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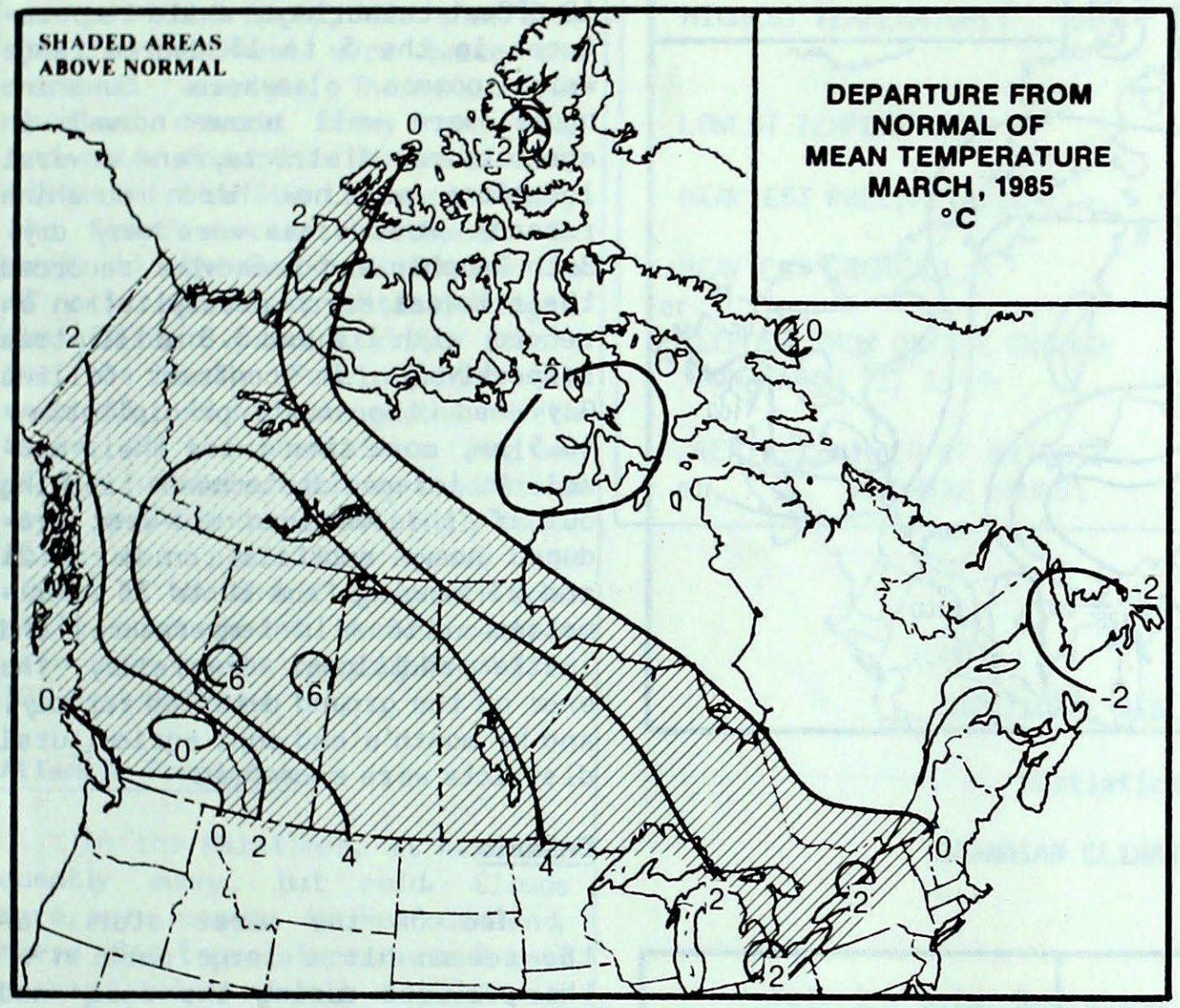
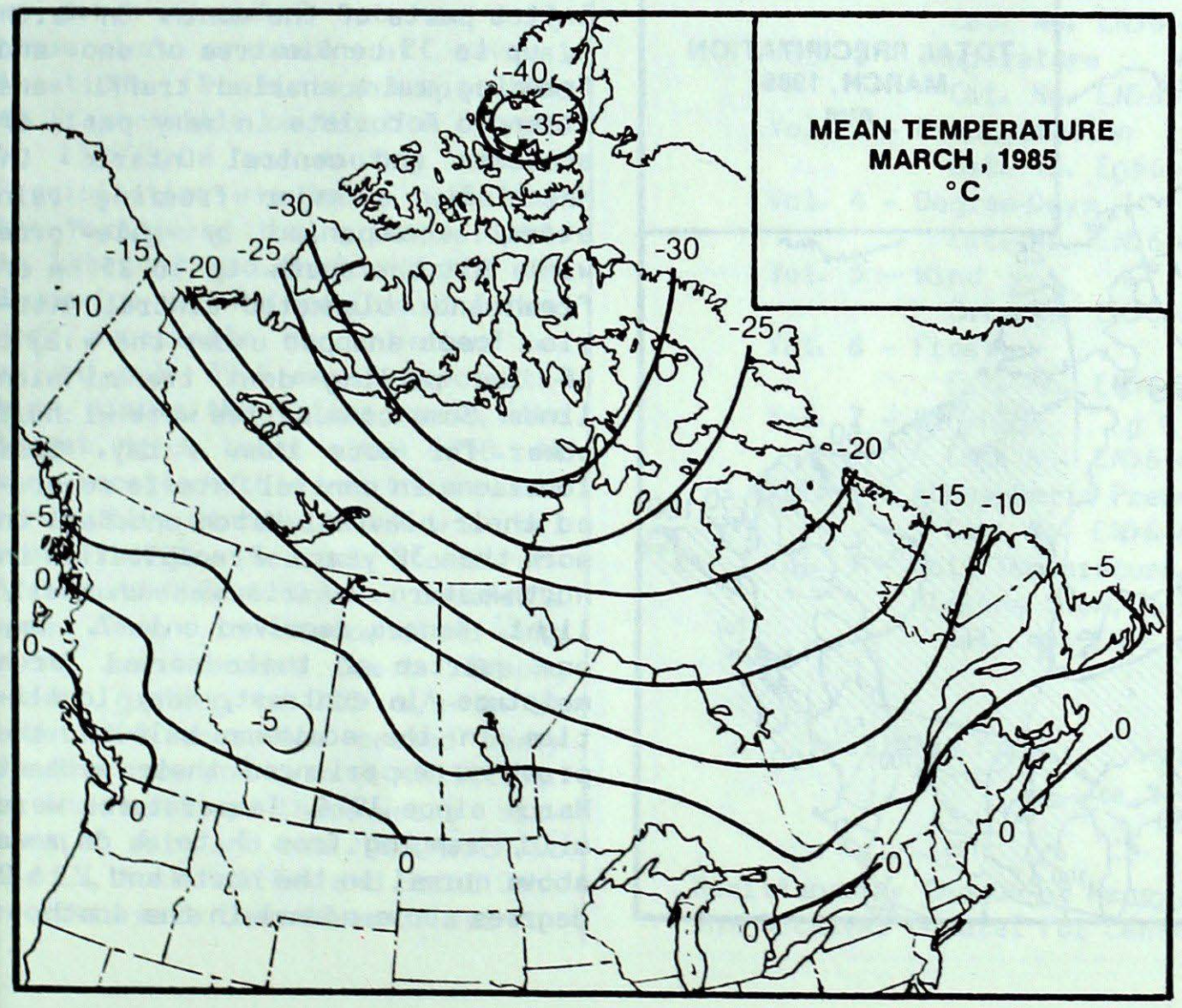
Climatic Perspectives

Monthly Supplement

Vol.7 March, 1985





ACROSS THE COUNTRY

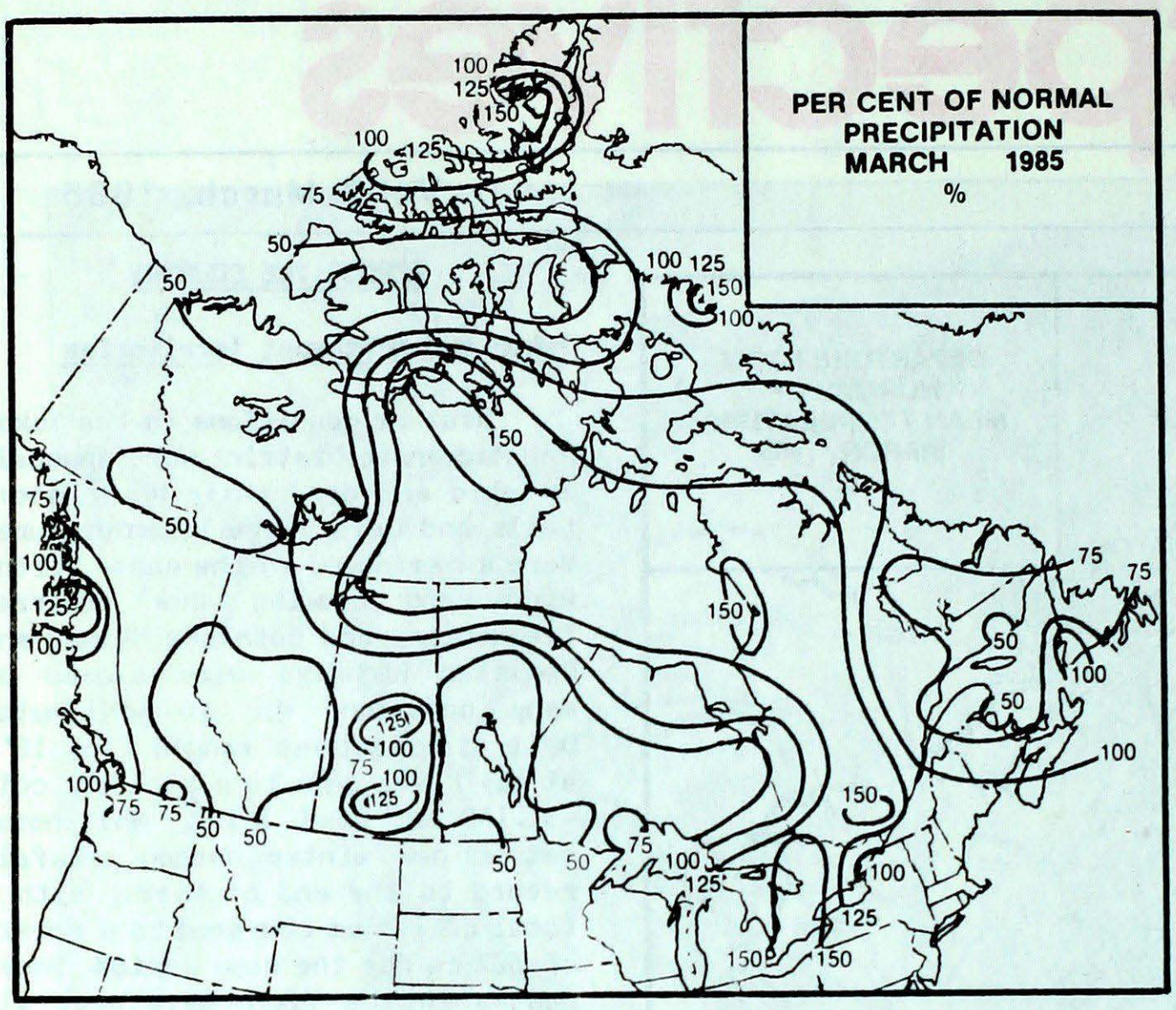
Yukon and Northwest Territories

Weather conditions in the Yukon and Mackenzie District were unusually mild and dry, while heavy snowfalls and below normal temperatures were experienced in the east. Strong winds and blowing snow occurred frequently, and both the Haines and Dempster Highways were closed on many occasions due to whiteouts. Daily temperatures ranged from 10°C at Hay River down to a bitterly cold -51.1°C at Pond Inlet. Whitehorse set a new winter season snowfall record to the end of March, with a total of 175 cm compared to a normal of 122 cm for the same period. Snow-depths in the Yukon were near all time records and a potential cause for concern.

British Columbia

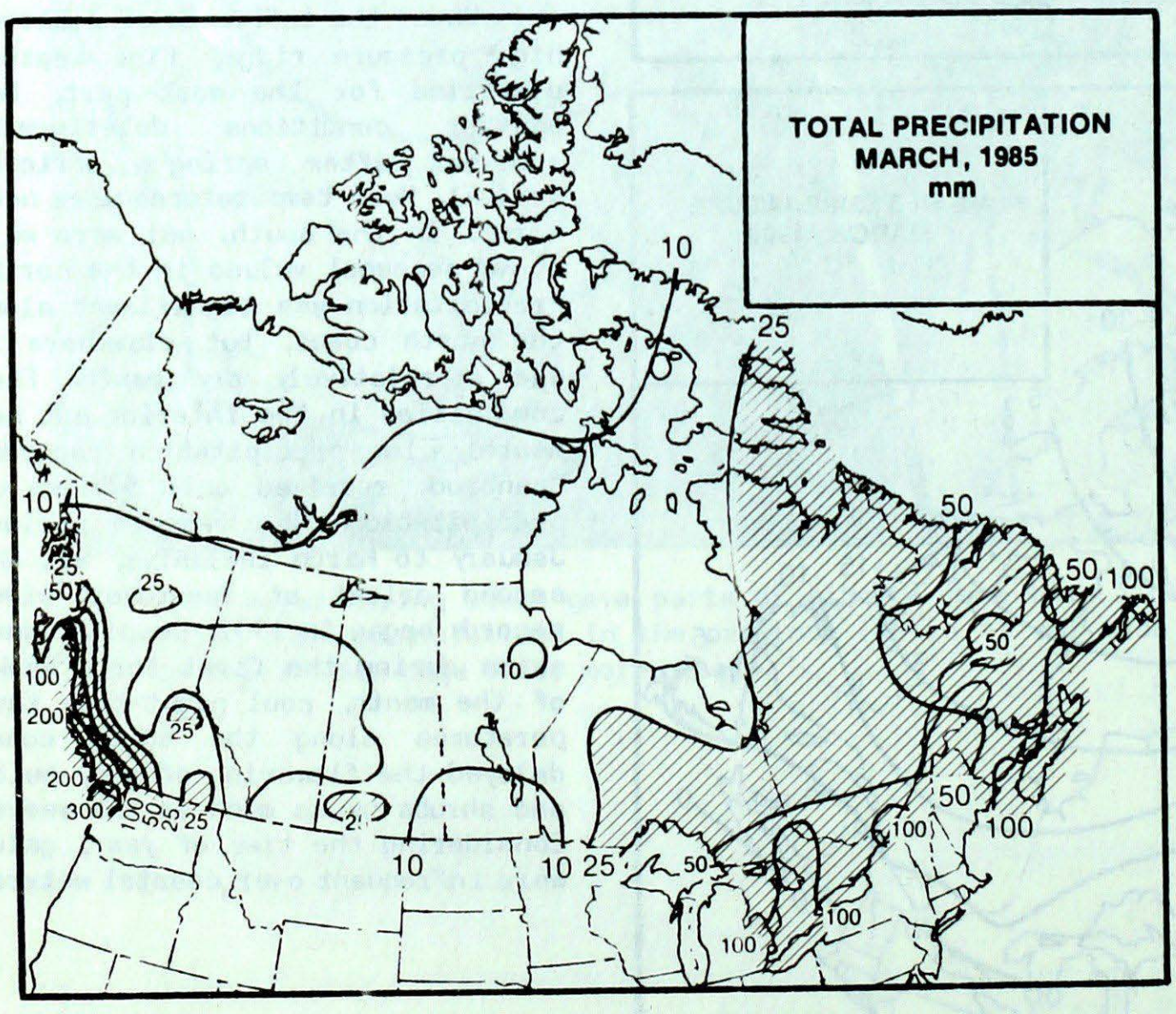
Under the influence of a strong high pressure ridge, fine weather prevailed for the most part, but weather conditions deteriorated somewhat after spring's official arrival. Mean temperatures were near normal in the south, but were well above seasonal values in the north. Precipitation was significant along the north coast, but elsewhere it was a relatively dry month. Five communities in the interior set new monthly low precipitation records. Cranbrook received only 5.7 mm of precipitation. The 3-month period, January to March inclusive, was the second driest at Vancouver since records began in 1937. Despite sunny skies during the first three weeks of the month, cool night-time temperatures along the south coast delayed the flowering of many bulbs and shrubs by as much as two weeks. Considering the time of year, gales were infrequent over coastal waters.

