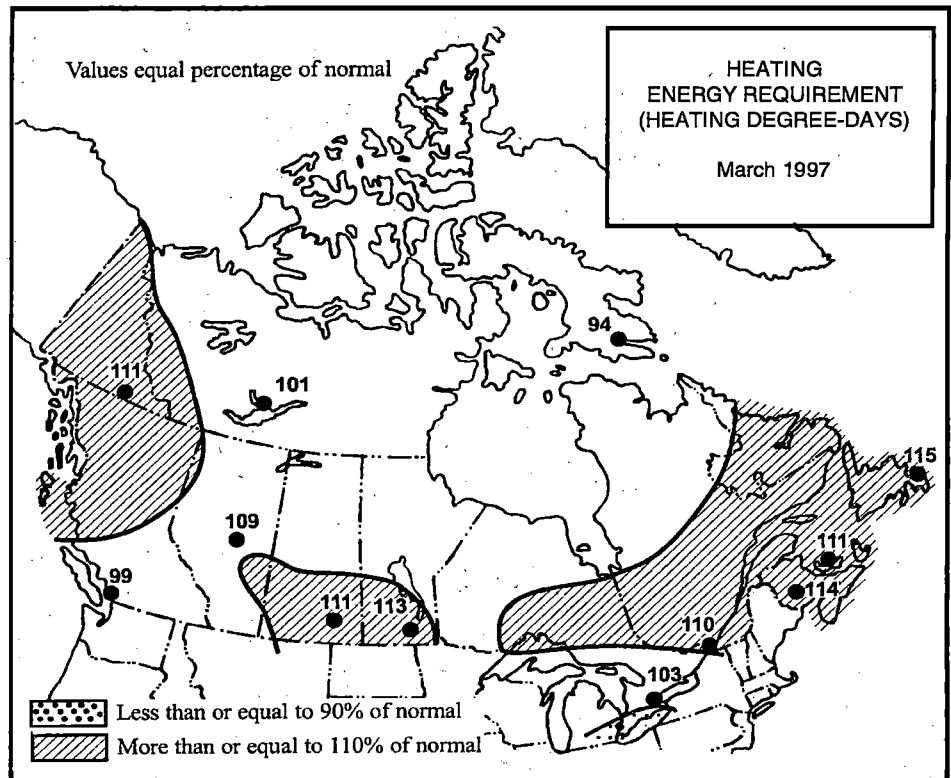
<b>Highest Monthly Mean Temperature</b>	VICTORIA UNIVERSITY	BC	7.3	°C
<b>Lowest Monthly Mean Temperature</b>	EUREKA	NWT	-35.0	°C
<b>Highest Temperature</b>	BELLE RIVER	ONT	21.8	°C
<b>Lowest Temperature</b>	EUREKA	NWT	-48.5	°C
<b>Heaviest Monthly Precipitation</b>	SQUAMISH	BC	507.8	mm
<b>Greatest Number of Bright Sunshine Hours</b>	YORKTON	SASK	208	hrs

