

Canadian climate summary

VOL: 3

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Summary ↗

October 1998

Monthly review of Canadian climate and water

vol. 3

CLIMATIC HIGHLIGHTS

October 1998

The lowest temperature for the month, -33.9°C, occurs on the 31st at Thomsen River.

11th - A Thanksgiving weekend snowstorm drops up to 50 cm of heavy, wet snow in central Saskatchewan. Up to 30,000 homes are left without electricity as snow laden branches break under the strain, bringing down power lines.

3rd - High winds in the Northumberland Strait lead to traffic restrictions on Confederation bridge as gusts of up to 100 km/h endanger the safe passage of tractor-trailers and buses.

30th & 31st - On the 30th, strong winds knock out power in various locations across New Brunswick. In total, 5000 customers are affected as hydro officials respond to 26 power service interruptions. In the southeast corner of the province, two days of rainfall soaks the area, resulting in the flooding of some residential streets and basements. Moncton is hardest hit by the rain receiving a total of 93.3 mm over the two days.

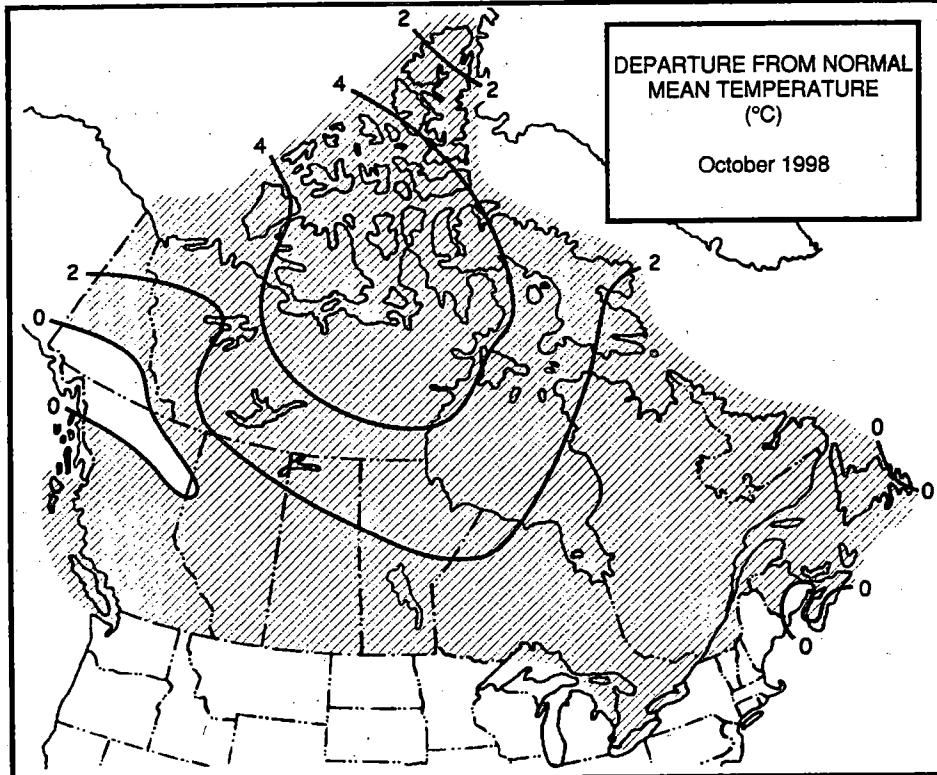
25th - Thousands of spiders invade the Blackburn area, near Prince George, enveloping trees, hydro wires, and cars in their webs. The mild and comparatively dry weather of the past year has allowed the local spider population to bloom. Combining this with the mild frost of recent weeks, the spiders move into the area in search of new cover as the plants die off due to the frost.

19th - Strong winds send tree branches crashing down on wires cutting power to 5000 Montrealers.

The highest temperature for the month, 26.5°C, occurs at Windsor, on the 6th.

The warm weather which led to an early July grain harvest has led some London area farmers to gamble with the planting of a second crop. The gamble pays off in areas to the south and southwest of the city where precipitation is more plentiful in an otherwise dry-area.