Canada



Prairies

March was a much warmer and drier than normal month. Only areas in the northeast recorded near or below normal temperatures. A number of maximum temperature records were broken during the middle of the month. The warmest reading was 18.6°C at Lethbridge, while temperatures in the 5 to 15 degree range were common elsewhere. Sunshine hours were well above normal in agricultural districts, and several locations set new March sunshine records. Most areas were very dry. Both Dauphin and Broadview recorded their lowest March precipitation on record, with 1.4 and 3.8 millimetres respectively. In contrast Collins Bay had the most precipitation, 48.5 mm, more than twice their normal. An intense disturbance tracking out of the American mid-west produced heavy snowfalls on March 21 and 22 ranging from 10 to 36 centimetres. With mild temperatures and little additional snowfalls, the snow on the ground dwindled rapidly, and by month's end most agricultural districts were snow-free.



Ontario

Two of the worst storms of the season hit a large portion of the province during the early and latter parts of the month. On March 4, up to 35 centimetres of snow and freezing rain snarled traffic and stranded motorists in many parts of southern and central Ontario. On March 31, a major freezing rain storm, accompanied by gale-force winds hit the south. Up to 25 cm of fresh snow blanketed central Ontario. Trees snapped under the weight of ice pulling down transmission lines. Some communities were without power for more than a day. Some locations in central Ontario recorded their heaviest March snowfall in more than 30 years. Precipitation in northwestern Ontario was unusually light. Kenora received only 7.4 mm, one quarter of their normal March moisture. In contrast, many localities in the southern half of the province experienced their wettest March since 1976. Temperatures were mild, ranging from 3 to 4 degrees above normal in the north and 1 to 2 degrees above normal in the south.

Quebec

In typical March fashion, weather conditions were quite variable, with periods of cold and snow, intermixed with brief periods of mild and sunny weather. Temperatures fluctuated widely, but overall averaged near normal. The north was cold and snowy, and snowfalls in the northwest were twice the seasonal average. The southwest received several heavy snowfalls and rain. More than 40 cm of snow blanketed the St. Lawrence Valley the first week of the month. On March 13, the Gaspé received 89 mm of rain and snow, establishing a new 24-hour precipitation record for the month. Precipitation was unusually light along the North Shore. In the mountainous regions of the province, skiing conditions were very good. Surprisingly sunshine was plentiful across the south. At the end of the month snow still covered the whole province with snow depths ranging from 8 to 121 centimetres.

Atlantic Provinces

In the Maritimes, it was frequently sunny, but cold. Clouds were more common in Newfoundland, where mean temperatures were 2 to 3 degrees below normal. A cold snap on March 6 and 7 set new daily temperature records at several locations. The minimum temperature at Stephenville on March 7 dropped to 23.5°C, a new monthly record. Precipitation was below normal in the Maritimes, but quite variable in Labrador and Newfoundland. New Brunswick and Prince Edward Island were especially dry. Chatham received only 39.8 mm of precipitation during the entire month, the lowest March total since 1950. At many locations this was the seventh consecutive month with below normal precipitation. Several storms affected the East Coast. Snowfalls were heavy in Newfoundland and along he Labrador Coast. Strong winds, gusting to 120 km/h on at least two occasions caused heavy blowing snow and zero visibilities. In the Maritimes there was a mixture of rain and snow. On March 12 and 13, both Halifax and Saint John received more than 60 mm of rain.

CLIMATIC EXTREMES IN CANADA - MARCH 1985

MEAN TEMPERATURE:			
	WARMEST	Victoria Gonzales Hts. BC	6.6°
	COLDEST	Eureka, NWT	-40.9°
HIGHEST TEMPERATURE:		St. Catharines, ONT	21.0°
LOWEST TEMPERATURE:		Pond Inlet, NWT	51.1°
HEAVIEST PRECIPITATION:		Ethelda Bay, BC	394.3 mm
HEAVIEST SNOWFALL:		Goose, NWT	109.4 cm
DEEPEST SNOW ON THE GROUND ON MARCH 31, 1985:		Battle Harbour, NFLD	141 cm
GREATEST NUMBER OF BRIGHT SUNSHINE HOURS:		Fort McMurray, ALTA	249 hrs

ADDITIONAL AES CLIMATE PUBLICATION

Statistical Climate Data

CANADIAN CLIMATE NORMALS 1951-1980

Vol. 1 - Solar Radiation
Cat. No. EN56-60/1-1982 $3.00 Foreign $3.60
Vol. 2 - Temperature
Cat. No. EN56-60/2-1982 $6.00 Foreign $7.20
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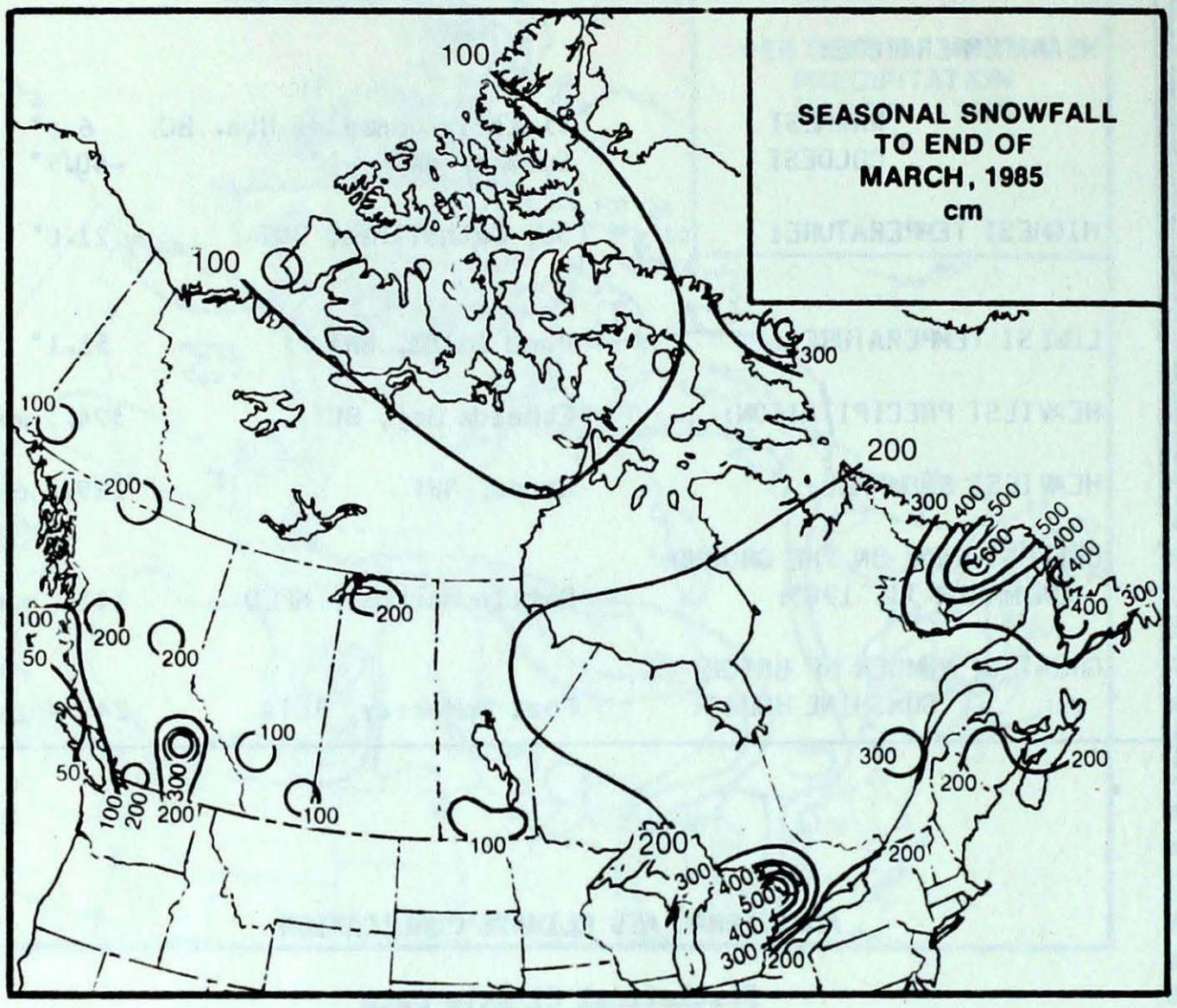
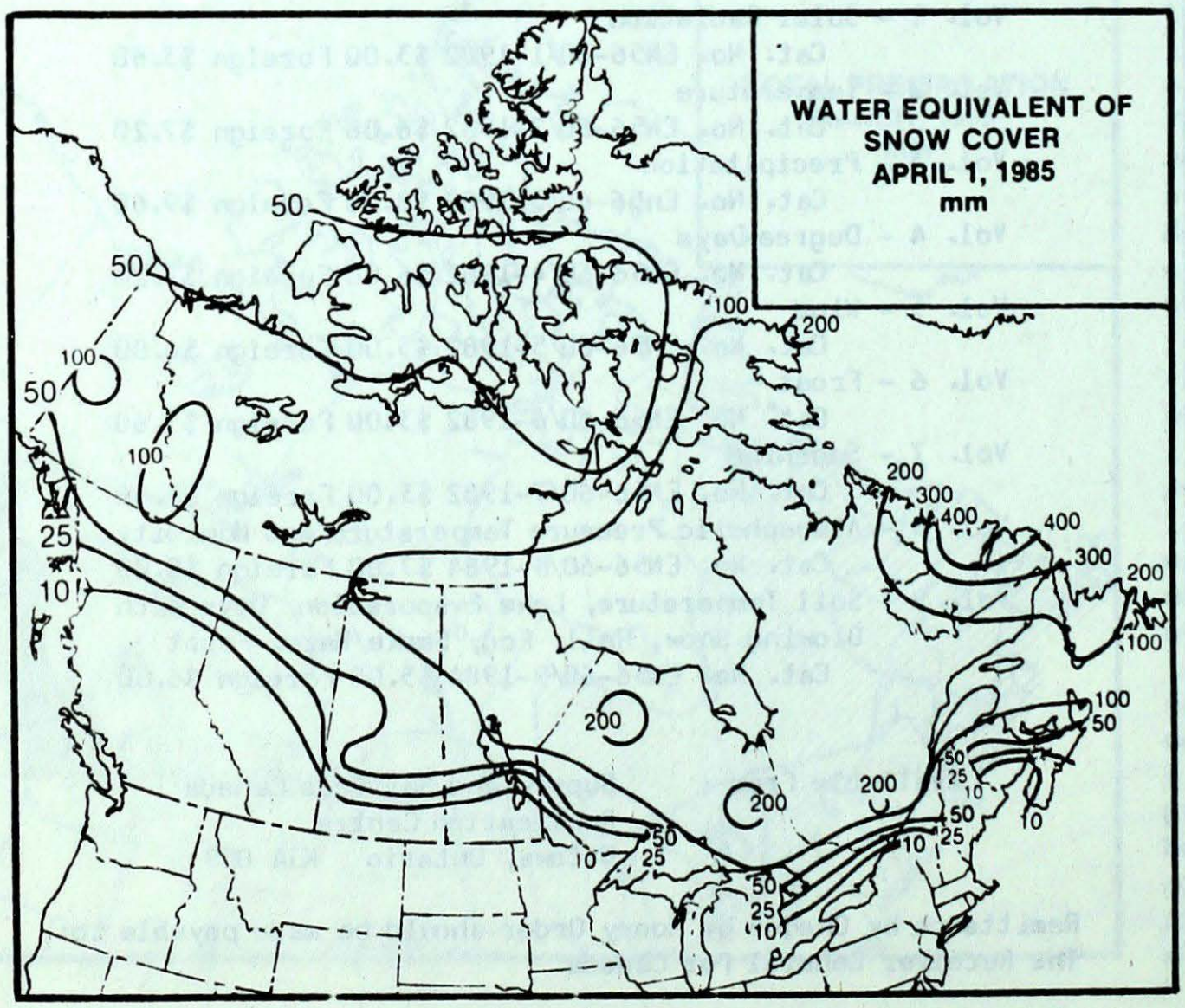
SNOWFALL





SEASONAL SNOWFALL TOTALS (CM)