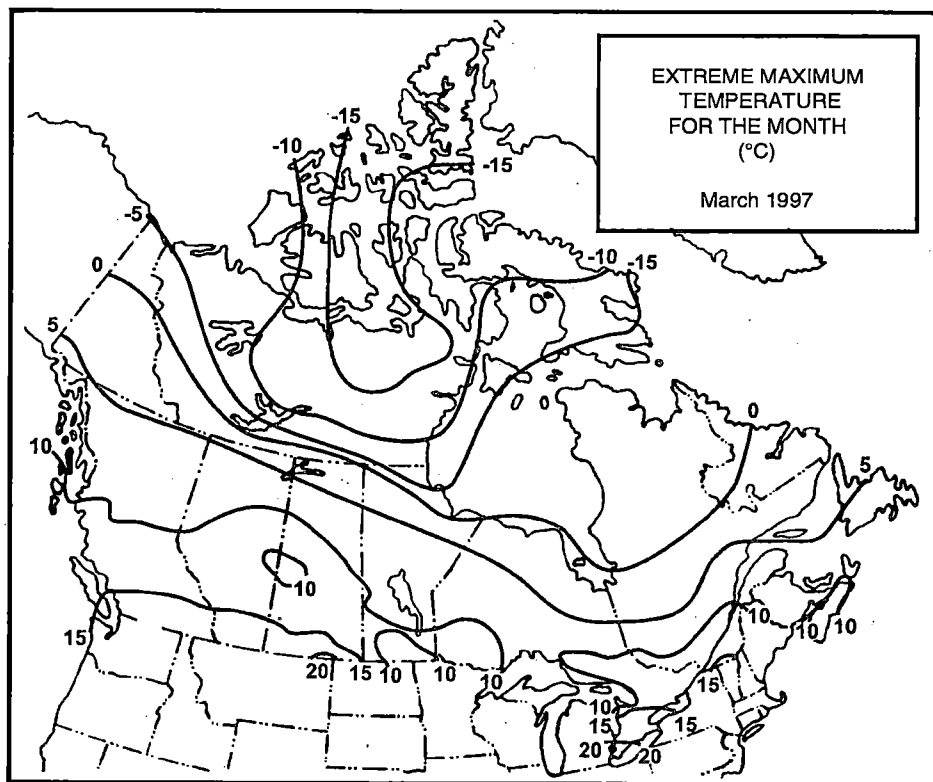
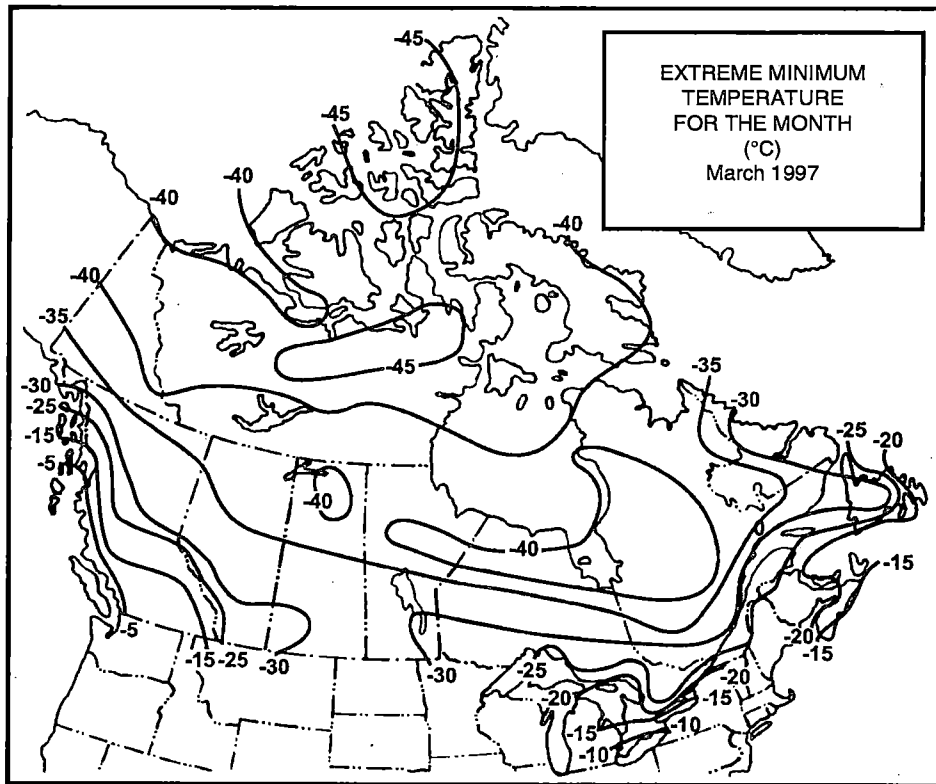