CANADIAN CLIMATE SUMMARY VOLUME 3

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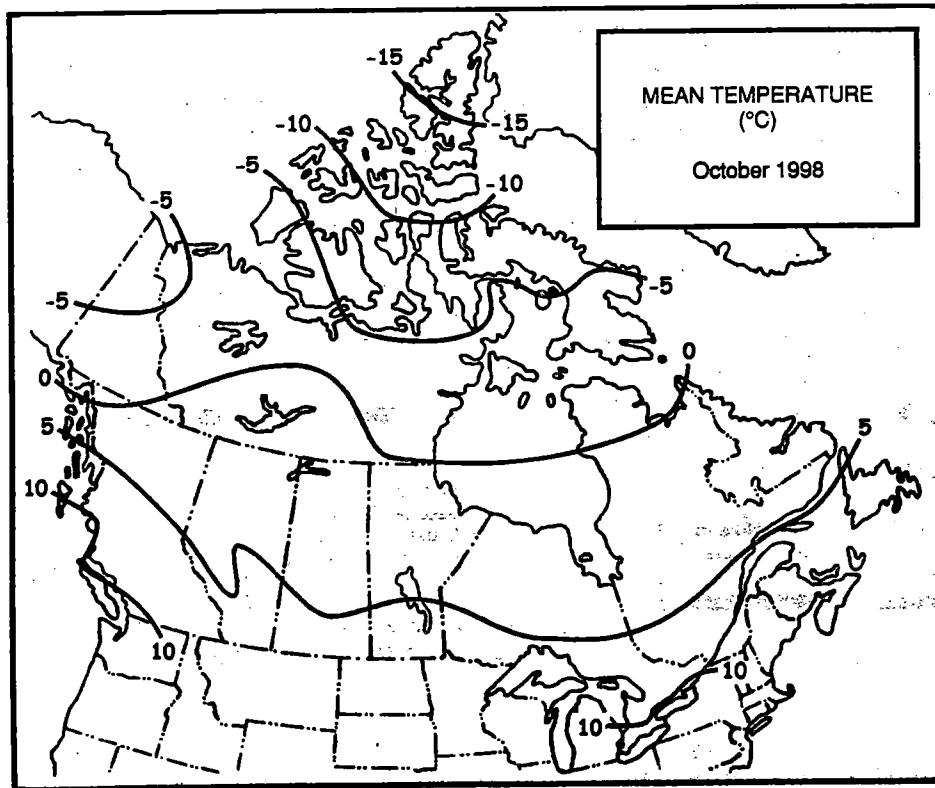
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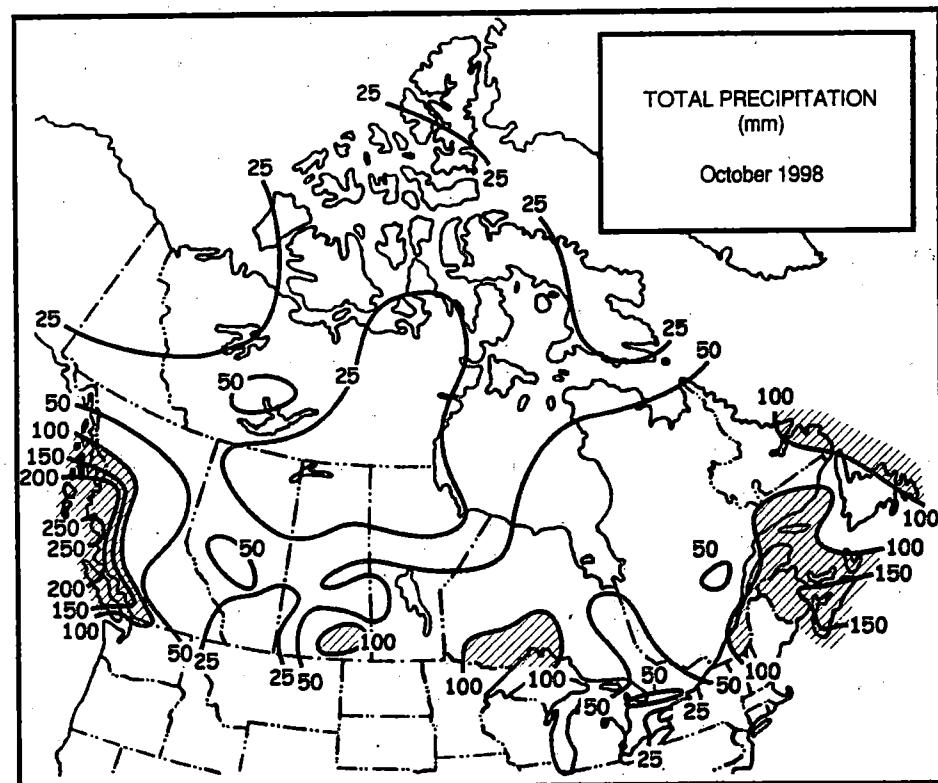
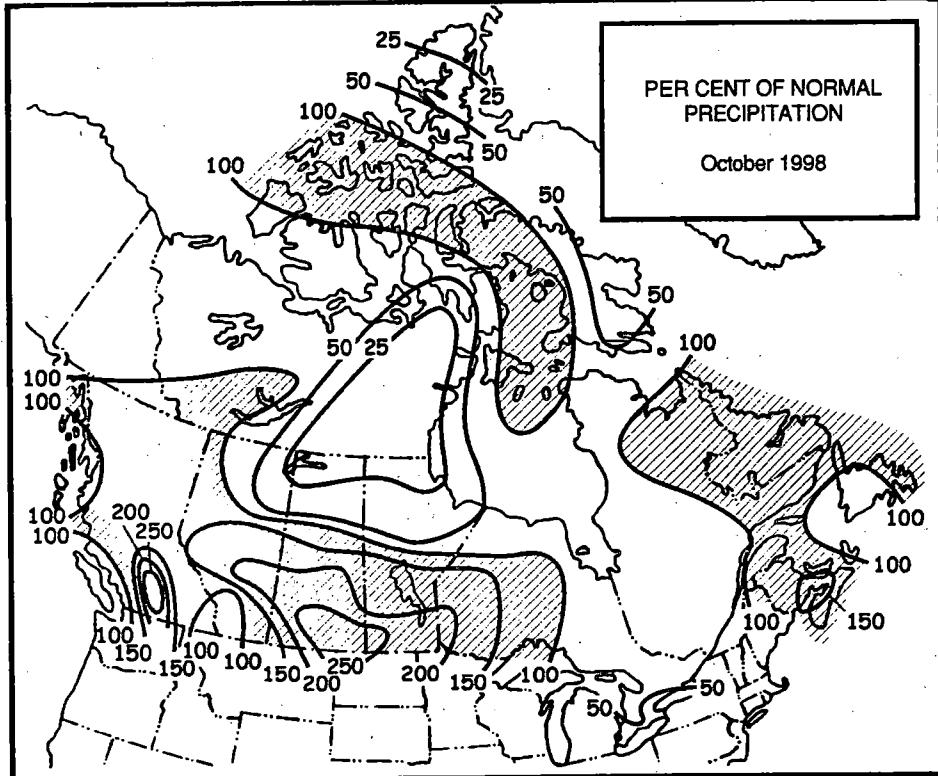