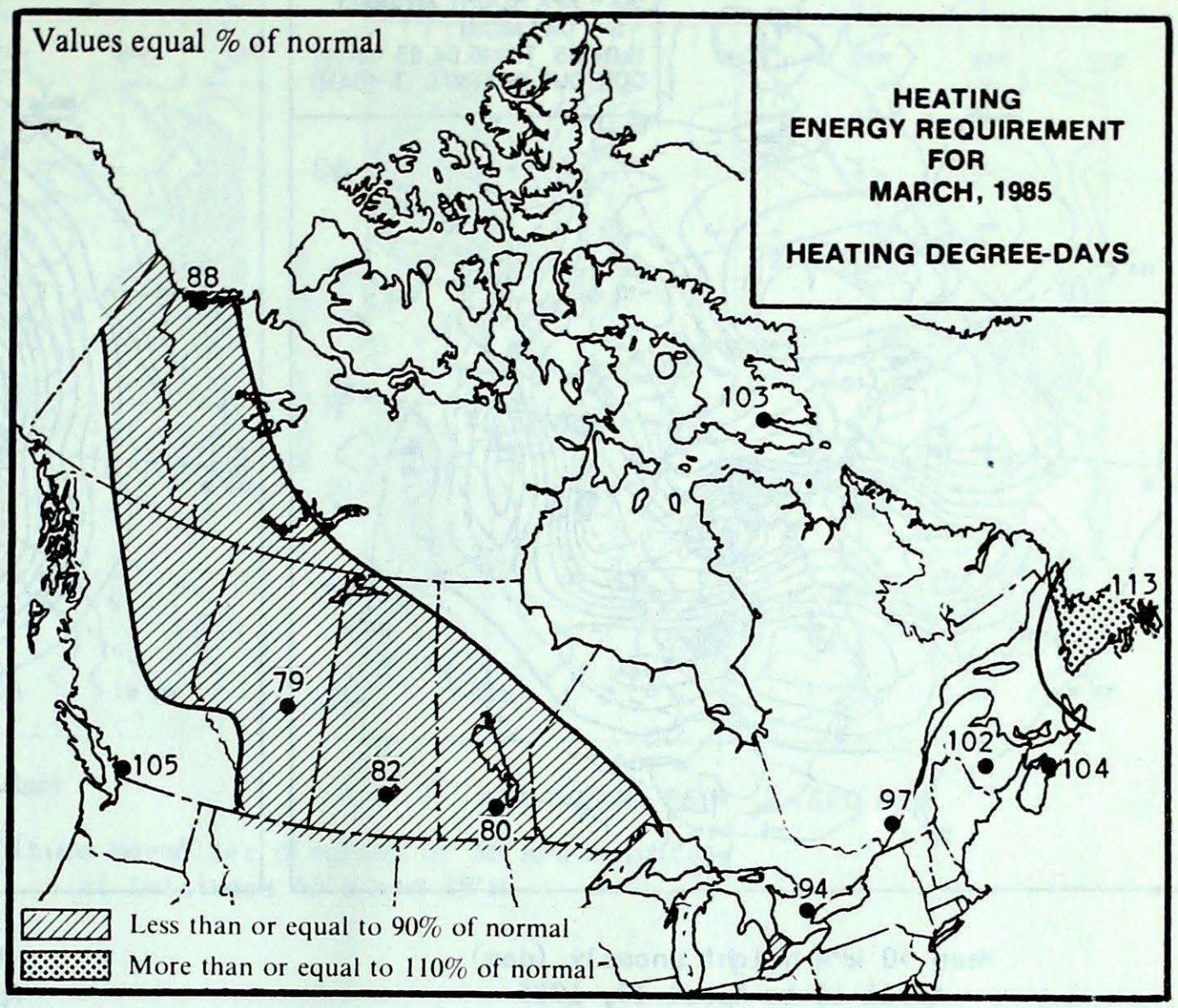
TO END OF MARCH

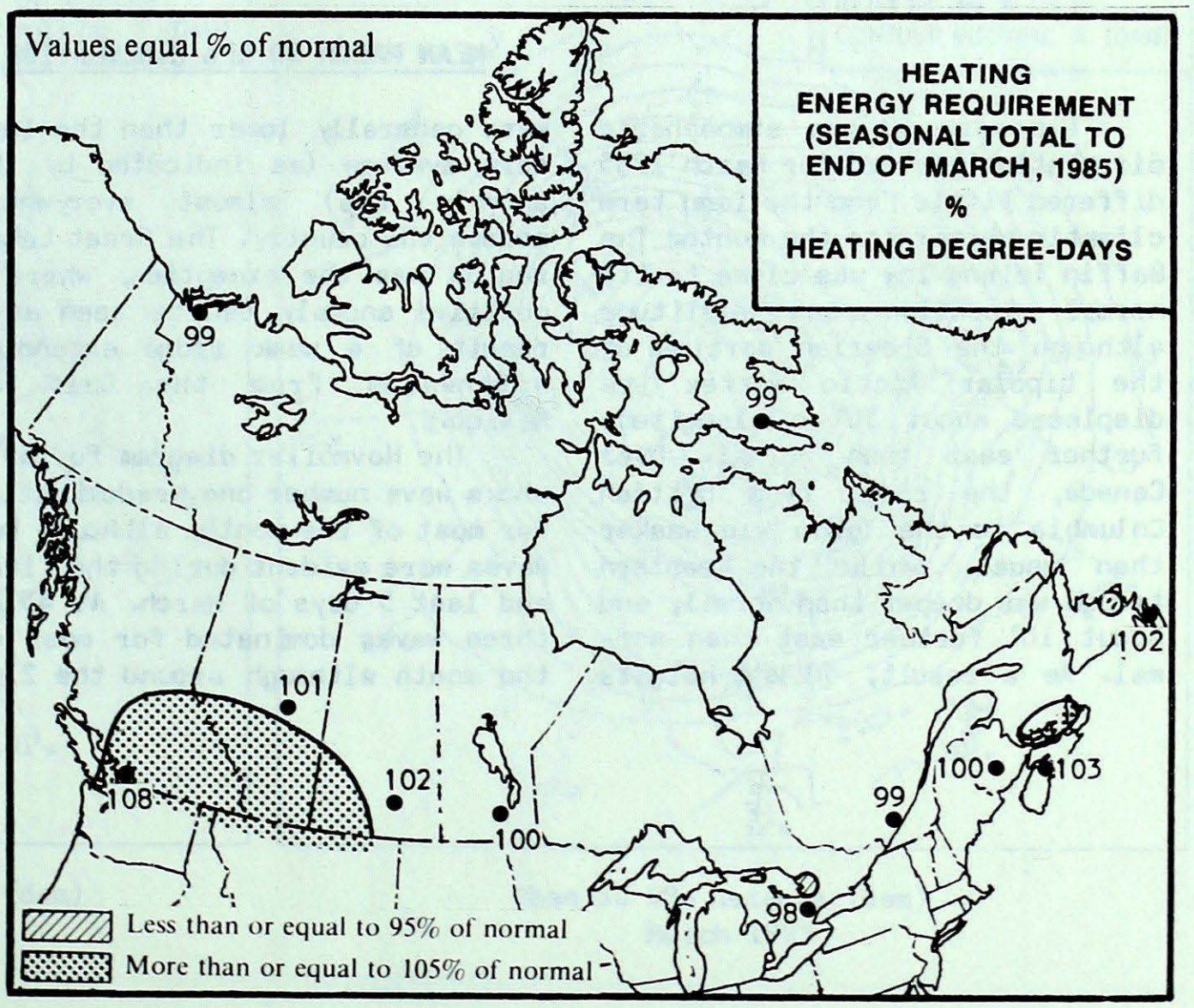
	1985	1984	NORMAL
YUKON TERRITORY			
Whitehorse	174.9	95.0	122.3
NORTHWEST TERRITORIES			
Frobisher Bay	192.2	132.5	193.4
Inuvik	113.2	138.4	144.9
Yellowknife	148.4	147.7	121.7
BRITISH COLUMBIA			
Kamloops	115.3	48.2	91.2
Penticton	72.2	63.5	75.8
Prince George	191.0	127.1	229.6
Vancouver	66.1	11.7	60.1
Victoria	73.8	19.3	49.6
ALBERTA			
Calgary	90.9	80.1	116.3
Edmonton Namao	115.6	69.8	116.9
Grande Prairie	141.5	109.1	164.3
SASKATCHEWAN			
Estevan	123.0	63.2	98.0
Regina	134.8	66.7	101.6
Saskatoon	124.1	56.8	101.6
MANITOBA			
Brandon	83.5	58.2	103.5
Churchill	162.2	190.8	150.2
The Pas	151.8	108.6	144.6
Winnipeg	89.0	61.5	111.7
ONTARIO			
Kapuskasing	283.4	223.7	284.8
London	*	261.0	199.4
Ottawa	218.9	258.3	217.9
Sudbury	296.5	245.8	229.3
Thunder Bay	185.2	141.1	192.6
Toronto	134.0	130.5	123.7
Windsor	149.8	125.6	113.2
QUÉBEC			
Baie Comeau	288.6	375.4	342.6
Montréal	212.5	238.3	223.7
Quebec	270.3	335.0	326.3
Sept-Iles	270.0	389.8	387.9
Sherbrooke	272.6	272.1	270.6
Val-d'Or	293.7	236.0	285.1
NEW BRUNSWICK			
Charlo	241.8	*	372.4
Fredericton	151.3	294.7	267.8
Moncton	208.7	299.1	310.6
NOVA SCOTIA			
Halifax	*	180.6	243.5
Sydney	247.8	272.5	287.2
Yarmouth	*	190.4	200.9
PRINCE EDWARD ISLAND			
Charlottetown	216.4	225.0	301.2
NEWFOUNDLAND			
Gander	332.8	409.5	342.2
St. John's	254.9	226.7	311.7

SEASONAL TOTAL OF HEATING ENERGY REQUIREMENT

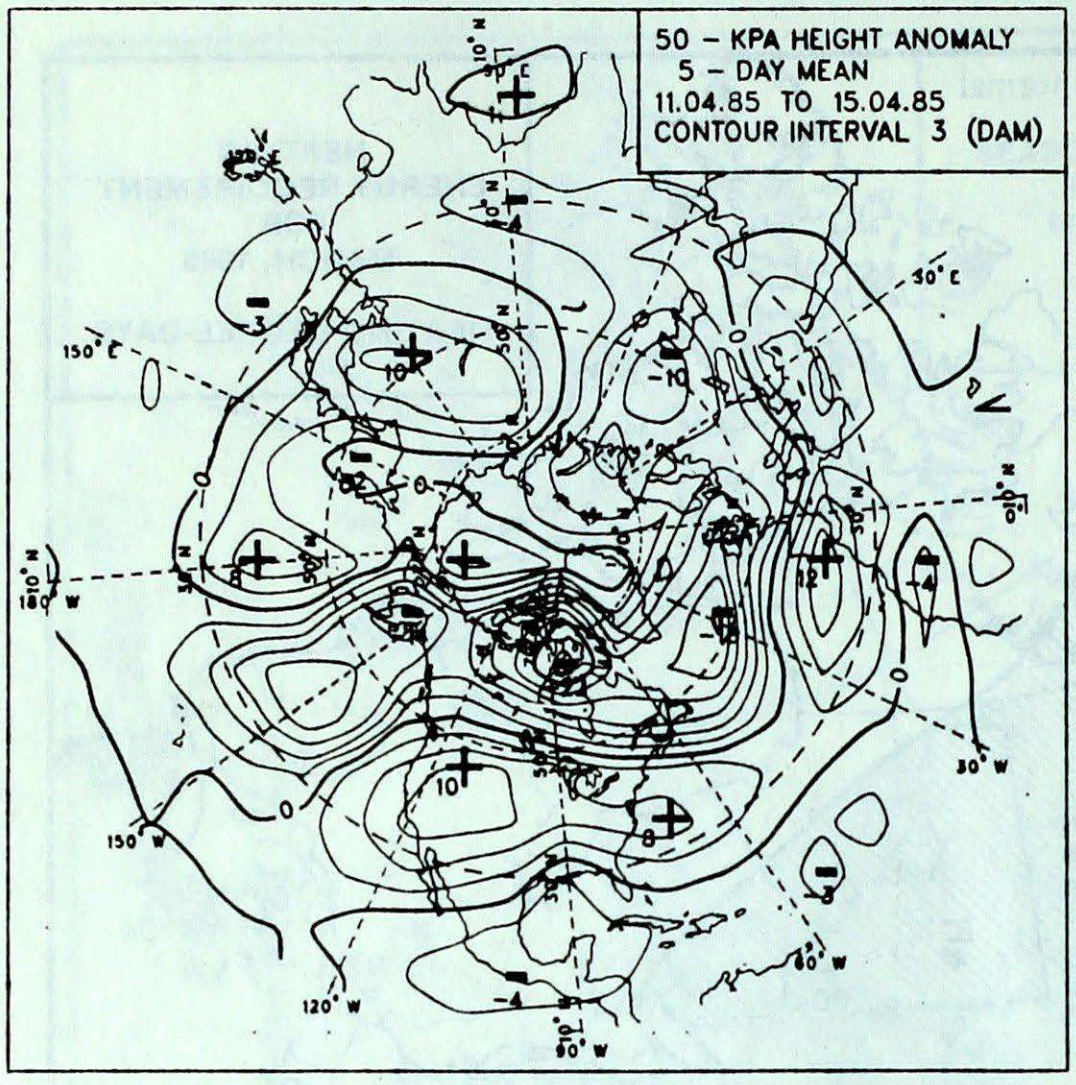
DEGREE-DAYS TO END OF MARCH

	1985	1984	NORMAL
YUKON TERRITORY			
Whitehorse	5728	5610	5790
NORTHWEST TERRITORIES			
Frobisher Bay	7736	8430	7812
Inuvik	8323	8428	8385
Yellowknife	7472	6809	7187
BRITISH COLUMBIA			
Kamloops	3546	3181	3326
Penticton	3383	2963	3048
Prince George	4681	4215	4556
Vancouver	2689	2392	2484
Victoria	2735	2415	2506
ALBERTA			
Calgary	4575	4267	4514
Edmonton Mun.	4871	4321	4832
Grande Prairie	5449	4737	5272
SASKATCHEWAN			
Estevan	4840	4521	4810
Regina	5286	4808	5171
Saskatoon	5452	4859	5309
MANITOBA			
Brandon	5710	4869	5559
Churchill	7372	7021	7378
The Pas	5889	5327	5838
Winnipeg	5145	4943	5138
ONTARIO			
Kapuskasing	5370	5436	5419
London	3383	3649	3504
Ottawa	3928	4094	4079
Sudbury	4525	4654	4636
Thunder Bay	4715	4783	4851
Toronto	3405	3709	3460
Windsor	3037	3322	3116
QUEBEC			
Baie Comeau	4951	4962	4875
Montréal	3895	4009	3930
Quebec	4309	4371	4348
Sept-Iles	5084	5157	5039
Sherbrooke	4345	4358	4456
Val-d'Or	5207	5211	5213
NEW BRUNSWICK			
Charlo	4462	4495	4351
Fredericton	3975	3924	3968
Moncton	3925	3846	3914
NOVA SCOTIA			
Halifax	3448	3221	3355
Sydney	3731	3486	3505
Yarmouth	3180	3100	3222
PRINCE EDWARD ISLAND			
Charlottetown	3907	3629	3730
NEWFOUNDLAND			
Gander	4241	4057	3999
St. John's	3836	3640	3712