SEASONAL TOTAL OF HEATING  
DEGREE-DAYS TO END OF MARCH

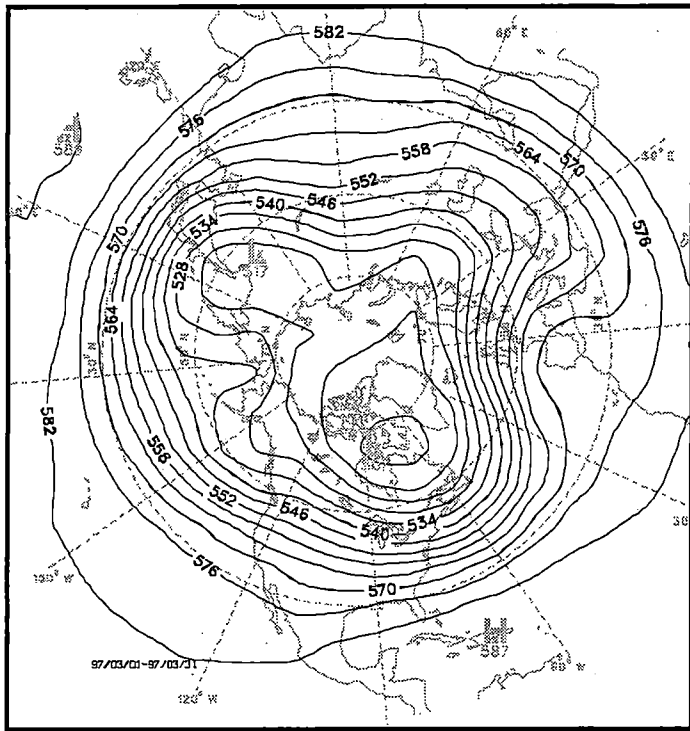
	1997	1996	Normal
<b>British Columbia</b>			
VICTORIA INT'L A	2507	2306	2503
PRINCE GEORGE A	4767	4705	4427
VANCOUVER INT'L A	*	2275	2454
PENTICTON A	*	3039	2993
KAMLOOPS A	*	3315	3232
<b>Yukon Territory</b>			
DAWSON	*	*	*
WATSON LAKE A	*	*	6660
<b>North West Territories</b>			
INUVIK A	*	*	8268
YELLOWKNIFE A	*	7284	6209
IQUALUIT A	7680	7586	7937
RESOLUTE A	*	9904	9918
<b>Alberta</b>			
EDMONTON INT'L A	*	5518	5037
CALGARY INT'L A	4855	4890	4393
MEDICINE HAT A	4569	4673	4158
PEACE RIVER A	5923	6058	5511
<b>Saskatchewan</b>			
MOOSE JAW A	5199	5136	4682
REGINA A	*	*	5049
PRINCE ALBERT A	5845	5899	5637
SASKATOON A	5772	5816	5233
<b>Manitoba</b>			
BRANDON A	*	5808	5279
WINNIPEG INT'L A	*	*	5164
CHURCHILL A	*	7495	7383
LYNN LAKE A	6810	6982	6727
THOMPSON A	6767	7037	6670
<b>Ontario</b>			
KENORA A	5280	5558	5108
THUNDER BAY A	*	*	4877
SUDBURY A	*	*	4639
KAPUSKASING A	5447	5815	5488
NORTH BAY A	*	4892	4590
OTTAWA INT'L A	*	4231	4097
WINDSOR A	*	3320	3157
LONDON A	*	*	3558
TORONTO INT'L A	3395	3696	3570
<b>Quebec</b>			
MONTREAL INT'L A	3850	*	3994
SHERBROOKE A	*	*	4430
SEPT-ILES A	5090	5064	5118
MONT JOLI A	4464	4470	4568
BAGOTVILLE A	4837	4973	4994
VAL D'OR A	*	5603	5278
<b>New Brunswick</b>			
FREDERICTON A	*	4042	4071
MONCTON A	3950	4044	4017
SAINT JOHN A	*	3985	3969
<b>Nova Scotia</b>			
GREENWOOD A	3425	3507	3566
YARMOUTH A	3266	3262	3296
<b>Prince Edward Island</b>			
CHARLOTTETOWN A	3850	3821	3874
<b>Newfoundland</b>			
GANDER INT'L A	4104	3937	4104
ST JOHN'S A	*	3700	3771
GOOSE A	5446	5254	5510