Weather Extremes, October 1998

		Maximum temperature (°C)		Minimum temperature (°C)		Greatest precipitation (mm)
British Columbia		LYTTON	26.2	DEASE LAKE	-13.9	ADDENBROKE ISLAND 551.8
Yukon Territory		WATSON LAKE	13.9	OLD CROW	-27.5	HOUR LAKE 62.8
Northwest Territories		FORT SIMPSON	20.1	THOMSEN RIVER	-33.9	LINDBERG LANDING 68.7
Alberta		CARDSTON	25.9	PRIMROSE LAKE	-15.8	LACOMBE 93.7
Saskatchewan		LEADER AIRPORT	25.3	MEADOW LAKE	-13.7	ASSINIBOIA 109.8
Manitoba		EMERSON	24.3	THOMPSON	-11.8	MCCREARY 108.0
Ontario		WINDSOR	26.5	GERALDTON	-8.4	WHITEFISH LAKE 173.8
Quebec		ST ANICET	26.4	LAC BENOIT	-13.2	CAP DES ROSIERS 224.1
New Brunswick		SAINT JOHN	19.7	FREDERICTON	-8.7	SACKVILLE 261.0
Nova Scotia		GREENWOOD	22.6	GREENWOOD	-7.8	BRIDGEWATER 263.8
Prince Edward Island		EAST POINT	18.2	CHARLOTTETOWN	-4.5	NEW GLASGOW 226.4
Newfoundland		DANIELS HARBOUR	19.8	CAPE KIGLAPAIT	-14.0	ST. JOHN'S 207.7

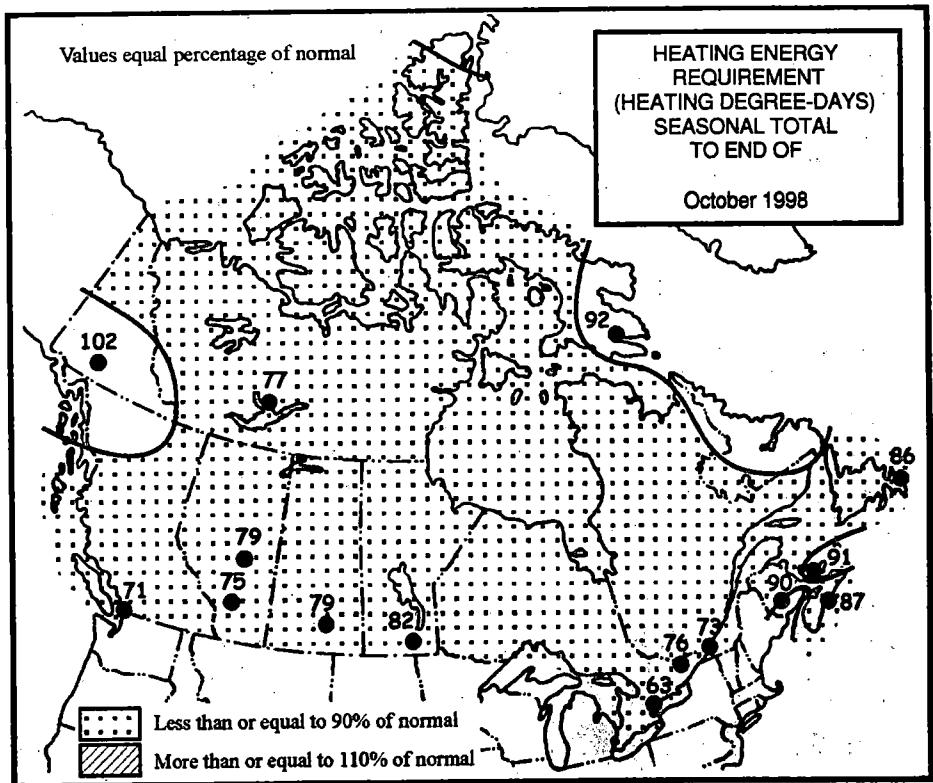
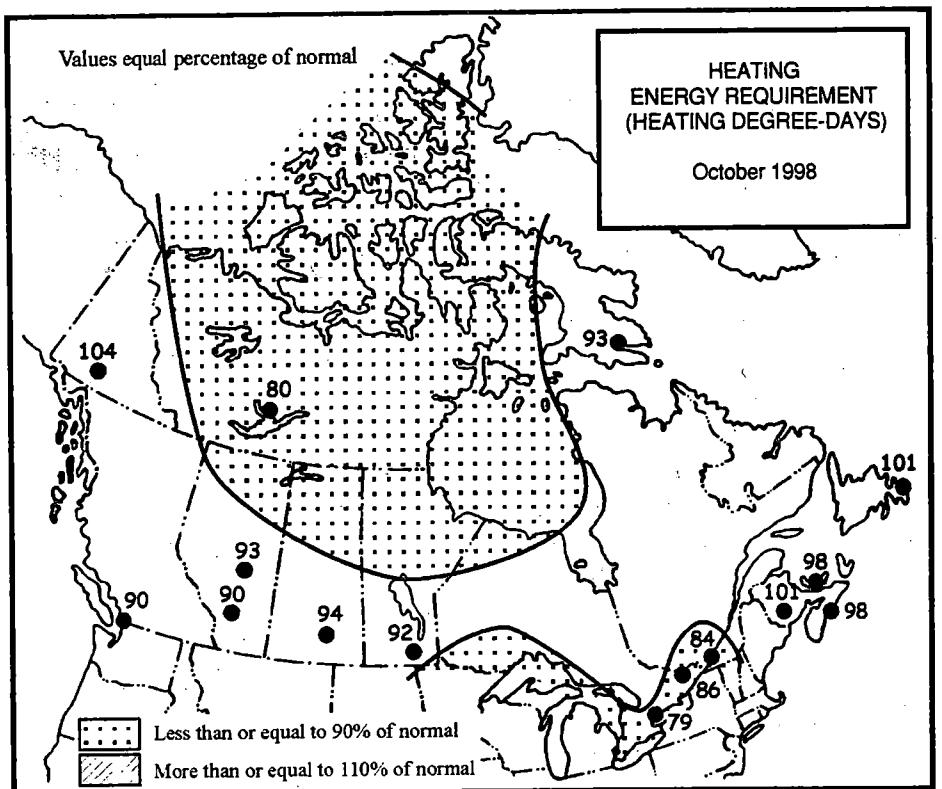
Across The Country...