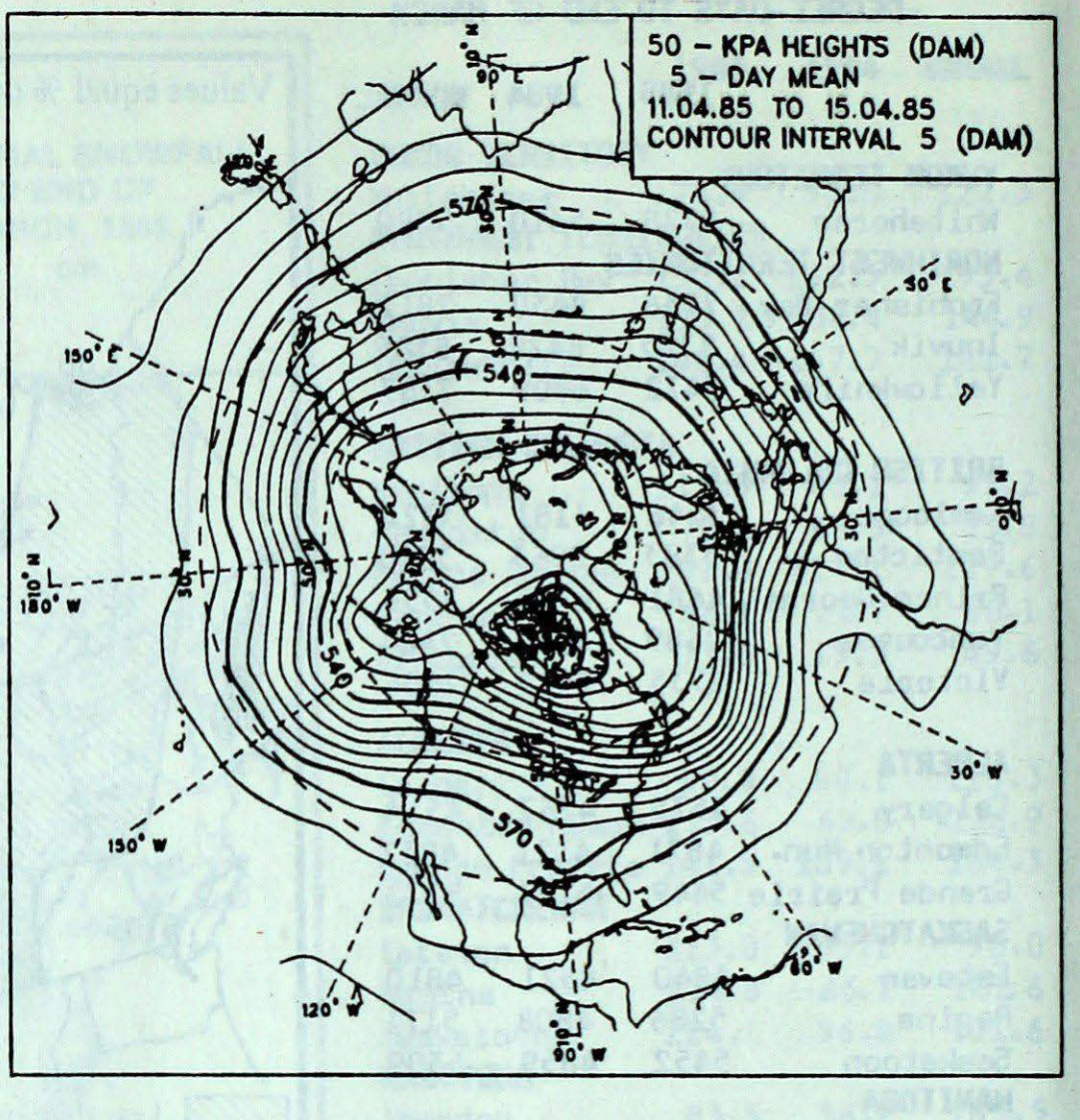




ATMOSPHERIC CIRCULATION



Mean 50 kPa height anomaly (dam)
April 11 to April 15, 1985



Mean 50 kPa heights (dam)
April 11 to April 15, 1985

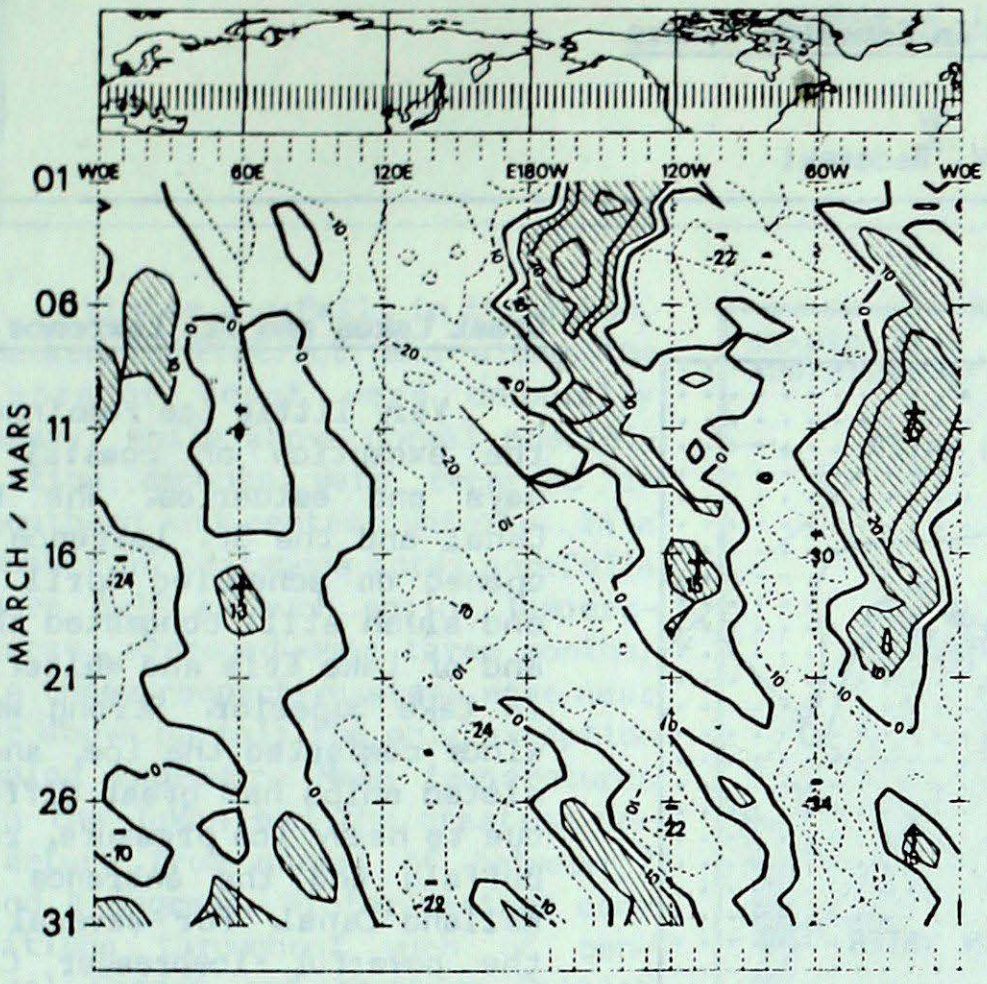
MEAN MARCH 50 kPa CIRCULATION

The mean 50 kPa atmospheric circulation pattern for March 1985 differed little from the long term climatic normal for the month. The Baffin Island low was close to its normal location and amplitude although the Siberian portion of the bipolar Arctic vortex was displaced about 30° of longitude further east than normal. Over Canada, the ridge from British Columbia to the Yukon was weaker than usual, while the eastern trough was deeper than normal, and about 10° further east than normal. As a result, 50 kPa heights were generally lower than the long term average (as indicated by the anomaly map) almost everywhere across the country. The Great Lakes region was the exception, where a positive anomaly can be seen as a result of a weak ridge extending northwards from the Gulf of Mexico.

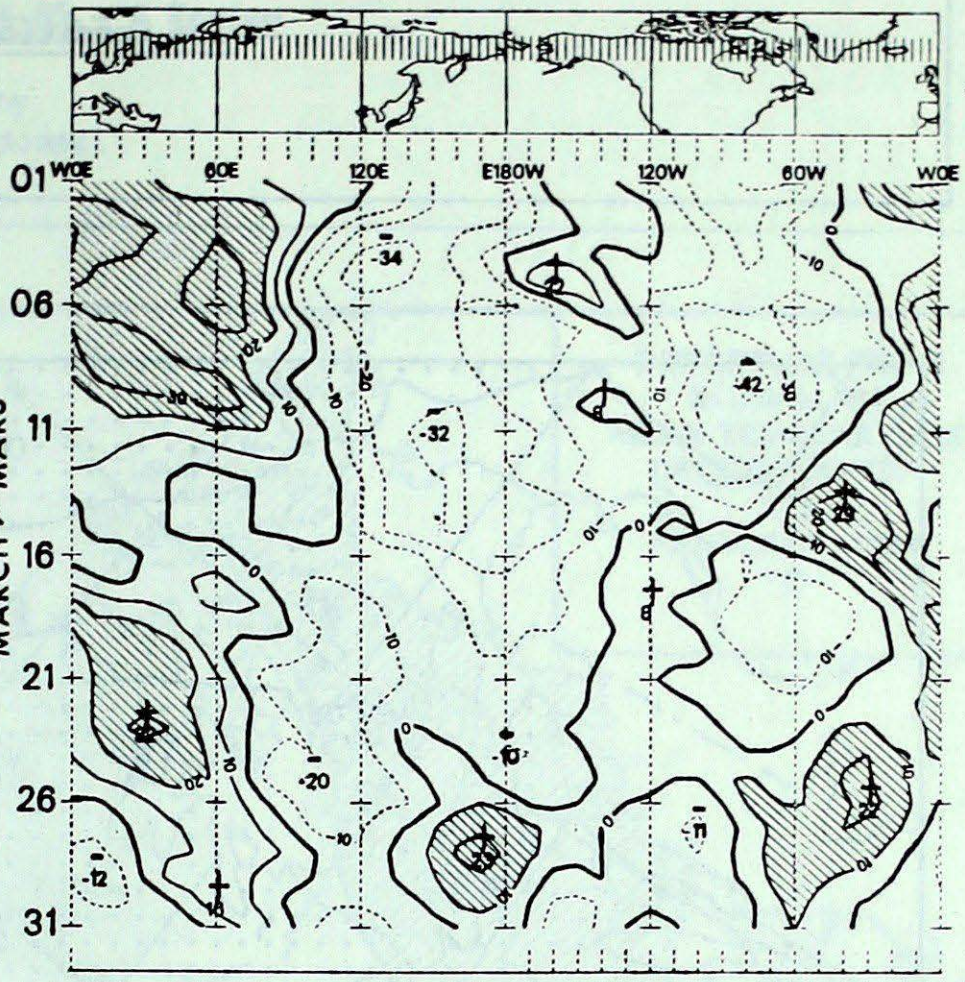
The Hovmöller diagram for 65°N shows wave number one predominating for most of the month, although two waves were evident during the first and last 5 days of March. At 45°N, three waves dominated for most of the month although around the 23rd the circulation readjusted itself to a transitory wave 5 regime. During the first three weeks of March the strong, longlived ridges over the Pacific and the Atlantic converged towards each other as the former progressed and the latter retrogressed.

In general, the mean northwesterly flow over the eastern half of Canada produced cooler than normal temperatures while a warmer than normal temperature regime was associated with the western ridge.