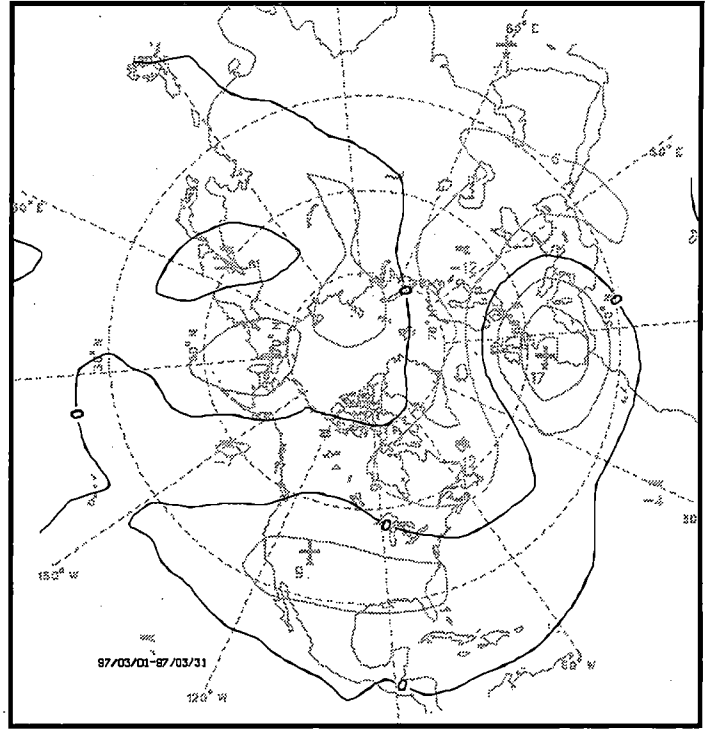


# 50-kPa ATMOSPHERIC CIRCULATION

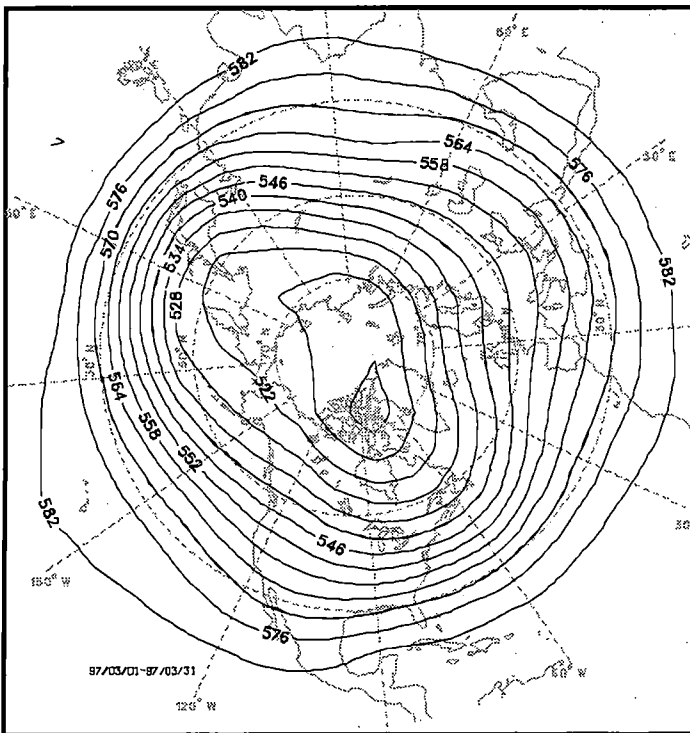
March 1997



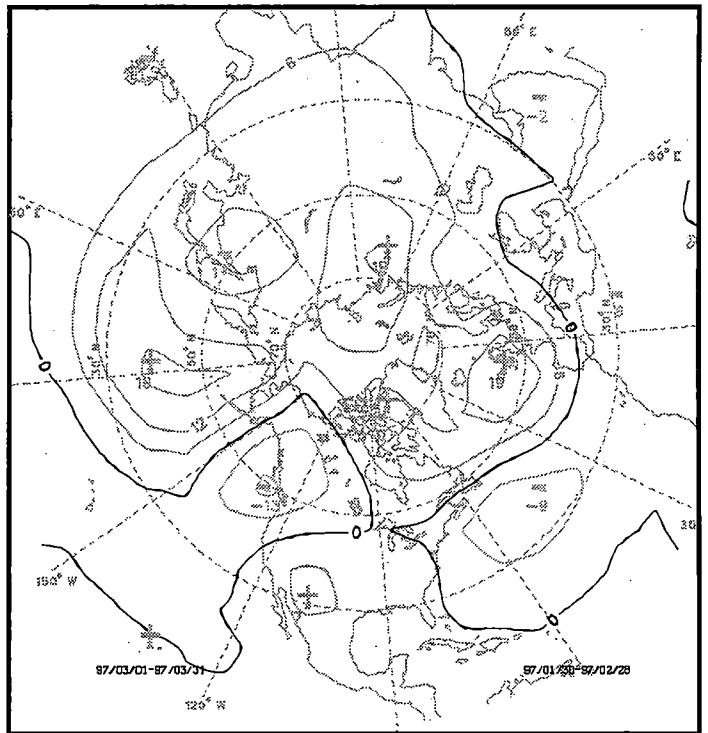
Mean geopotential heights  
6-decagramme interval



Mean geopotential height anomaly  
6-decagramme interval



Normal geopotential heights for the month  
6-decagramme interval



Mean height difference w/r to previous month  
6-decagramme interval



March 1997

STATION	Temperature C				Snowfall (cm)	% of Normal Snowfall	Total Precipitation (mm)	% of Normal Precipitation	Snow on ground at end of month (cm)	No. of days with Precip 1.0 mm or more	Bright Sunshine (hours)	% of Normal Bright Sunshine	Degree Days below 18 C
	Mean	Difference from Normal	Maximum	Minimum									
<b>BRITISH COLUMBIA</b>													
ABBOTSFORD A	6.4	0.1	15.5	-2.4									360.7
AGASSIZ CS	6.0		15.8	-0.7			342.4			21			370.8
CLINTON	-1.5		12.7	-19.5									603.1
COMOX A	5.4	-0.2	14.7	-2.9	15.4	195	195.6	173		18			392.1
CRANBROOK A	0.8	-0.8	14.2	-20.3	20.8	178							534.0
DEASE LAKE CAMPBELL	-8.6		5.1	-30.4			366.0			24			825.8
ESTEVAN POINT CS	6.3		12.0	-1.0									363.2
FORT NELSON A	-12.5	-3.7	5.8	-30.1	27.5	110	20.2	117	53	5	117		945.5
FORT ST JOHN A	-7.7	-2.2	7.5	-26.8			68.8	285	17	10			798.0