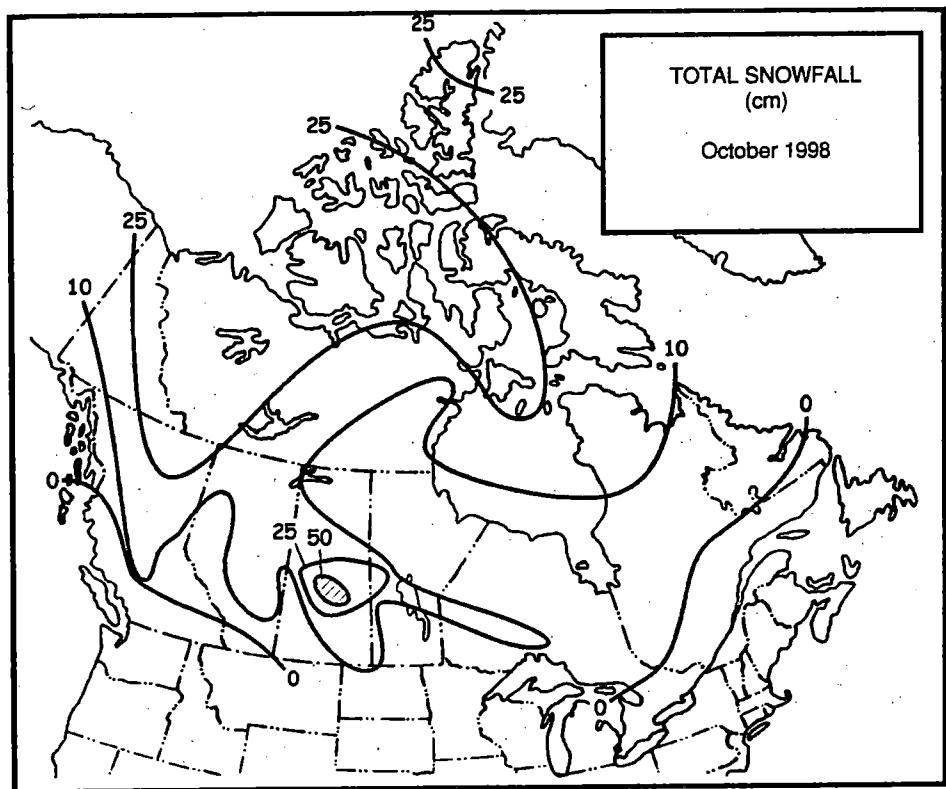
Highest Monthly Mean Temperature	WINDSOR	ONT	12.3	°C
Lowest Monthly Mean Temperature	ISACHSEN	NWT	-18.4	°C
Highest Temperature	WINDSOR	ONT	26.5	°C
Lowest Temperature	THOMSEN RIVER	NWT	-33.9	°C
Heaviest Monthly Precipitation	ADDENBROKE ISLAND	BC	551.8	mm
Greatest Number of Bright Sunshine Hours	MISSISSAUGA	ONT	201.5	hrs

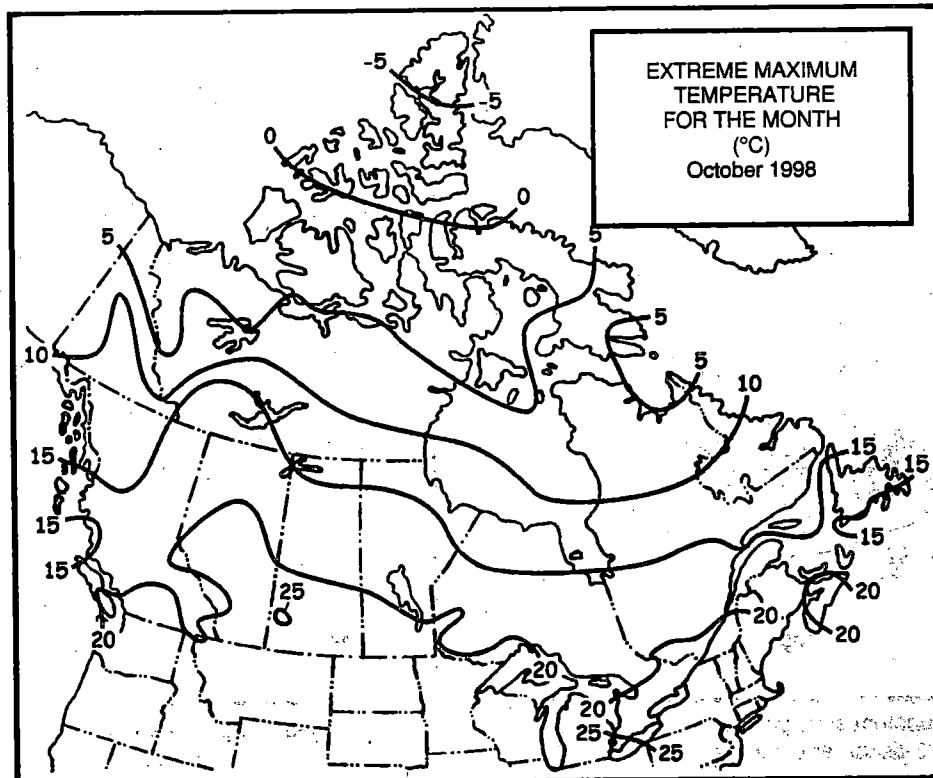
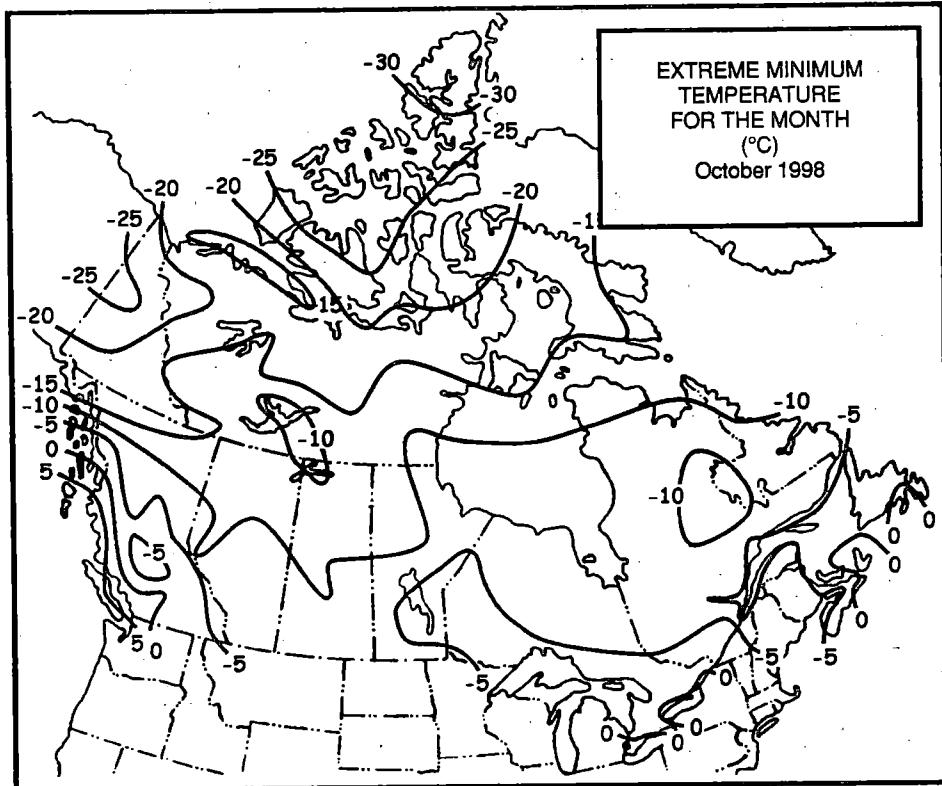