ATMOSPHERIC CIRCULATION

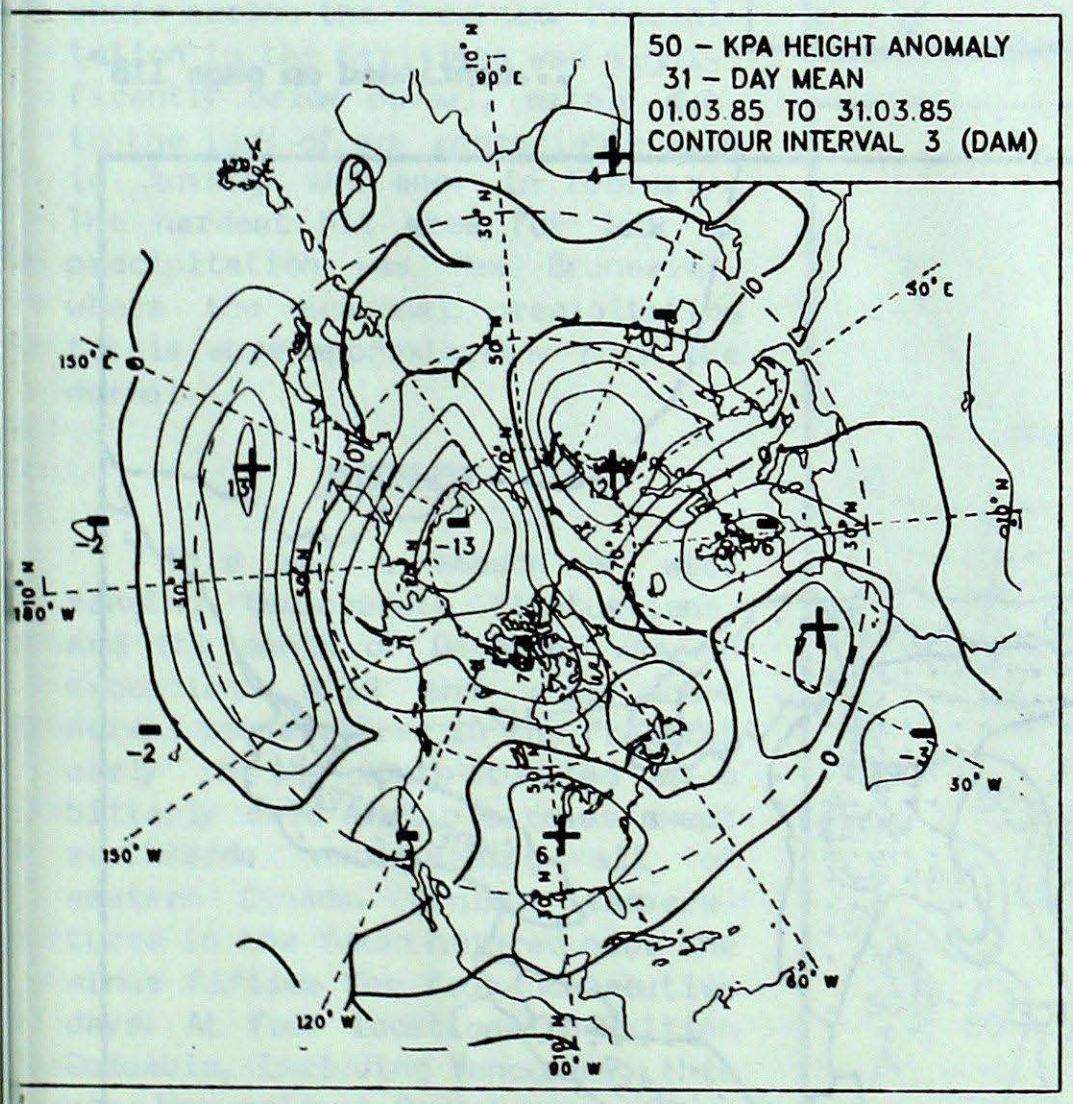


50 kPa 45°N $\bar{Z}$ = 550 dam

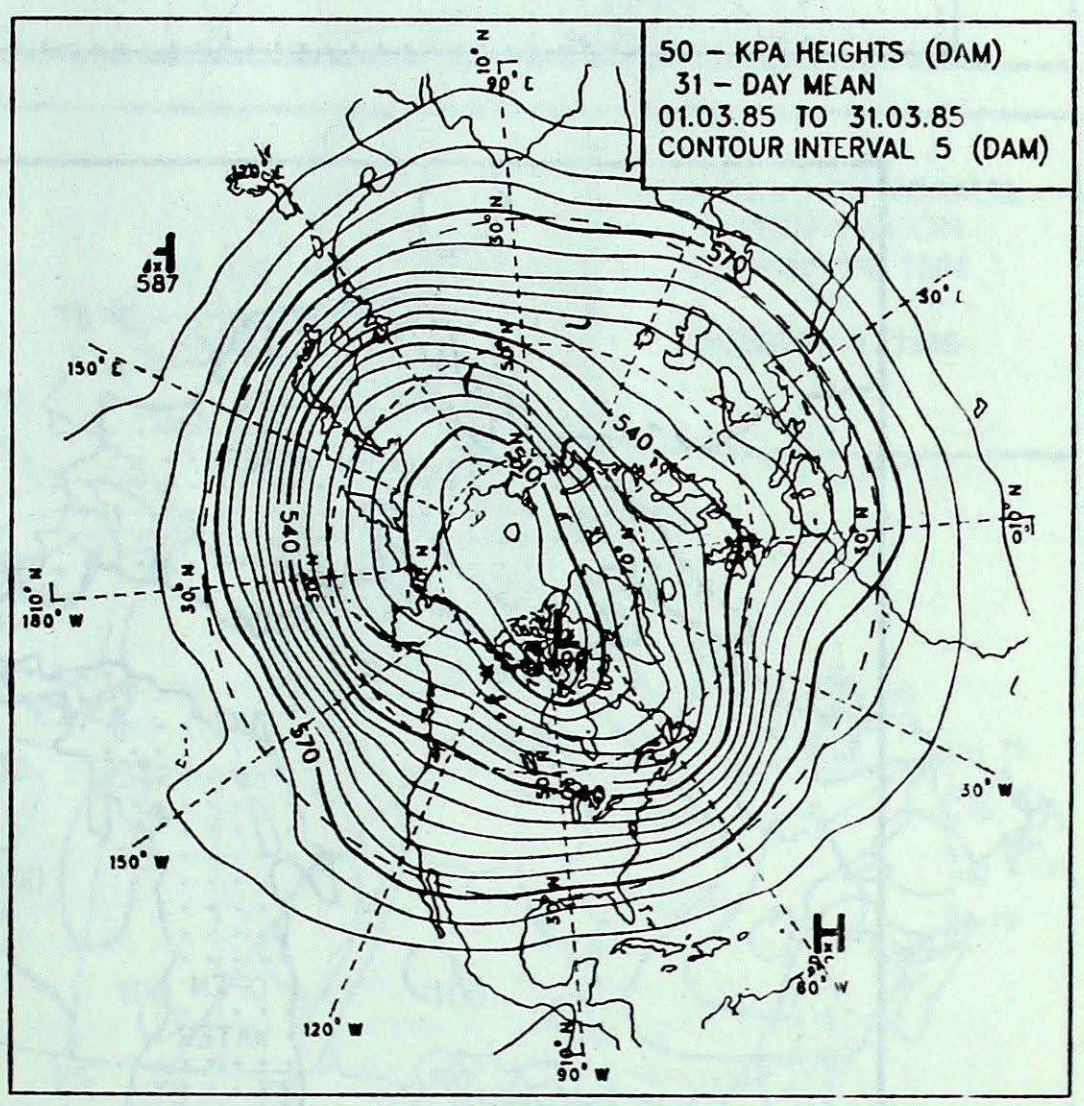


50 kPa 65°N $\bar{Z}$ = 520 dam

Time-longitude Hovmöller diagrams of 50 kPa heights
at latitudes 45°N and 65°N



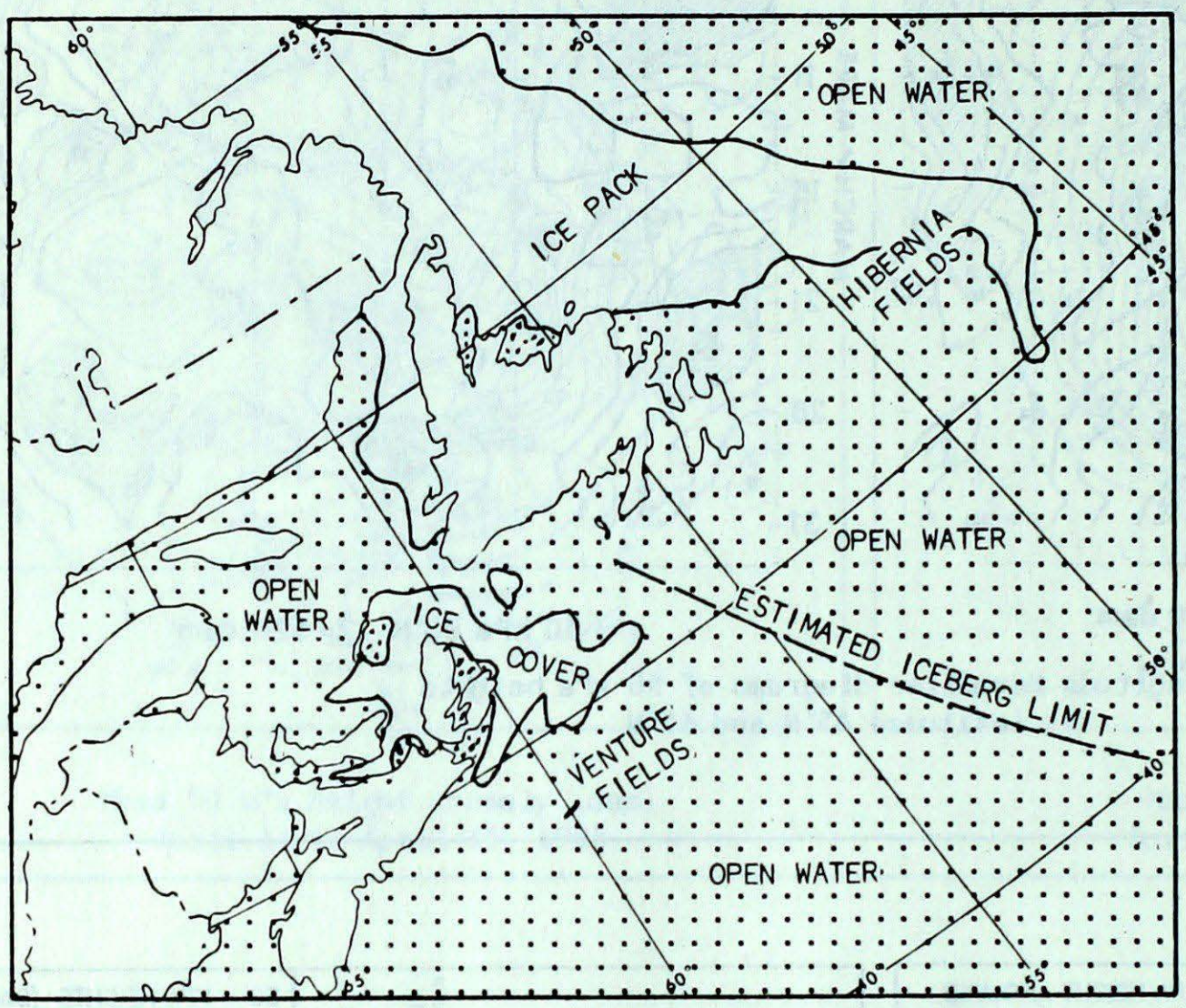
Mean 50 kPa height anomaly (dam)
March 1985



Mean 50 kPa heights (dam)
March 1985

Ice Conditions In Canadian Waters

by
A.K. Radomski



Great Lakes and St. Lawrence River:

Very little ice remained, with the exception of coastal areas, bays and estuaries. The Welland Canal and the St. Lawrence Seaway opened on scheduled April 1. Ice and slush still congested the east end of Lake Erie and Whitefish Bay in Lake Superior. Strong westerly winds compacted the ice, and unassisted ships had great difficulty, due to heavy ice pressure, reaching Buffalo and the entrance of the Welland Canal. For several weeks, the powerful icebreaker C.C.G.S. Des Groseillier and the U.S.C.G.C. Neah Bay had the seemingly endless task of keeping the shipping lanes open. Two Canadian and two American icebreakers also had a difficult time assisting vessels through heavy ice in Thunder Bay and Whitefish Bay.

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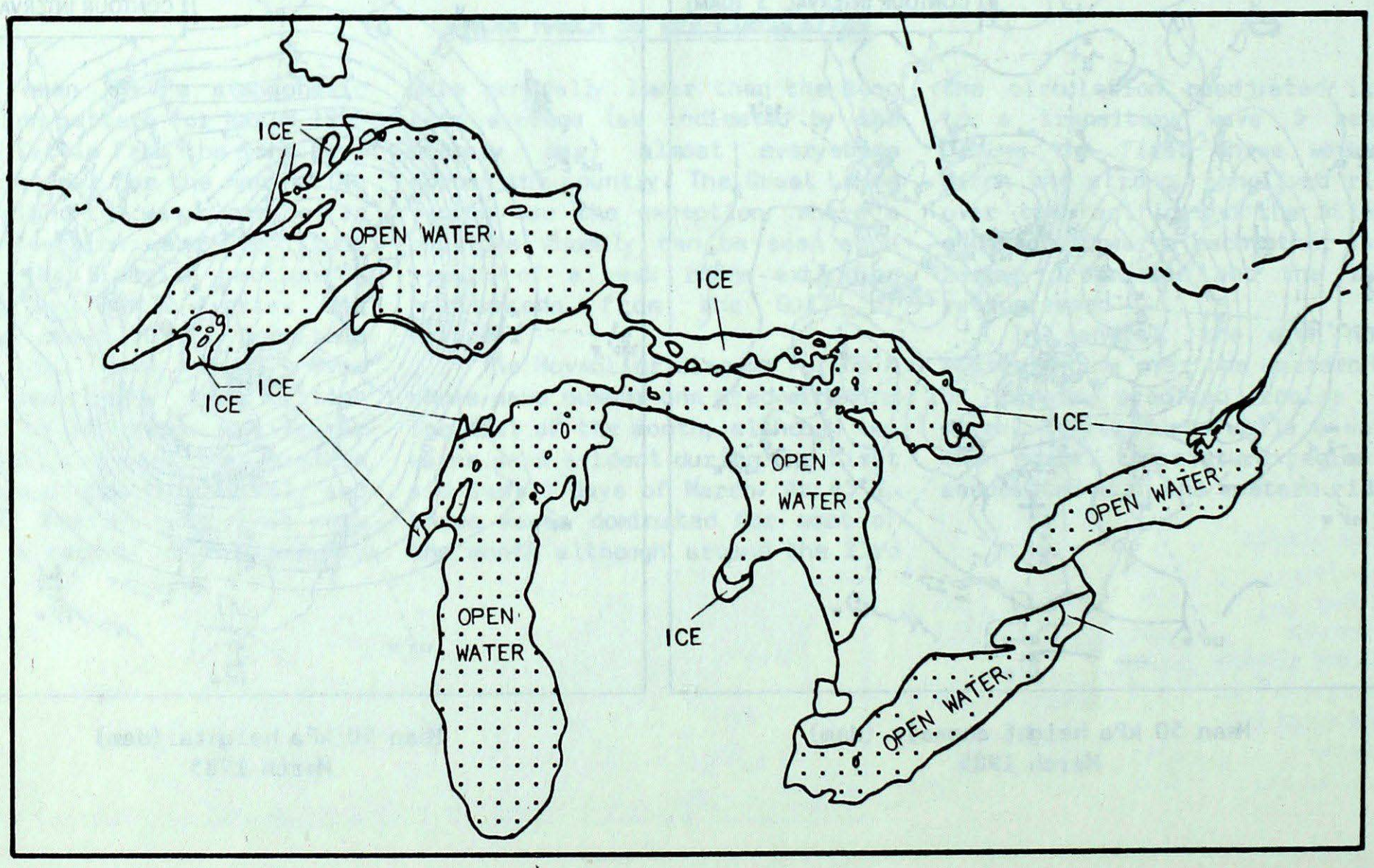
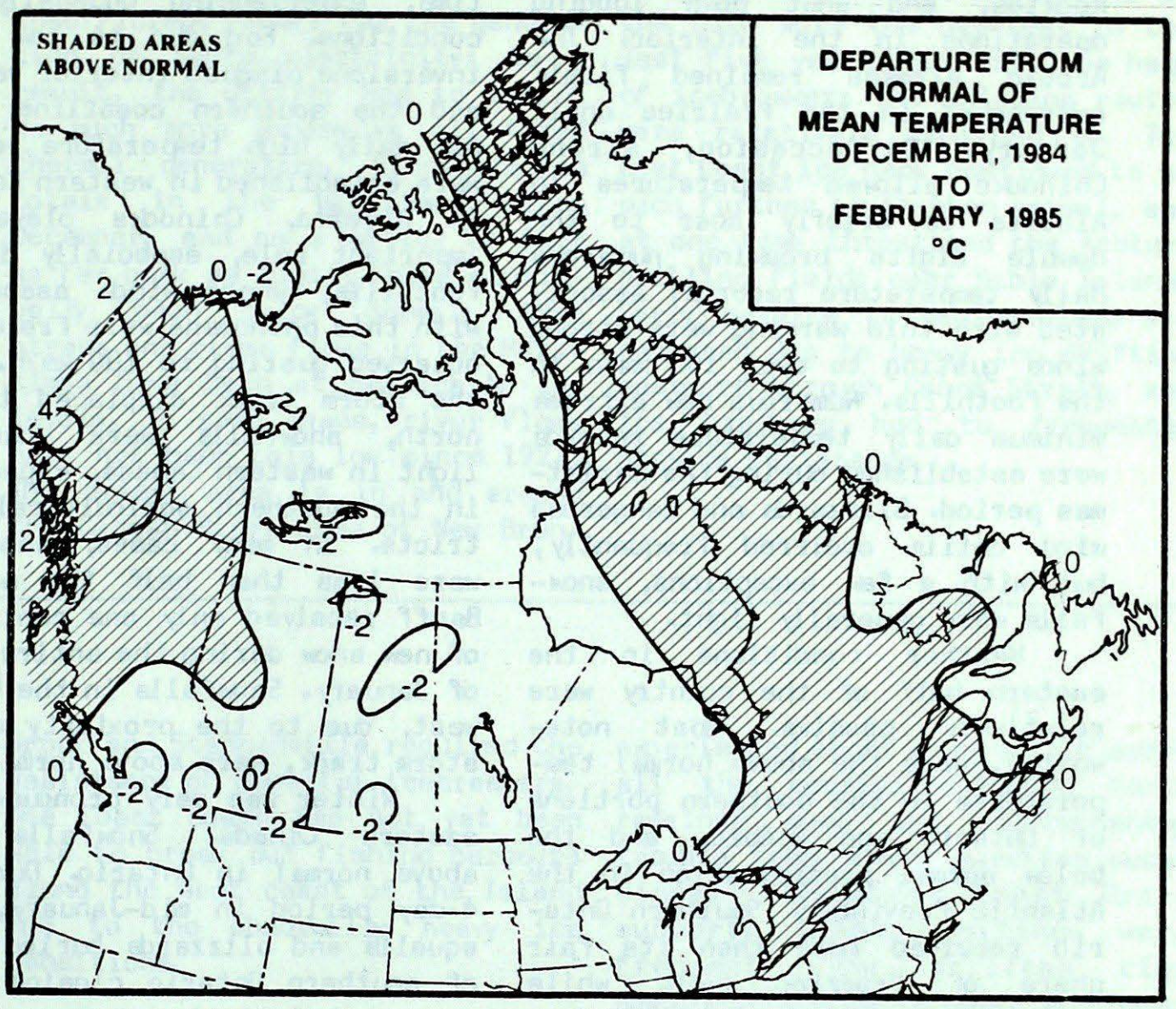
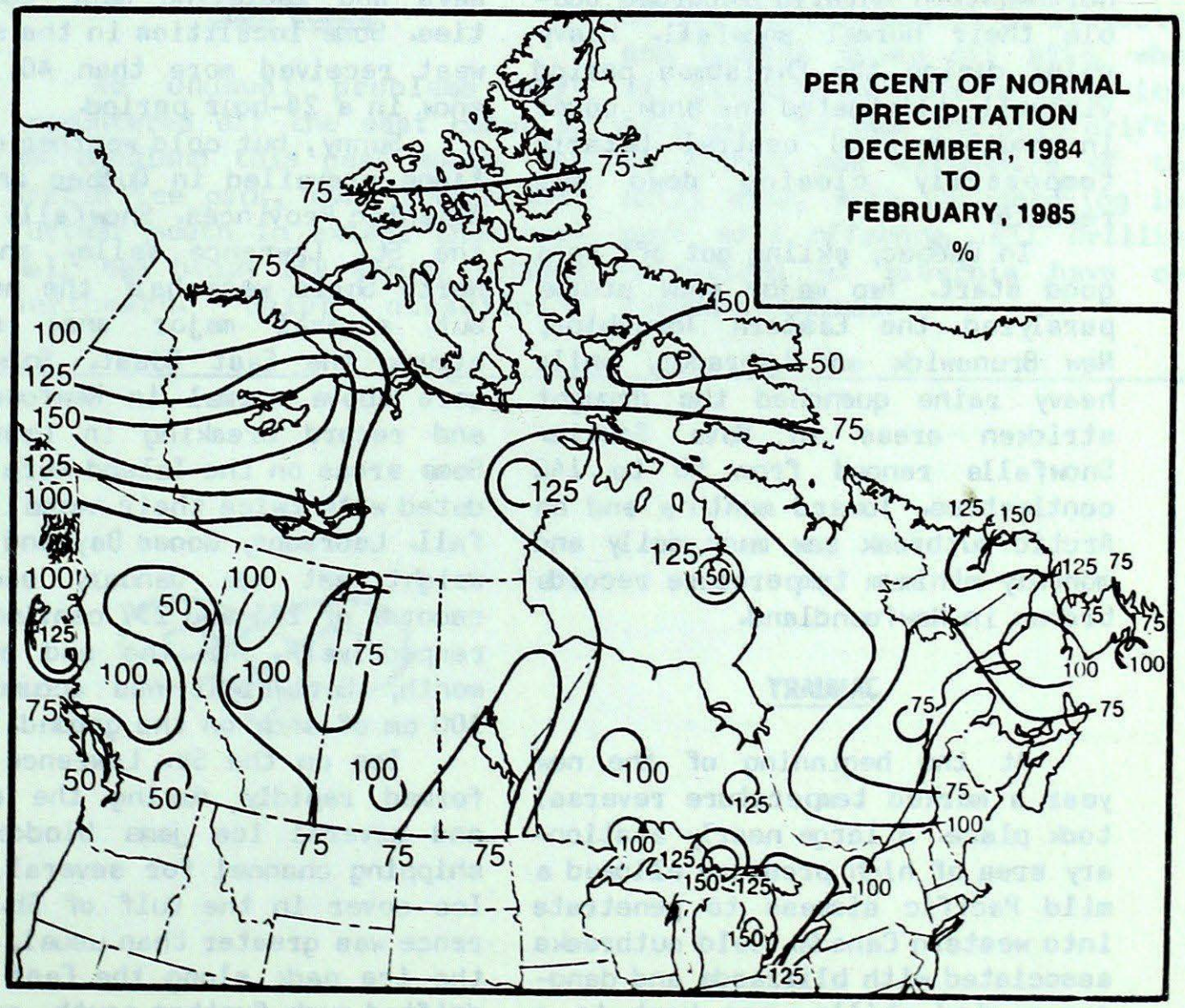