HOPE	5.4		16.8	-1.8									389.5
KAMLOOPS A	4.0	-0.5	19.5	-8.9			18.6	194		5			435.1
KELOWNA A	2.5	-0.9	17.2	-10.3			26.0	118		8			480.1
LANGARA	3.8	-0.6	9.9	-2.7			219.5	157		24			
LYTTON	4.8		17.0	-6.1									410.4
MACKENZIE A	-5.4	-2.0	9.2	-29.9									725.5
NELSON	2.9		16.4	-8.7									468.7
PENTICTON A	4.7	0.2	16.6	-7.2	13.9	421	16.8	82		7			412.8
PORT ALBERNI	4.3		12.8	-1.7									423.4
PORT HARDY A	5.1	0.0	13.0	-3.0	5.6	79	250.4	175		21	107		401.3
PRINCE GEORGE A	-2.6	-1.9	13.4	-25.4			43.2	126		0	12		638.7
PRINCE RUPERT A	3.6	-0.1	9.6	-7.2									447.4
PRINCETON	1.1		16.0	-14.9									523.4
QUESNEL A	-0.5	-1.2	15.6	-19.5									
REVELSTOKE	1.5		10.2	-10.0									512.6
SANDSPIT A	4.4	-0.1	10.9	-2.4			175.0	168		19			420.4
SHERINGHAM POINT	6.4		14.6	0.1									
SMITHERS A	-2.0	-1.6	9.5	-20.9	21.4	109	28.2	126	1	6			620.8
SPARWOOD	-1.0		12.2	-23.4									588.5
SQUAMISH	4.3		13.1	-3.2			507.8			24			423.2
SUMMERLAND CS	4.3		16.6	-7.4			0.0			0			424.1
TERRACE A	0.6	-1.4	9.1	-10.4	27.6	71	122.0	152	0	16	99		540.2
VANCOUVER INT'L A	6.3	0.0	16.7	-1.0									362.4
VICTORIA INT'L A	6.3	0.2	14.1	-1.3	11.2	303	183.5	255		18			363.5
WILLIAMS LAKE A	-1.6	-1.3	13.2	-22.8	30.6	167			2		116	73	608.8