SEASONAL TOTAL OF HEATING
DEGREE-DAYS TO END OF OCTOBER

	1998	1997	Normal
British Columbia			
VICTORIA INT'L A	384	392	511
PRINCE GEORGE A	725	*	859
VANCOUVER INT'L A	310	328	437
PENTICTON A	338	386	425
KAMLOOPS A	343	370	424
Yukon Territory			
DAWSON	*	*	*
WATSON LAKE A	1113	1140	1138
North West Territories			
INUVIK A	*	*	1633
IQALUIT A	1704	1741	1853
RESOLUTE A	2253	2843	2659
Alberta			
EDMONTON INT'L A	662	705	840
CALGARY INT'L A	570	721	762
MEDICINE HAT A	391	*	547
PEACE RIVER A	724	894	911
Saskatchewan			
MOOSE JAW A	*	528	604
REGINA A	*	*	676
PRINCE ALBERT A	665	712	813
SASKATOON A	*	666	710
Manitoba			
BRANDON A	561	636	693
WINNIPEG INT'L A	*	602	624
CHURCHILL A	*	*	1388
LYNN LAKE A	926	1062	1123
THOMPSON A	930	1073	1116
Ontario			
KENORA A	486	576	649
THUNDER BAY A	*	*	712
SUDBURY A	531	648	630
KAPUSKASING A	*	*	842
NORTH BAY A	533	*	647
OTTAWA INT'L A	364	482	477
WINDSOR A	*	*	296
LONDON A	280	*	419
TORONTO INT'L A	*	*	424
Quebec			
MONTREAL INT'L A	331	444	454
SHERBROOKE A	*	663	660
SEPT-ILES A	799	951	930
MONT JOLI A	638	709	731
BAGOTVILLE A	629	696	733
VAL D'OR A	721	796	816
New Brunswick			
FREDERICTON A	*	559	549
MONCTON A	494	565	562
SAINT JOHN A	559	655	592
Nova Scotia			
GREENWOOD A	408	494	497
YARMOUTH A	*	521	518
Prince Edward Island			
CHARLOTTETOWN A	469	536	520
Newfoundland			
GANDER INT'L A	663	744	753
ST JOHN'S A	625	711	729
GOOSE A	900	948	981