Winter of 1984-85 - A Review

by
A. Radomski

Winter snowfalls in the Yukon, Mackenzie District and along the Labrador coast were unusually heavy, while above normal precipitation amounts were recorded in southern and central Ontario. In a number of instances total snowfalls were half as much again. Temperatures, averaged over three months, in these respective areas were near or above normal; the only exception being Labrador. Mean temperatures in the Yukon had the greatest departure from normal of between 2 and 4 degrees. Winter weather conditions throughout much of central Canada and southern British Columbia were cold and dry. Several localities in southern British Columbia and on Vancouver Island recorded only half their normal precipitation during the entire three month period. Temperatures in the Okanagan were 3° below normal. Snowfalls in southern Québec were below normal, but near normal elsewhere across the Province. Precipitation in the Maritimes was significantly below normal, mainly due to the lack of any appreciable rain in January and snow in February. The hardest hit area for lack of precipitation was New Brunswick, where the seasonal precipitation totals were approximately half the normal.





DECEMBER

This was a season of wide ranging temperature fluctuations, and the month of December was no exception. Mild and well above normal temperatures in the Prairies early in the month tumbled as a bitterly cold Arctic airmass swept southwards encompassing all of western Canada. Minimum temperatures in the Yukon hovered near the minus fifties for four consecutive days. At four locations in British Columbia, including Vancouver, this was the coldest December ever recorded. In addition, several long standing monthly minimum tempera-

ture records were smashed. Gales were frequent along the British Columbia coast, and on December 28 and 29, near blizzard conditions affected a large portion of the lower mainland. The extreme cold temporarily curtailed skiing in the Rockies, and shut down logging operations in the interior. The Arctic airmass remained firmly entrenched in the Prairies until January. On occasion, strong Chinooks allowed temperatures in Alberta to briefly soar to the double digits breaking numerous daily temperature records; associated with this warming were strong winds gusting to over 100 km/h in the foothills. Numerous new extreme minimum daily temperature records were established during the Christmas period. Blizzards and dangerous wind chills occurred frequently, but with a few exceptions, snowfalls were generally light.

Weather conditions in the eastern half of the country were relatively passive. Most noteworthy, were the above normal temperatures in the southern portions of Ontario and Québec, and the below normal precipitation in the Atlantic Provinces. Southern Ontario received more than its fair share of freezing rain, while northwestern Ontario recorded double their normal snowfall. Heavy rains during the Christmas period virtually eliminated the snow cover in southern and central Ontario temporarily closing down ski resorts.

In Québec, skiing got off to a good start. Two major snow storms paralyzed the Eastern Townships, New Brunswick and Labrador, while heavy rains quenched the drought stricken areas in Nova Scotia. Snowfalls ranged from 50 to 140 centimetres. Toward month's end an Arctic outbreak saw many daily and monthly minimum temperature records broken in Newfoundland.

JANUARY

At the beginning of the new year a marked temperature reversal took place. A large nearly stationary area of high pressure allowed a mild Pacific airmass to penetrate into western Canada. Cold outbreaks associated with blizzards and dangerous wind chills were kept to a minimum. Highest January temperature anomalies were recorded in the Northwest, where temperatures averaged between 10 and 20 degrees above normal. Many locations in British Columbia recorded their warmest January ever, at the same time, experiencing unusually dry conditions. Fog due to low level inversions plagued interior valleys and the southern coastline. Many new daily high temperature records were established in western Canada. In Alberta, Chinooks played an important role, especially in the foothills, where winds associated with this phenomena were frequently observed gusting to 100 km/h. With the storm track displaced to the north, snowfalls were unusually light in western Canada, especially in the southern agricultural districts. In many cases, snowfalls were less than half the normal. Banff received only one centimetre of new snow during the entire month of January. Snowfalls in the Northwest, due to the proximity of the storm track, were above normal.

Winter was very pronounced in eastern Canada. Snowfalls were above normal in Ontario. During a 4-day period in mid-January, snow squalls and blizzards buried parts of southern Ontario closing highways and isolating many communities. Some localities in the southwest received more than 40 cm of snow in a 24-hour period.

Sunny, but cold weather conditions prevailed in Québec and the Atlantic Provinces. Snowfalls along the St. Lawrence Valley and the North Shore were half the normal, but several major snow storms struck the East Coast. Snowfalls were above normal in Newfoundland and record breaking in Labrador. Some areas on the Island were inundated with twice their normal snowfall. Labrador, Goose Bay and Cartwright set new January snowfall records of 235 and 237 centimetres, respectively. At the end of the month, Cartwright had accumulated 300 cm of snow on the ground.

Ice on the St. Lawrence River formed rapidly during the month, and several ice jams blocked the shipping channel for several days. Ice cover in the Gulf of St. Lawrence was greater than usual, while the ice pack along the East Coast drifted much further south, and was more extensive than normal forcing five ocean drilling rigs to leave the Hibernia site. Canadian ice breakers were kept busy keeping shipping routes open to navigation.

FEBRUARY

A strong on-shore flow allowed a series of Pacific weather systems to approach the coast, and move inland. Gale occurred quite regularly along the coast. On February 11, gale force winds were observed gusting to 176 km/h along the outer coastline. With the exception of the southern agricultural districts, snowfalls were unusually heavy in western Canada, especially in central and northern British Columbia, the Yukon, Northwest Territories and northern Manitoba. Several locations established new monthly snowfall records. In one, two-day period, communities adjacent to the north coast were inundated with more than 100 cm of snow, while two metres of fresh powder fell in the mountains. Extremely cold Arctic air streamed southward from the Beaufort frequently dropping temperatures to the minus fifties in the Yukon and Northwest Territories, and the mid-minus forties in the Prairies breaking many daily minimum temperature records. Traveller warnings were issued systematically for the Yukon and Mackenzie District due to blowing snow and extreme wind chills. On February 8 and 9, communities in southern Saskatchewan experienced a fierce blizzard. On February 14, heavy thunderstorms developed in the British Columbia interior and crossed into the Grande Prairie district of Alberta accompanied by heavy snow squalls and damaging winds. Temperatures moderated significantly by the middle of the month, and the weather became relatively spring-like.

In Ontario this was a month of sharp weather contrasts. It was bitterly cold during the early part of the month, after which a southerly flow allowed temperatures to moderate substantially. Mean temperatures were near or above normal throughout much of eastern Canada. Snowfalls were unusually heavy in southern and central Ontario. In

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...Winter cont'd from page 10B

addition, heavy rainfalls were experienced in the southwestern portion of the province, which contributed to heavy flooding in the Chatham District. Many monthly precipitation and snowfall records were broken across the southern half of the Province. At Windsor this was the snowiest February since 1965.

In Québec, February was a relatively tranquil, but cloudy month. Snowfalls were light, and as a result skiing conditions slowly deteriorated. Heavy rains fell in southwestern Québec during the latter part of the month, including a swath of freezing rain along the St. Lawrence Valley, which coated trees with several centimetres of ice.

Weather conditions were generally seasonal in the Maritimes, but changeable in Newfoundland. Total snowfall during February was well below normal even though several major storms buffetted the East Coast. Due to the relatively dry and cold winter, there has been insufficient runoff for the generation of hydro electricity; as a result, the utility had to switch to much more expensive oil fired thermal generators. Precipitation totals in the Maritimes since December, and as a matter of fact as far back as August, have continually been below normal, thus stream and river flows in the Maritimes have been at critically low levels. In some cases, river flows have not been this low since 1922. The driest area is in and around the Canaan River area of New Brunswick, where only 19 percent of the normal cumulative runoff has occurred since October 1984.

Mild weather during the latter half of February allowed earlier than normal ice break-up on the St. Lawrence River. Ice conditions in the Gulf were the heaviest in the last five years, but with the help of icebreakers the shipping routes were relatively trouble-free. The East Coast ice pack continued to be much further south than normal, and at one time threatened the Venture drilling fields near Sable Island. Ferry service to Newfoundland was hampered due to heavy ice drifting eastward through Cabot Strait, and ice breakers had to frequently provide assistance.

...Ice Conditions cont'd from 8B

Gulf of St. Lawrence

A large portion of the western Gulf was clear of ice, but because of below normal temperatures it has taken longer than normal. Persistent westerly winds have continually pushed loose ice through the Cabot Strait, and at one time the ice threatened the Venture drill sites near Sable Island. Ferry service to Newfoundland required icebreaker assistance up until two weeks ago. Ice conditions along the west coast of Newfoundland are the heaviest in the last five years. Vessels trying to reach Corner Brook and Stephenville required the assistance of powerful icebreakers. The Coast Guard has not yet been able to break out fishing harbours along the west coast of the Island due to the abnormally heavy ice conditions.

East Coast

No unusual problems were encountered off the east coast of Newfoundland this past month. The Arctic ice pack, even though much further south in extent than normal, has begun its annual retreat northward. Ships occasionlly experienced short delays, but overall the coastal shipping route remained open and predominantly trouble free. Ferry services occasionally required Coast Guard support. Iceberg sitings were frequent. The drilling rig, Bowdrill 3, 200 Km east southeast of St. John's, had to be evacuated and quickly moved off site, when all attempts to steer a large iceberg away failed. The berg drifted to within one killometre of the drill site. With the decaying ice pack well offshore, all drilling operations at Hibernia have returned to normal.

MARCH 1985

STATION	Temperature C Mean	Difference from Normal	Maximum	Minimum	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
BRITISH COLUMBIA													
ABBOTSFORD	5.3	-0.3	18.3	-4.1	9.4	82	109.0	78	0	12	150	133	395.3
ALERT BAY	5.0	-0.2	13.4	0.3	4.7	45	96.8	79	0	14	X		402.5
AMPHITRITE POINT	5.5	-0.7	10.6	0.1	2.1	47	321.6	94	0	17	X		389.1
BLUE RIVER	-1.2	0.3	14.0	-16.4	27.4	74	30.0	54	80	7	99	103	MSG
BULL HARBOUR	4.8	-0.1	11.6	-1.0	1.5	15	161.7	97	0	18	X		409.0
CAPE SCOTT	5.1	-0.3	10.2	0.3	12.9	111	230.6	98	0	23	X		400.5
CAPE ST JAMES	5.2	0.3	9.7	1.1	9.6	104	109.8	84	0	20	MSG		396.2
CASTLEGAR	2.7	-0.3	15.7	-7.4	21.8	100	30.0	53	0	7	157	128	473.8
COMOX	4.7	-0.3	12.1	-2.6	5.4	52	104.1	93	0	13	X		410.8
CRANBROOK	0.8	0.7	16.3	-10.6	4.6	24	5.7	34	0	1	201	122	519.8
DEASE LAKE	-5.5	1.9	7.3	-31.6	33.8	127	15.4	69	50	6	142	107	728.6
ESTEVAN	3.7	-0.5	11.2	-2.6	12.3	65	394.3	140	0	22	X		443.5
FORT NELSON	-4.2	5.6	11.9	-28.2	18.4	63	13.4	55	56	3	167	*	689.4
FORT ST JOHN	-1.5	5.1	11.3	-18.8	18.9	58	13.8	46	6	5	X		605.2
HOPE	5.7	0.1	19.5	-3.0	6.9	44	99.4	67	0	11	144	143	382.7
KAMLOOPS	3.9	0.4	16.6	-6.7	1.8	40	4.7	48	0	2	183	125	438.7
KELOWNA	2.9	0.6	15.4	-7.2	10.8	186	12.8	69	0	2	172	128	469.0
LANGARA	4.2	0.4	8.2	0.6	5.0	29	180.3	136	0	23	X		426.7
LYTTON	5.3	0.2	20.5	-5.8	17.4	189	17.9	63	0	2	161	111	392.6
MACKENZIE	-1.7	3.0	10.0	17.0	22.8	54	26.0	49	47	5	121	96	601.6
MCINNES ISLAND	5.1	0.1	11.9	0.1	48.1	332	373.3	171	0	25	X		400.5
PENTICTON	3.2	-0.7	15.1	-7.3	4.1	93	14.4	83	0	6	170	121	457.1
PORT ALBERNI	4.4	*	16.6	-5.6	7.4	*	128.0	*	0	12	122	*	MSG
PORT HARDY	4.6	0.2	14.0	-2.6	3.2	29	116.5	82	0	14	105	104	415.5
PRINCE GEORGE	0.2	2.0	9.3	-10.9	10.9	36	8.5	23	0	4	117	85	551.8
PRINCE RUPERT	3.1	0.1	10.2	-5.4	22.3	86	271.7	135	0	19	101	107	14.9
PRINCETON	1.3	0.3	15.7	-11.0	7.4	56	9.0	47	0	5	193	*	MSG
QUESNEL	0.5	0.9	11.8	-13.4	14.8	80	14.2	48	TR	4	X		541.6
REVELSTOKE	1.0	0.3	10.0	-9.7	13.0	41	20.8	24	36	5	146	143	526.5
SANDSPIT	4.4	0.5	10.9	-1.5	0.8	7	101.4	102	0	18	105	87	410.7
SMITHERS	0.2	1.5	9.4	-12.8	18.2	82	23.9	93	0	6	114	93	553.1
TERRACE	2.2	0.7	9.5	-3.0	46.2	105	112.1	135	0	15	96	88	490.1
VANCOUVER HARBOUR	6.0	-0.1	14.1	0.1	TR	0	113.0	74	0	12	X		369.4
VANCOUVER INT'L	5.2	-0.6	13.3	-2.4	2.8	42	101.9	101	0	14	146	113	397.1
VICTORIA GONZ. HTS	6.6	-0.1	11.9	1.7	0.0	0	23.6	50	0	4	169	112	353.9
VICTORIA INT'L	5.3	-0.4	13.0	-3.0	0.0	0	56.2	78	0	10	170	118	394.6
VICTORIA MARINE	5.4	-0.5	11.7	-2.0	0.0	0	69.9	61	0	10	X		389.0
WILLIAMS LAKE	-1.0	0.0	12.6	-15.2	9.1	42	5.6	25	24	4	145	90	599.3