STATION	Temperature C				Snowfall (cm)	% of Normal Snowfall	Total Precipitation (mm)	% of Normal Precipitation	Snow on ground at end of month (cm)	No. of days with Precip 1.0 mm or more	Bright Sunshine (hours)	% of Normal Bright Sunshine	Degree Days below 18 C
	Mean	Difference from Normal	Maximum	Minimum									
<b>YUKON TERRITORY</b>													
BURWASH	-15.3		0.5	-36.2									1032.0
DAWSON	-17.4		2.0	-39.8									1097.7
FARO	-12.4		2.1	-33.1									942.2
KOMAKUK BEACH	-25.5		-0.9	-38.9									1347.3
TESLIN	-9.9		2.9	-30.7									865.0
WATSON LAKE A	-13.8	-3.3	4.2	-38.7									986.7
<b>NORTHWEST TERRITORIES</b>													
ALERT	-29.6	3.5	-15.7	-41.6									1474.5
BAKER LAKE A	-27.8	0.2	-13.0	-41.8									1420.2
BROUGHTON ISLAND	-23.9	-0.3	-8.0	-36.8	4.8	39	11.8	174	34	35	6	145	1299.6
CAMBRIDGE BAY A	-30.3	0.4	-16.6	-42.1									1495.9
CAPE DORSET A	-20.3		-3.9	-37.3			25.5			9			1187.4
CAPE DYER	-22.8		-3.9	-37.4									1266.3
CAPE HOOPER	-25.1	-0.6	-10.0	-37.2									1335.3
CAPE PARRY A	-26.9	0.0	-7.3	-37.1									1391.3
CLYDE A	-27.2	-0.6	-10.7	-43.0									
CORAL HARBOUR A	-23.5	2.5	-4.7	-43.1									
EUREKA	-35.0	2.4	-17.3	-48.5	2.8	104	1.6	67	14	0			1643.1
FORT SIMPSON A	-17.0	-2.8	-2.0	-35.5	26.2	135	13.7	78	30	4			
FORT SMITH A	-15.4	-1.4	2.2	-33.9									1035.2
HALL BEACH A	-26.9	2.8	-5.0	-44.3									1391.0
HAY RIVER A	-17.5	-1.7	0.0	-33.5	10.6	62							1100.5
INUVIK A	-25.1	-1.0	-2.9	-40.0									1335.9
IQALUIT A	-21.0	2.5	-0.1	-44.0									
KUGLUKTUK A	-26.9		-10.6	-39.3	11.6		16.2	74	32	4			1209.7
LADY FRANKLIN POINT	-28.0	-0.6	-12.6	-37.0									1392.0
LONGSTAFF BLUFF	-25.4	1.6	-5.8	-40.5									1427.1
MOULD BAY CAMP	-30.0		-17.1	-42.4									
NORMAN WELLS A	-22.6	-3.6	-3.9	-41.7	23.6	179	15.8	136	63	5	200	120	1257.3
PANGNIRTUNG	-20.6		2.9	-41.3									
RANKIN INLET A	-26.2		-11.2	-41.7	4.6								1370.0
RESOLUTE A	-29.8	1.4	-9.5	-44.8	4.8	96	4.8	102	29	0	152	105	1481.8
SHEPHERD BAY A	-30.9		-10.6	-46.8									1517.3
TUKTOYAKTUK	-26.3		-4.1	-39.4									
YELLOWKNIFE A	-21.1	-2.6	-6.5	-36.2									