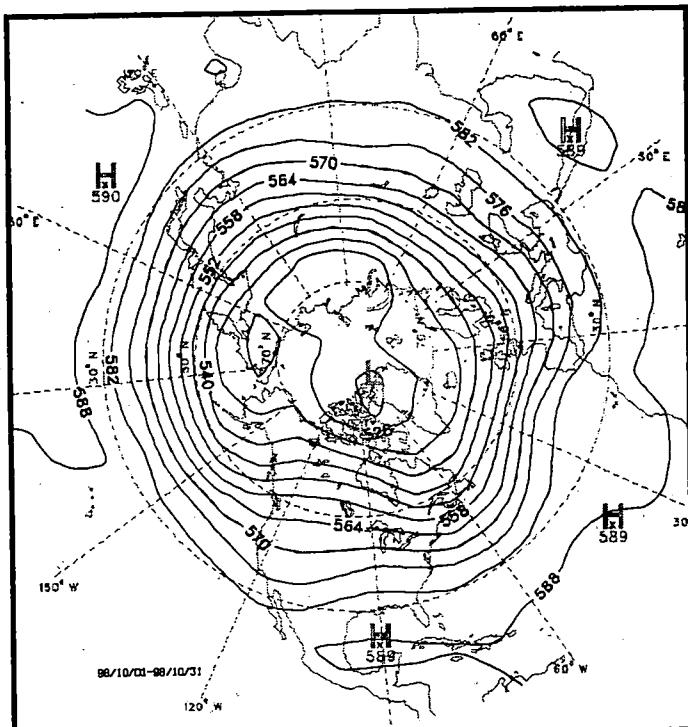




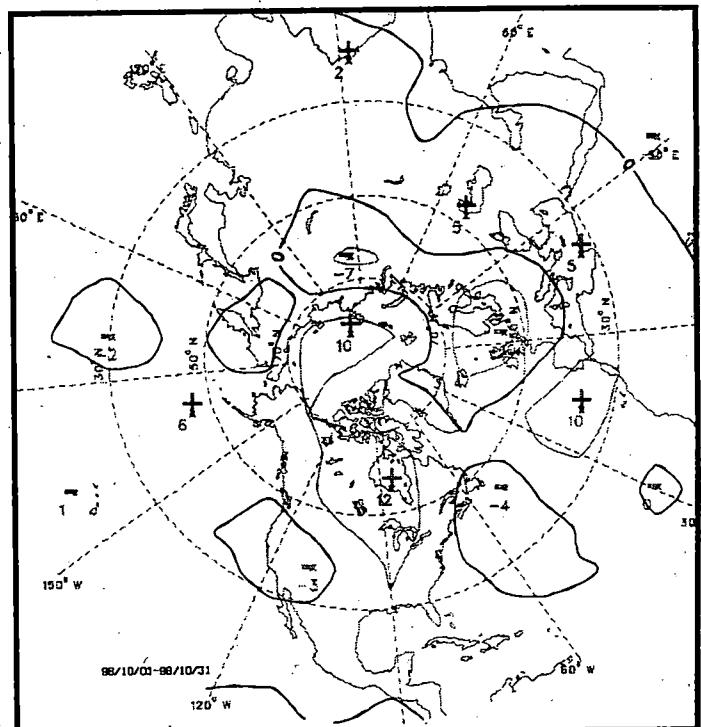


50-kPa ATMOSPHERIC CIRCULATION

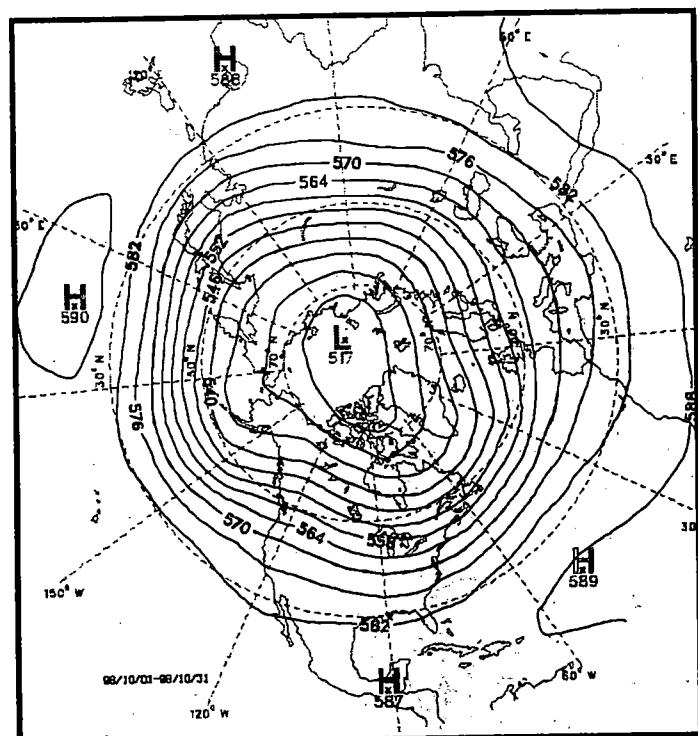
October 1998



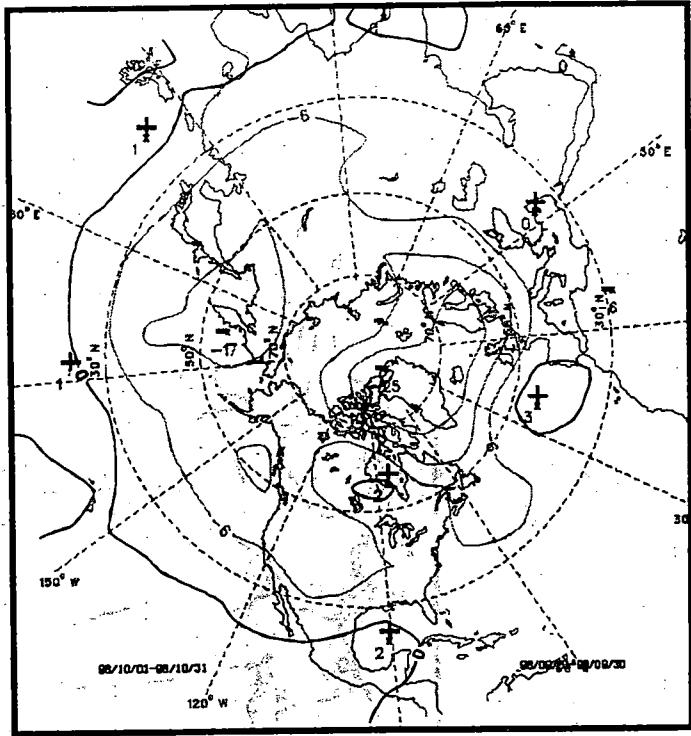
Mean geopotential heights
6-decametre interval