STATION	Temperature C Mean	Difference from Normal	Maximum	Minimum	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
YUKON TERRITORY													
BURWASH	-11.2	1.2	5.7	-31.5	7.0	48	6.0	37	10	3	X		903.1
DAWSON	-12.0	2.5	3.8	-37.2	16.7	138	13.6	129	56	4	X		927.4
MAYO	-9.4	1.9	5.2	-36.7	15.4	142	7.8	75	32	3	X		849.1
WATSON LAKE	-8.5	2.4	7.5	-37.6	9.3	33	7.6	32	60	2	155	114	827.6
WHITEHORSE	-6.1	1.7	5.0	-26.7	12.2	74	6.8	50	36	2	178	116	745.4
NORTHWEST TERRITORIES													
ALERT	-33.8	-0.6	-9.6	-43.4	6.4	88	4.8	70	45	2	61	91	1605.0
BAKER LAKE	-30.1	-2.6	-10.9	-43.7	21.0	253	20.8	273	67	5	185	98	1491.4
CAMBRIDGE BAY	-32.5	-1.6	-15.8	-44.1	11.3	209	9.9	210	40	2	189	102	1563.9
CAPE DYER	-21.9	0.6	-0.5	-43.1	29.8	87	26.4	90	92	7	X		1236.7
CAPE PARRY	-24.7	2.5	-16.1	-35.8	4.6	43	2.8	45	9	0	X		1322.7
CLYDE	-27.8	-1.1	-7.6	-42.7	16.4	273	10.8	180	53	3	177	110	1409.2
COPPERMINE	-27.4	-0.7	-11.4	-41.5	9.7	93	5.1	52	25	1	169	104	1406.2
CORAL HARBOUR	-27.5	-2.7	-13.0	-34.1	12.1	112	12.1	112	19	6	179	90	1410.8
EUREKA	-40.9	-3.9	-21.0	-49.8	5.2	216	3.5	159	33	1	121	102	1828.1
FORT RELIANCE	-19.6	1.9	0.7	-34.7	12.6	101	5.8	56	38	2	X		1165.4
FORT SIMPSON	-9.3	5.2	8.6	-32.7	6.0	28	3.2	14	25	2	191	119	845.5
FORT SMITH	-10.0	4.4	8.6	-32.7	14.1	88	12.5	86	40	2	193	109	869.2
FROBISHER BAY	-23.8	-1.1	0.3	-39.0	34.2	138	27.4	118	34	6	162	92	1297.2
HALL BEACH	-31.6	-2.5	-6.8	-47.6	8.8	71	7.1	60	21	3	X		1572.2
HAY RIVER	-11.6	4.3	9.5	-27.6	2.5	13	2.5	13	44	2	X		922.4
INUVIK	-19.6	5.4	-4.7	-34.0	12.6	84	6.0	50	33	3	134	76	1166.9
MOULD BAY	-32.4	0.0	-20.7	-45.0	2.4	60	2.4	100	17	1	135	123	1561.8
NORMAN WELLS	-16.2	3.2	-0.3	-35.8	8.3	61	7.0	54	23	4	173	102	1060.4
POND INLET	-30.4	*	-8.7	-47.1	7.0	*	6.8	*	15	2	144	*	1499.6
RESOLUTE	-32.1	-1.1	-15.1	-44.4	TR	267	TR	233	17	0	182	124	1554.5
SACHS HARBOUR	-26.4	1.6	-16.9	-39.9	0.6	18	0.6	20	10	0	187	112	1377.7
YELLOWKNIFE	-15.9	2.6	-0.5	-32.4	11.2	77	9.8	79	44	2	210	107	1050.9
ALBERTA													
BANFF	-1.8	1.2	12.5	-20.5	11.0	44	8.8	42	TR	MSG	MSG		MSG
BROOKS	-0.7	3.5	15.5	-13.5	12.4	76	11.1	68	0	MSG	182	*	MSG
CALGARY INT'L	-0.6	3.0	16.5	-18.6	4.6	23	2.8	17	0	2	218	134	580.5
COLD LAKE	-2.3	4.9	11.5	-23.0	2.6	12	1.2	5	TR	0	179	104	628.4
CORONATION	-5.1	1.6	7.7	-19.9	7.8	33	6.5	31	14	2	197	107	715.5
EDMONTON INT'L	-2.0	4.3	11.0	-20.5	4.2	22	4.2	26	TR	2	188	109	618.8
EDMONTON MUNI.	-0.7	3.9	13.5	-17.0	4.8	25	4.8	25	TR	1	194	115	577.8
EDMONTON NAMAO	-1.5	3.7	11.6	-18.2	3.0	17	2.9	16	0	1	X		603.7
EDSON	-1.8	4.0	16.0	-15.7	12.0	36	6.3	27	3	2	146	94	613.2
FORT CHIPEWYAN	-8.7	5.0	8.0	-31.0	14.7	89	14.7	95	37	MSG	MSG		MSG

X = Not observed * = normal missing MSG = data missing

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FORT MCMURRAY	-2.7	6.1	13.6	-28.0	12.9	53	8.7	42	TR	3	249	150	640.9
GRANDE PRAIRIE	-0.9	5.9	11.5	-18.7	11.2	48	8.4	40	TR	3	137	*	584.6
HIGH LEVEL	-6.8	4.6	7.5	-31.1	13.6	64	13.0	80	30	2	163	93	768.0
JASPER	-0.8	1.5	13.7	-15.5	2.4	16	1.7	10	TR	0	162	*	581.4
LETHBRIDGE	0.8	2.5	18.6	-18.3	21.4	81	20.2	83	0	5	MSG		535.6
MEDICINE HAT	0.7	3.1	17.6	-15.3	14.4	78	12.8	69	0	2	198	122	538.1
PEACE RIVER	-3.0	5.1	9.0	-22.4	10.2	49	10.2	59	2	5	X		645.7
RED DEER	-3.3	2.5	10.8	-22.5	8.4	41	6.4	32	TR	1	X		665.5
ROCKY MTN HOUSE	-3.4	0.8	11.8	-22.5	5.7	18	2.4	8	TR	0	X		663.4
SLAVE LAKE	-1.3	5.2	15.4	-20.1	7.2	26	5.0	23	TR	1	174	103	598.8
SUFFIELD	-0.9	2.7	15.7	-15.5	20.9	149	19.0	133	0	2	205	114	583.5
WHITECOURT	-0.9	4.6	15.7	-14.0	12.3	48	9.0	37	TR	1	X		572.4
SASKATCHEWAN													
BROADVIEW	-3.3	4.9	9.3	-23.8	3.8	21	3.8	22	TR	1	236	136	660.2
COLLINS BAY	-11.5	3.8	9.0	-26.2	91.9	331	48.5	211	49	11	178	*	910.2
CREE LAKE	-9.0	4.2	11.2	-33.1	23.2	109	17.4	111	34	3	156	87	828.2
ESTEVAN	-0.3	5.2	16.8	-13.9	12.8	73	11.8	61	2	2	239	128	566.3
HUDSON BAY	-4.6	4.7	11.0	-30.1	6.6	19	4.2	14	17	2	218	*	699.6
KINDERSLEY	-3.3	2.9	7.2	-19.7	7.8	53	6.8	46	13	2	X		702.9
LA RONGE	-5.4	4.9	15.1	-30.5	14.1	64	11.8	76	37	3	X		724.2
MEADOW LAKE	-5.1	2.1	8.0	-30.3	9.0	49	8.9	45	14	2	190	*	718.1
MOOSE JAW	1.0	6.2	16.0	-19.3	23.0	124	25.0	142	1	3	210	126	584.1
NIPAWIN	-5.9	*	7.7	-26.4	24.3	*	21.2	*	28	3	224	134	740.4
NORTH BATTLEFORD	-4.4	3.8	6.2	-19.0	21.4	102	20.6	99	17	3	X		694.6
PRINCE ALBERT	-5.0	4.9	7.9	-27.0	26.3	133	27.1	141	25	5	208	126	717.8
REGINA	-2.5	4.9	11.9	-19.3	13.0	71	12.6	70	0	2	198	126	634.6
SASKATOON	-3.9	4.3	6.5	-19.4	9.2	49	9.0	48	TR	3	X		679.3
SWIFT CURRENT	-2.1	3.2	14.0	-17.2	25.9	121	25.9	128	13	4	216	138	637.9
URANIUM CITY	-12.6	2.5	6.2	-36.2	46.0	194	25.5	145	80	6	X		947.7
WYNYARD	-4.2	4.2	6.6	-24.0	18.6	74	18.8	75	9	1	238	128	688.7
YORKTON	-5.4	3.8	5.2	-27.2	16.3	69	16.3	70	7	2	227	137	718.3
MANITOBA													
BISSETT	-3.7	5.1	8.7	-25.2	12.7	56	19.9	78	7	3	218	113	707.1
BRANDON	-3.6	4.7	8.0	-25.9	3.8	19	3.7	18	2	1	X		667.6
CHURCHILL	-19.9	0.1	2.9	-33.2	21.4	115	19.0	104	31	9	197	104	1161.5
DAUPHIN	-3.9	4.8	7.9	-25.6	1.6	6	1.4	5	3	0	211	119	673.9
GILLAM	-13.2	3.6	5.8	-33.1	19.8	63	9.2	31	53	4	X		966.6
GIMLI	-3.9	4.7	9.2	-19.9	10.2	43	9.2	35	TR	3	226	115	677.6
ISLAND LAKE	-8.5	3.8	7.7	-29.8	18.6	33	11.6	24	49	4	X		818.0
LYNN LAKE	-10.7	4.2	11.6	-30.3	25.0	100	21.7	100	36	7	148	79	891.1
NORWAY HOUSE	-8.0	*	7.0	-30.8	21.8	*	19.2	*	2	8	0	*	806.7
PILOT MOUND	-3.1	4.2	8.1	-25.0	9.0	43	16.0	68	2	3	X		658.0

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PORTAGE LA PRAIRIE	-2.0	5.0	10.8	-19.9	6.3	36	5.6	20	0	2	X		619.9
THE PAS	-5.7	5.1	11.7	-26.1	11.9	42	9.5	40	9	3	223	127	733.2
THOMPSON	-10.5	4.0	10.5	-34.8	18.2	62	17.9	61	23	4	153	78	884.4
WINNIPEG INT'L	-2.8	5.0	9.2	-21.4	2.8	13	6.8	29	0	2	207	117	643.9
ONTARIO													
ATIKOKAN	-3.6	3.8	9.8	-26.0	39.4	119	31.9	85	3	8	186	108	667.5
BIG TROUT LAKE	-11.2	2.9	5.7	-33.4	30.8	*	24.8	114	84	8	185	*	905.9
EARLTON	-6.5	0.7	7.1	-27.6	47.6	107	53.0	91	34	10			759.6
GERALDTON	-7.8	2.8	7.5	-33.5	22.0	56	16.3	42	29	5			798.8
GORE BAY	-3.3	0.6	6.6	-24.6	63.2	202	74.5	138	5	11			660.9
HAMILTON RBG	1.8	1.0	20.0	-10.5	32.2	159	113.2	150	0	10	165	*	
HAMILTON	0.8	1.2	18.4	-11.7	28.2	140	112.4	158	0	10			
KAPUSKASING	-8.1	0.9	8.4	-30.8	29.4	61	39.6	71	23	8			809.0
KENORA	-3.2	3.5	9.4	-16.8	7.6	25	7.4	24	3	2			656.4
KINGSTON	-0.7	0.5	11.8	-15.1	34.0	104	79.6	111	0	10	152	106	581.6
LANSDOWNE HOUSE													
LONDON	0.9	1.4	15.5	-12.3	26.6	95	131.7	175	0	10	124	102	532.5
MOOSONEE	-11.5	0.4	7.6	-33.6	8.9	26	16.5	44	63	6	178	120	914.7
MOUNT FOREST	-2.7	0.3	11.1	-17.7	40.9	96	114.8	142	MSG	14	145	107	642.4
MUSKOKA	-3.2	0.2	13.0	-25.4	54.9	148	106.6	160	3	12			
NORTH BAY	-5.5	-0.6	10.3	-21.9	83.4	216	115.7	189	34	12	150	100	727.1
OTTAWA INT'L	-2.0	0.6	15.1	-17.0	44.8	125	92.4	136	MSG	8	185	*	618.3
PETAWAWA	-3.1	1.1	11.0	-20.6	43.2	144	85.2	168	TR	10	X		653.8
PETERBOROUGH	-1.1	1.0	16.6	-16.3	25.4	109	78.6	124	MSG	9	X		
PICKLE LAKE	-7.4	2.9	7.1	-32.9	28.6	74	24.6	58	54	5			776.0
RED LAKE													
ST. CATHARINES	2.3	1.2	21.0	-9.3	20.2	112	117.6	168	MSG	9			
SARNIA	1.6	0.6	17.4	-11.2	19.2	87	87.6	141	0	8	139	108	
SAULT STE. MARIE	-2.9	1.8	8.4	-22.6	34.8	114	79.3	131	14	12			657.4
SIMCOE	1.2	1.1	20.0	-12.3	28.4	114	147.0	180	0	14			521.8
SIOUX LOOKOUT	-4.4	3.5	9.7	-21.7	10.8	33	17.6	50	28	4			700.1
SUDBURY	-5.4	0.2	6.1	-21.7	71.8	205	94.4	171	16	13	170	111	726.5
THUNDER BAY	-2.4	3.5	11.3	-21.7	36.6	107	31.2	69	MSG	6	193	111	631.2
TIMMINS	-7.3	0.7	10.2	-28.9	46.6	86	48.4	82	40	10			769.6
TORONTO	2.1	1.0	17.6	-10.9	33.4	135	107.7	154	0	9			
TORONTO INT'L	0.3	0.9	15.4	-13.9	28.6	128	78.6	128	MSG	8			549.0
TORONTO ISLAND	1.8	1.3	14.5	-10.6	21.1	99	89.3	148	0	9			502.4
TRENTON	-0.3	0.3	14.7	-15.0	27.8	104	90.4	125	0	9			564.9
WATERLOO-WELL	-0.7	0.7	15.0	-14.8	28.8	119	104.2	145	0	9			
WAWA	-6.3	*	8.1	-24.2	54.0	*	52.8	*	34	9		*	753.8
WIARTON	-1.5	0.9	11.6	-18.1	52.0	121	95.7	147	MSG	11	156	112	603.2
WINDSOR	3.4	1.8	17.2	-7.2	8.6	44	125.4	174	0	9			453.6