March 1997

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	Mean	Difference from Normal	Maximum	Minimum									
RED LAKE A	-10.0	-1.9	11.1	-31.2			19.5	62	64	6			869.1
SAULT STE MARIE A	-6.1	-1.5	7.4	-23.1				36					747.3
SIoux LOOKOUT A	-9.3	-1.7	10.1	-28.5	34.8	107		67					846.3
SUDBURY A	-7.3	-1.7	10.9	-21.7			38.0	62	38	6			785.6
TIMMINS A	-10.6	-2.6	8.8	-30.7				86					886.2
TORONTO ISLAND A	0.3	-0.2	14.8	-9.5									
TORONTO LESTER B. P	-1.4	-0.6	13.8	-14.3	37.6	189	69.6	122	2	13			600.0
TRENTON A	-2.3	-1.3	13.2	-18.0	64.3	266	108.3	161	3	15			629.5
WATERLOO WELLINGTON	-1.6	-0.1	15.0	-17.4					2				
WAWA A	-8.7		11.7	-27.5			65.2		128	12			828.7
WIARTON A	-3.7	-1.2	12.6	-17.0	80.7	183	84.3	126	9	15	131		
WINDSOR A	2.3	0.6	21.4	-9.3					0				
QUEBEC													
BAGOTVILLE A	-9.5	-3.1	6.0	-25.6	56.7	119	52.4	101	89	15			852.9
BAIE COMEAU A	-10.5	-4.0	5.5	-29.6			36.1	52		10			883.9
BLANC SABLON A	-10.6		3.3	-26.1			92.0		18	12			887.0
CHIBOUGAMAU	-14.8		2.2	-37.8									1016.8
GASPE A	-9.0		8.3	-27.5	46.2		56.8		27	9	167		837.4
ILES DE LA MADELEIN	-6.5		4.9	-20.9			96.8		3	12			760.9
JONQUIERE	-9.4		7.9	-27.4			61.5		17	17			849.1
KUUJUAQ A	-19.9	-1.4	-2.7	-38.1	57.6	199	56.4	205	32	10			1173.9
KUUJUARAPIK A	-21.4	-3.9	-0.1	-41.3	22.6	107	22.6	107	61	5	143		1220.0
L'ASSOMPTION CDA	-5.9	-2.4	9.9	-24.9									740.6
LA GRANDE RIVIERE A	-19.0		-0.7	-35.2	38.3		38.3		55	6			1145.8
LAC EON	-16.0		0.0	-36.0			21.0			5			1053.5
MANIWAKI AIRPORT	-6.3		10.6	-24.2			29.0			11			752.0
MATAGAMI	-14.6		2.5	-36.1									1010.2
MONT JOLI A	-7.2	-2.3	6.7	-19.5	28.6	48	31.4	48	20	8	146		780.0
MONTREAL/DORVAL INT	-4.4	-2.0	10.0	-17.2			97.0	143		17			695.9
NATASHQUAN A	-11.3	-4.6	3.3	-33.7			77.4	95	73	11			909.3
NORMANDIN'	-12.4		6.7	-32.3			28.6		12	12			942.0
QUEBEC CS	-6.8		11.1	-23.5			90.9		14		0		769.9
ROBERVAL A	-10.5	-3.7	5.3	-27.6	25.0	47	39.8	68	7	10			882.5
SEPT-ILES A	-10.9	-4.1	2.1	-29.3	81.0	128	81.6	101	59	9			896.9
SHERBROOKE A	-6.9	-2.9	16.5	-29.3			100.5	134		18			770.5
ST HUBERT A	-4.8	-2.5	11.4	-23.0			101.5	137		16			705.9
VAL D'OR A	-11.8	-3.6	6.7	-30.7			41.5	65		10			923.4