Mean geopotential height anomaly
6-decametre interval



Normal geopotential heights for the month
6-decametre interval



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

October 1998

STATION	Temperature C										Temperature C										
	Normal					Difference from Normal					Normal					Difference from Normal					
	Mean	Maximum	Minimum	Sum of normals	% of normal	Total Precipitation (mm)	% of Normal Precipitation	Sum of normals (mm)	% of normal	No. of days with Precip > 1.0 mm or more	Bright Sunshine (hours)	% of Normal Bright Sunshine	Deviations from C	Mean	Maximum	Minimum	No. of days with Precip > 1.0 mm or more	Bright Sunshine (hours)	% of Normal Bright Sunshine	Deviations from C	
BRITISH COLUMBIA																					
ABBOTSFORD A	11.1	1.1	24.2	0.9																	
AGASSIZ CS	11.6		23.4	-0.2																	
CLINTON	4.3		16.2	-6.6																	
COMOX A	10.0	0.8	19.3	1.9																	
CRANBROOK A	5.5	0.0	21.6	-7.2																	
DEASE LAKE CAMPBELL	1.3		13.6	-13.5																	
FORT NELSON A	1.3	0.3	18.8	-12.1																	
FORT ST JOHN A	3.8	-0.5	17.7	-6.5																	
HOPE	10.9		22.1	2.5																	
KAMLOOPS A	8.7	0.2	20.5	-2.5																	
KELOWNA A	7.2	0.2	22.7	-4.9																	
LANGARA	9.8	0.8	13.8	4.3																	
LYTTON	10.2		26.2	0.6																	
MACKENZIE A	3.9	0.3	14.6	-4.0																	
MALAHAT	10.3		23.8	-1.3																	
MUNNIES ISLAND	10.6	1.0	14.3	6.7																	
NELSON	6.4		18.2	0.2																	
PENTICTON A	8.9	0.2	23.9	-3.8																	
PORT ALBERNI	10.3		21.6	1.3																	
PORT HARDY A	9.9	1.3	18.4	2.8																	
PRINCE GEORGE A	5.2	0.4	18.1	-4.7																	
PRINCE RUPERT A	9.4	1.4	17.5	1.8																	
PRINCETON	7.0		22.8	-6.9																	
QUESNEL A	6.6	0.9	19.9	-2.5																	
REVELSTOKE	7.7		17.7	0.4																	
SANDSPIT A	10.1	1.0	16.3	2.7																	
SHERINGHAM POINT	11.8		18.5	6.6																	
SMITHERS A	5.4	0.7	14.7	-5.9																	
SQUAMISH	10.0		22.2	0.7																	
SUMMERLAND CS	8.9		23.1	-1.7																	
TERRACE A	6.7	0.2	13.6	0.3																	
VANCOUVER INT'L A	10.8	0.8	20.5	3.0																	
VICTORIA-INT'L A	10.6	0.9	20.9	2.0																	
WILLIAMS LAKE A	5.8	0.7	16.5	-5.5																	

October 1998

STATION	Temperature C										STATION	Temperature C												
	Mean			Difference from Normal			Snowfall (cm)					Mean			Difference from Normal			Snowfall (cm)						
	Maxima	Minima	Difference from Normal	Maxima	Minima	Difference from Normal	% 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	Maxima	Minima	% 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
ALBERTA																								
BROOKS	7.0	1.3	25.0	-6.3	23.3	-6.3	3.6	31	6.7	11.4	4.6	2	4	180	101	342.2	341.1	32.7	10.4	189	2	7	3	408.8
CALGARY INT'L A	7.0																							
CARDSTON	7.5																							
CLARESHOLM	7.4																							
COLD LAKE A	5.1	0.8	21.8	-7.4	20.2	-4.7			38.6	244			6				350.0	367.6						
CORONATION	5.4																							
EDMONTON CITY CENTR	6.7	0.8	22.7	-4.2	22.0	-8.1	17.4	223	33.6	190			5				366.3	402						
EDMONTON INT'L A	5.5	0.9	22.0	-8.1													435.6	427.3						
EDMONTON STONY PLA	6.2	1.0	21.9	-3.6	22.2	-8.5			91.6	402	87.5		12	10			445.8	418.1						
EDSON A	3.9																							
FORT CHIPEWAN A	3.6	2.6	16.7	-12.1					8.5	26			1				315.5	306.2						
FORT MCMURRAY A	4.5		1.2	19.5	-12.7												417.8	407.8						
HIGH LEVEL A	2.9								4.8				3	103			468.8	388.7						
LAC LA BICHE	4.9								20.8	-7.1							381.7	315.5						
LACOMBE CDA 2	5.7								21.4	-7.8			5				417.8	398.7						
LETHBRIDGE A	7.8	0.3	24.6	-8.6					23.0	145			6				324.5	319.1						
LETHBRIDGE CDA	8.7	1.4	24.8	-5.6	21.1	-8.0			8.8	39	6.2		1				381.7	355.5						
LLOYDMINSTER A	4.8								3.4	48	26.5		5				407.8	388.7						
MEDICINE HAT A	8.1	0.8	25.8	-5.2					18.2	117	18.2		3				417.8	398.7						
PEACE RIVER A	4.5	1.1	19.6	-11.2					28.5	118	28.5		7				324.5	319.1						
PINCHER CREEK	7.5								22.7	-6.3	15.8	166	52.8	261			381.7	355.5						
RED DEER A	5.7	1.1	21.4	-8.7	20.6	-6.9							6				392.0	381.7						
ROCKY MTN HOUSE	4.8								21.9	-6.4							392.0	381.7						
SLAVE LAKE A	5.4																402.7	381.7						
VEGREVILLE	5.4								21.3	-6.1			5				402.7	381.7						
WHITECOURT A	5.0								21.0	-6.9							402.7	381.7						
SASKATCHEWAN																								
BROADVIEW	5.8	1.5	21.9	-5.9	24.0	-4.9			102.0	408	82.6	388	8			378.3	356.6							
CORONACH SPC	7.0																427.2	408.9						
ESTEVAN A	6.5	0.3	23.4	-6.4									5				389.1	366.2						
HUDSON BAY	4.2								22.7	-7.7			4				422.7	407.8						
INDIAN HEAD CDA	5.4	0.3	23.9	-8.9	24.5	-5.8					47.0	133	8.2	4			435.6	417.8						
KINDERSLEY A	6.2	1.8	23.5	-10.8							47.2	133	8				412.7	408.9						
LA RONGE A	4.4												5				436.3	426.3						
MEADOW LAKE A	3.9																375.4	355.4						
NIPAWIN A	4.7								20.5	-8.5			9				408.9	398.7						
NORTH BATTLEFORD A	4.8	0.0	23.9	-8.3	21.4	-10.4	22.0	355	29.3	215	66.4	56.4	10			436.3	426.3							
PRINCE ALBERT A	3.9	0.2	21.4	-6.2					570	527	84.0	389	107.0	8			426.3	408.9						
REGINA A	5.9	0.8	24.0	-6.2													436.3	426.3						