X = Not observed * = normal missing MSG = data missing

MARCH 1985

STATION	Temperature C: Mean	Temperature C: Difference from Normal	Temperature C: Maximum	Temperature C: Minimum	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
QUEBEC													
BAGOTVILLE	-6.9	-0.8	10.5	-26.9	38.4	80	41.8	81	21	10	X		773.0
BAIE COMEAU	-6.9	-0.9	8.0	-26.1	49.2	81	51.2	75	52	9	176	*	773.0
BLANC SABLON	-8.5	-3.1	3.7	-25.6	70.9	85			71	14	113	*	822.4
CHIBOUGAMAU	-11.1	-0.7	6.0	-37.5	34.2	77	41.3	91	67	10	148	94	902.8
GASPE	-5.3	-0.6	10.3	-21.5	62.2	71	119.7	113	33	7	179	*	721.7
INUKJUAK	-20.8	-0.6	-3.6	-37.5	21.4	237	20.0	222	66	6	181	112	1202.8
KUUJJUAQ	-19.5	-2.2	3.5	-38.5	32.5	121	32.5	124	121	7	168	102	1161.6
KUUJJUARAPIK	-17.7	-1.0	2.0	-36.0	38.1	186	38.1	181	32	11	130	77	1105.9
LA GRANDE RIVIERE	-15.7	*	1.4	-36.0	42.2	*	34.4	*	40	11	166	*	1045.3
MANIWAKI	-4.7	0.0	10.4	-23.3	56.0	165	81.8	159	26	9	165	113	703.6
MATAGAMI	-11.4	-0.2	6.7	-36.6	32.9	61	34.2	79	46	12	151	98	920.7
MONT JOLI	-5.2	-0.6	7.1	-22.0	43.4	68	46.4	64	2	8	153	117	719.0
MONTREAL INT'L	-2.1	0.0	13.4	-18.9	51.7	144	111.5	151	TR	11	171	110	621.1
MONTREAL M INT'L	-3.4	*	9.8	-19.9	50.4	*	94.0	*	5	12	209	*	663.5
NATASHQUAN	-7.3	-1.5	5.4	-27.0	32.6	56	35.4	43	11	8	160	112	784.9
NITCHEQUON	-16.0	-1.8	2.1	-38.0	49.4	144	45.6	128	94	9	156	103	1054.1
QUEBEC	-5.1	-1.0	7.4	-25.1	48.8	90	80.0	97	45	11	173	123	705.1
ROBERVAL	-6.9	-0.4	7.5	-27.2	32.3	54	45.8	75	28	9	152	*	773.1
SCHEFFERVILLE	-16.0	-1.3	1.3	-37.0	30.9	73	27.4	65	45	12	139	*	1055.0
SEPT-ILES	-7.8	-1.6	7.6	-27.2	62.9	89	78.4	94	27	10	169	110	797.6
SHERBROOKE	-4.4	-0.5	11.0	-23.0	81.7	153	94.6	129	1	11	165	*	691.6
STE AGATHE DES MONTS	-5.5	-0.2	8.4	-22.5	74.2	113	98.4	103	55	14	164	107	728.1
ST-HUBERT	-2.2	-0.2	12.8	-19.7	52.7	138	110.1	138	0	11	0	*	631.0
VAL D'OR	-8.6	-0.7	6.8	-31.3	59.0	123	74.2	125	54	13	171	109	825.5
NEW BRUNSWICK													
CHARLO	-6.0	-1.2	12.5	-22.7	53.7	70	62.2	67	16	8	175	118	743.1
CHATHAM	-3.4	-0.5	10.9	-21.0	21.0	31	39.8	40	TR	6	186	127	662.3
FREDERICTON	-2.8	-0.8	14.5	-23.7	33.6	68	56.9	67	0	9	200	*	642.9
MONCTON	-3.4	-0.9	8.7	-20.4	44.1	65	95.4	85	1	11	156	113	663.6
SAINT JOHN	-2.6	-0.5	13.4	-19.4	40.0	80	110.2	96	0	11	189	131	639.6

STATION	Temperature C: Mean	Temperature C: Difference from Normal	Temperature C: Maximum	Temperature C: Minimum	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
NOVA SCOTIA													
EDDY POINT													
GREENWOOD	-0.8	-0.5	12.9	-8.4	29.6	61	81.0	96	TR	10	X		610.3
HALIFAX INT'L	-2.4	-1.2	12.5	-17.2	34.8	76	122.4	95	TR	8	0	*	633.6
SABLE ISLAND	-0.6	-1.7	7.1	-10.8	23.8	83	125.8	108	0	10	129	110	575.5
SHEARWATER	-1.7	-1.3	12.4	-17.9	29.6	76	103.9	88	0	7	168	114	609.4
SYDNEY	-4.4	-2.3	7.2	-21.5	56.9	89	117.9	89	1	11	133	105	697.5
TRURO	-3.6	-1.7	10.8	-27.9	31.2	65	81.4	88	4	7	134	106	667.4
YARMOUTH	0.5	-0.2	14.4	-11.9	16.6	50	107.6	109	0	11	187	137	545.0
PRINCE EDWARD ISLAND													
CHARLOTTETOWN	-4.7	-2.0	5.1	-19.5	40.0	64	62.8	65	6	8	X		702.1
SUMMERSIDE	-3.8	-1.4	7.1	-19.1	27.7	50	51.3	60	5	8	149	105	672.1
NEWFOUNDLAND													
ARGENTIA	-3.7	-3.6	7.2	-16.0	48.2	155	79.4	112	8	13	X		672.7
BATTLE HARBOUR	-8.4	-2.8	4.0	-27.7	59.7	*	87.7	130	141	13	X		819.8
BONAVISTA	-4.6	-2.3	4.8	-15.9	32.2	82	46.8	53	24	11	X		700.9
BURGEO	-4.8	-3.1	6.9	-18.7	48.2	100	90.6	72	19	14	120	98	708.8
CARTWRIGHT	-8.9	-1.2	4.2	-26.4	86.7	101	87.5	93	134	16	107	85	835.7
CHURCHILL FALLS	-13.6	-1.4	3.3	-34.7	57.0	88	48.2	73	95	14	119	86	980.2
COMFORT COVE	-5.9	-2.7	5.4	-20.0	47.8	69	56.0	54	33	13	X		740.6
DANIEL'S HARBOUR	-6.5	-2.4	5.8	-24.9	48.4	78	52.8	69	63	12	96	83	760.9
DEER LAKE	-6.7	-2.3	6.6	-24.6	55.6	102	43.5	63	27	12	X		766.4
GANDER INT'L	-5.8	-2.7	5.2	-19.4	41.4	57	51.0	46	21	13	130	124	738.5
GOOSE	-9.3	-1.1	5.1	-30.7	109.4	146	56.5	78	102	11	104	80	
PORT-AUX-BASQUES	-5.1	-2.8	4.8	-17.8	81.3	158	124.7	119	20	16	98	*	715.0
ST ANTHONY	-8.3	-2.8	2.2	-25.8	80.4	90	86.0	115	90	14			813.3
ST JOHN'S	-5.1	-3.2	5.6	-22.5	51.1	78	102.3	77	16	13	137	144	717.2
ST LAWRENCE	-4.6	-3.4	5.6	-20.1	76.6	172	113.1	88	24	13			
STEPHENVILLE	-5.8	-3.4	6.2	-23.5	101.0	172	131.3	161	40	15	93	88	739.3
WABUSH LAKE	-13.6	-0.2	2.4	-35.5	62.4	104	50.5	88	54	12	147	99	980.9

X = Not observed * = normal missing MSG = data missing

AGROCLIMATOLOGICAL STATIONS — MARCH 1985

STATION	Temperature C Mean	Difference from Normal	Maximum	Minimum	Snowfall (cm)	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)	Degree days above 5 C This month	Since jan. 1st
BRITISH COLUMBIA												
AGASSIZ	5.6	-0.5	19.0	-3.5	1.0	106.1	72	0	12	165	28.3	40.1
KAMLOOPS												
SIDNEY												
SUMMERLAND	3.6	-0.1	15.5	-5.0	2.0	9.5	64	0	5	191	13.3	13.3
ALBERTA												
BEAVERLODGE	1.0	7.1	13.0	-19.0	8.0	8.0	33	0	5	133	2.0	2.0
ELLERSLIE	-3.1	4.0	9.0	-22.0	3.5	5.1	30	2	1	193	0.0	0.0
FORT VERMILLION												
LACOMBE	-3.1	2.9	12.0	-23.0	3.5	3.5	18	0	1	185	0.0	0.0
LETHBRIDGE	1.0	3.2	18.5	-17.0	27.7	23.2	97	0	4	182	25.0	30.3
VAUXHALL	-0.1	2.9	17.0	-15.5	18.4	19.8	115	0	3	185	8.4	8.4
VEGREVILLE	-3.3	4.8	11.0	-20.0	3.2	3.2	26	0	1		0.0	0.0
SASKATCHEWAN												
INDIAN HEAD	-2.8	5.1	9.0	-24.0	21.6	21.6	99	T	4		0.0	0.0
MELFORT	-6.3	3.9	4.5	-25.0	21.3	21.3	120	30	2	217	0.0	0.0
REGINA	-3.2	5.0	12.5	-23.5	2.4	11.0	68	0	2		0.0	0.0
SASKATOON	-4.3	4.2	6.0	-20.0	11.1	11.1	50	13	2	206	0.0	0.0
SCOTT	-6.8	2.1	6.0	-21.0	22.2	21.5	113	19	4	189	0.0	0.0
SWIFT CURRENT SOUTH	-2.0	2.7	14.5	-15.5	29.2	28.8	187	13	3	195	5.5	5.5
MANITOBA												
BRANDON	-3.4	5.0	8.0	-27.5	3.2	3.2	14	0	1	188	0.0	0.0
GLENLEA	-3.5	5.5	8.0	-23.0	3.4	9.4	39	0	5	193	0.0	0.0
MORDEN	-1.4	5.3	11.5	-21.0	10.4	13.4	47	0	6	166	1.5	1.5
ONTARIO												
DELHI	0.5	0.8	18.0	-13.7	53.2	161.8	192	0	13	144	4.7	7.5
ELORA	-1.7	1.0	13.5	-14.6		87.9	119	0			4.6	4.6
GUELPH	-0.9	1.0	15.6	-17.3	66.4	111.6	179	0	11	153	7.6	7.6
HARROW	3.3	2.1	15.0	-7.5	0.0	90.5	121	0	9	133	23.4	26.2
KAPUSKASING												
MERIVALE												
OTTAWA	-2.0	0.9	14.2	-17.8	30.0	86.9	146	T	9	177	2.9	2.9
SMITHFIELD	0.9	2.3	13.5	-14.0	16.0	101.0	119	0	8		4.0	4.0
VINELAND STATION	2.1	1.4	20.7	-8.7	26.4	118.4	168	0	10	158	18.1	23.9
WOODSLEE												
QUEBEC												
LA POCATIERE	-4.3	0.1	7.0	-20.0	45.4	54.2	80	14	7	181	0.0	0.0
L'ASSUMPTION	-3.4	0.3	10.0	-24.0	54.0	96.6	139	T	10	156	0.0	0.0
LENNOXVILLE												
NORMANDIN	-8.9	-0.2	7.0	-33.0	31.1	49.8	84	28	8	149	0.0	0.0
ST. AUGUSTIN												
STE CLOTHILDE												
NEW BRUNSWICK												
FREDERICTON												
NOVA SCOTIA												
KENTVILLE												
NAPPAN	-2.6	-0.3	10.0	-29.5	41.5	59.6	66	0	9	160	0.5	0.5
PRINCE EDWARD ISLAND												
CHARLOTTETOWN												
NEWFOUNDLAND												
ST. JOHN'S WEST	-4.4	-2.4	6.0	-21.0	44.4	108.3	72	20	13	110	0.0	0.0

CORRECTED HEATING DEGREE-DAY DATA FOR FEBRUARY 1985

SEASONAL TOTAL OF HEATING ENERGY REQUIREMENT

DEGREE-DAYS TO END OF FEBRUARY

	1985	1984	NORMAL
YUKON TERRITORY			
Whitehorse	4983	5056	4992
NORTHWEST TERRITORIES			
Frobisher Bay	6440	7259	6676
Inuvik	7158	7081	7067
Yellowknife	6421	5722	6049
BRITISH COLUMBIA			
Kamloops	3108	2828	2871
Penticton	2924	2592	2601
Prince George	4129	3722	3933
Vancouver	2294	2080	2103
Victoria	2341	2097	2128
ALBERTA			
Calgary	3998	3608	3821
Edmonton Mun.	4293	3718	4104
Grande Prairie	4864	4136	4482
SASKATCHEWAN			
Estevan	4273	3831	4067
Regina	4653	4059	4294
Saskatoon	4776	4148	4480
MANITOBA			
Brandon	4744	4111	4427
Churchill	6200	5841	5191
The Pas	5158	4479	4922
Winnipeg	4495	4167	4318
ONTARIO			
Kapuskasing	4561	4498	4570
London	2850	2955	2918
Ottawa	3310	3327	3429
Sudbury	3799	3852	3891
Thunder Bay	4084	3974	4099
Toronto	2856	3008	2872
Windsor	2583	2702	2595
QUEBEC			
Baie Comeau	4178	4130	4156
Montréal	3274	3253	3293
Quebec	3604	3564	3650
Sept-Iles	4286	4351	4276
Sherbrooke	3653	3546	3766
Val-d'Or	4381	4304	4393
NEW BRUNSWICK			
Charlo	3719	3733	3631
Fredericton	3332	3207	3335
Moncton	3261	3139	3266
NOVA SCOTIA			
Halifax	2814	2595	2746
Sydney	3033	2824	2871
Yarmouth	2635	2540	2672
PRINCE EDWARD ISLAND			
Charlottetown	3205	2951	3076
NEWFOUNDLAND			
Gander	3502	3380	3332
St. John's	3119	3034	3082