STATION	Temperature C				Snowfall (cm)	% of Normal Snowfall	Total Precipitation (mm)	% of Normal Precipitation	Snow on ground at end of month (cm)	No. of days with Precip 1.0 mm or more	Bright Sunshine (hours)	% of Normal Bright Sunshine	Degree Days below 18 C
	Mean	Difference from Normal	Maximum	Minimum									
NEW BRUNSWICK													
CHARLO A	-7.7	-2.5	7.1	-25.7									
FREDERICTON A	-5.3	-2.8	8.1	-23.5	67.9	136	53.5	66	63	9			797.2
MONCTON A	-5.6	-2.6	8.1	-21.6			125.7	107	22	12			723.4
SAINT JOHN A	-5.3	-2.7	6.6	-20.5	63.9	134			9				732.1
ST LEONARD A	-7.4		8.0	-23.9			72.8		138	13	181		722.5
ST STEPHEN	-5.1		9.2	-21.4									788.2
NOVA SCOTIA													
AMHERST	-4.5		7.4	-20.6									
GREENWOOD A	-3.2	-2.1	11.2	-17.2	69.2	155							657.6
SYDNEY A	-5.8	-2.9	9.1	-19.4	39.5	63			0				737.4
YARMOUTH A	-1.5	-1.7	11.9	-11.8	52.8	191			0		141	102	606.0
PRINCE EDWARD ISLAND													
CHARLOTTETOWN A	-5.8	-2.4	6.9	-22.5			73.1	79	4	13			739.0
EAST POINT	-6.3		5.3	-19.1									
NEWFOUNDLAND													
ARGENTIA	-3.5		8.8	-16.1									
BONAVISTA	-4.8	-2.1	7.5	-17.0									
CAPE RACE	-4.7		3.8	-17.1									702.3
CARTWRIGHT	-11.7	-3.0	5.1	-26.1					110				920.5
CHURCHILL FALLS	-17.6		1.2	-35.3									1105.0
DEER LAKE A	-8.5	-3.6	5.9	-34.1					46				820.6
GANDER INT'L A	-7.0	-3.2	5.1	-22.8	65.2	87	81.0	70	17	14			773.6
GOOSE A	-13.0	-3.8	5.5	-28.7	54.0	70	39.0	57	30	9	193	146	961.8
MARY'S HARBOUR	-10.7		2.3	-28.2					64	9			890.5
NAIN A	-14.1		0.5	-28.0			53.4		58	9			995.1
PORT AUX BASQUES	-5.2	-2.2	4.0	-17.9			167.2	158	8	16			
ST JOHN'S A	-5.5	-3.0	6.7	-18.5	71.7	133			8				728.9
ST LAWRENCE	-5.4	-3.3	4.7	-20.1					30				
STEPHENVILLE A	-6.8	-3.3	6.3	-24.5					85	5	136	125	769.0
WABUSH LAKE A	-17.2	-3.6	0.7	-34.1			27.2	49			178		1091.2

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