October 1998

STATION	Temperature C					% 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	Snowfall (cm)								
THUNDER BAY A	7.0	1.6	23.6	-6.3			43.4	58		339.9			
TIMMINS A	5.1	0.6	18.2	-6.3			23.0	38		400.2			
TORONTO ISLAND A	11.2	1.1	19.9	2.6			24.0	38		209.9			
TORONTO LESTER B. P.	10.8	-1.9	23.1	0.6						223.4			
TRENTON A	9.8	1.2	21.0	-1.0	0.0	0	39.8	55	7	255.7			
WATERLOO WELLINGTON	9.7	1.7	21.8	-2.6	0.0	0	19.1	27	3	257.6			
WAWA A	6.9	18.5	-4.4				61.8		9	343.1			
WIARTON A	9.3	0.6	21.0	-2.5			56.8	64	11	268.8			
WINDSOR A	12.3	1.4	26.5	3.1	0.0	0	26.6	46	4	181.9			
QUEBEC													
BAGOTVILLE A	6.1	1.1	21.0	-5.7			89.2	115		369.8			
BAIE COMEAU A	5.1	0.9	15.0	-9.3			59.0	66		400.9			
BLANC SABLON A	4.1	13.3	-6.9				64.0		12	431.9			
CHIBOUGAMAU	4.0	17.6	-5.5						9	434.4			
GASPE A	5.5	19.4	-9.1				211.1		14	387.6			
ILES DE LA MADELEIN	8.3	16.6	-0.7				73.0		9	301.1			
JONQUIERE	6.7	19.3	-2.9				95.0		14	349.2			
KUUJUUAQ A	0.1	0.9	9.3	-8.1			74.0	142	0	554.8			
KUJJUARAPIK A	3.6	1.5	12.0	-6.3			68.2	93	15	446.8			
L'ASSOMPTION CDA	8.9	1.2	22.7	-2.5			61.2	75	7	280.8			
LA GRANDE RIVIERE A	2.8	12.3	-4.9				92.0		13	470.4			
LAC EON	0.8	11.8	-9.3						105	0			
MATAGAMI	4.5	17.3	-5.4				57.0	111	11	417.6			
MONT JOLI A	6.0	0.5	20.2	-3.4			90.8		15	372.4			
MONTREAL/DORVAL INT	9.9	1.6	24.7	0.4					92	252.8			
NATASHQUAN A	4.7	0.8	13.5	-10.6						413.0			
NORMANDIN	5.5	17.7	-6.8				25.0			388.8			
QUEBEC CS	7.3	18.9	-3.4				107.7			332.7			
ROBERVAL A	6.2	0.9	18.6	-4.8			32.2	48		364.5			
SEPT-ILES A	4.5	1.1	12.0	-8.3			118.8	118	6	418.8			
SHERBROOKE A	7.3	0.9	24.0	-6.3			67.0	73	9	331.1			
ST HUBERT A	9.1	1.1	22.9	-3.2			58.0		9	275.1			
VAL D'ORA A	5.1	0.7	16.4	-6.8						400.7			

STATION	Temperature C					% 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	Snowfall (cm)								
NEW BRUNSWICK													
CHARLO A	6.4	0.9	17.5	-7.5						110.4	125		
FREDERICTON A	7.2	-0.1	19.0	-6.7						113.7	122		
MONCTON A	7.3	-0.1	19.6	-6.5						125.0	211		
SAINT JOHN A	7.3	-0.2	19.7	-7.6						162.6	133		
ST STEPHEN	7.2		19.2	-7.7						148.8			
NOVA SCOTIA													
AMHERST	8.6		21.1	-0.5						176.0	177		
GREENWOOD A	8.6	0.2	22.6	-7.8						160.8	132		
SHEARWATER A	9.2	-0.1	21.6	-1.9						113.2	82		
SYDNEY A	9.1	0.8	19.3	-3.2						10	10		
YARMOUTH A	8.8	-0.5	17.8	-2.1						143.1	133		
PRINCE EDWARD ISLAND													
CHARLOTTETOWN A EAST POINT	8.3	0.3	19.7	-4.5									
NEWFOUNDLAND													
ARGENTIA	8.2	0.0	0.8	17.2						8	?		
BONAVISTA	7.1	-0.1	16.7	0.1						14	?		
CAPE RACE	7.9		14.4	-2.3						126	?		
CARTWRIGHT	3.3	0.4	15.4	-7.2						115.6	148		
CHURCHILL FALLS	0.2		13.8	-8.2						62.8	60		
DEER LAKE A	5.8	0.5	18.2	-4.3						115.4	110		
GANDER INT'L A	6.0	0.1	16.6	-3.2						97.0	123		
GOOSE A MARY'S HARBOUR	3.0	0.5	17.6	-7.1						74.1			
NAIN A	3.7		14.9	-6.7						1	7		
PORT AUX BASQUES	2.7	0.5	15.0	-7.4						12	78	84	463.5
ST JOHN'S A STEPHENVILLE A WABUSH LAKE A	6.9	-0.1	17.9	-2.7						16	135	137	475.3
	7.5	0.5	18.6	-3.1						15	134	137	344.0
	0.0	0.5	13.8	-10.9						15	134	137	326.7