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Canada

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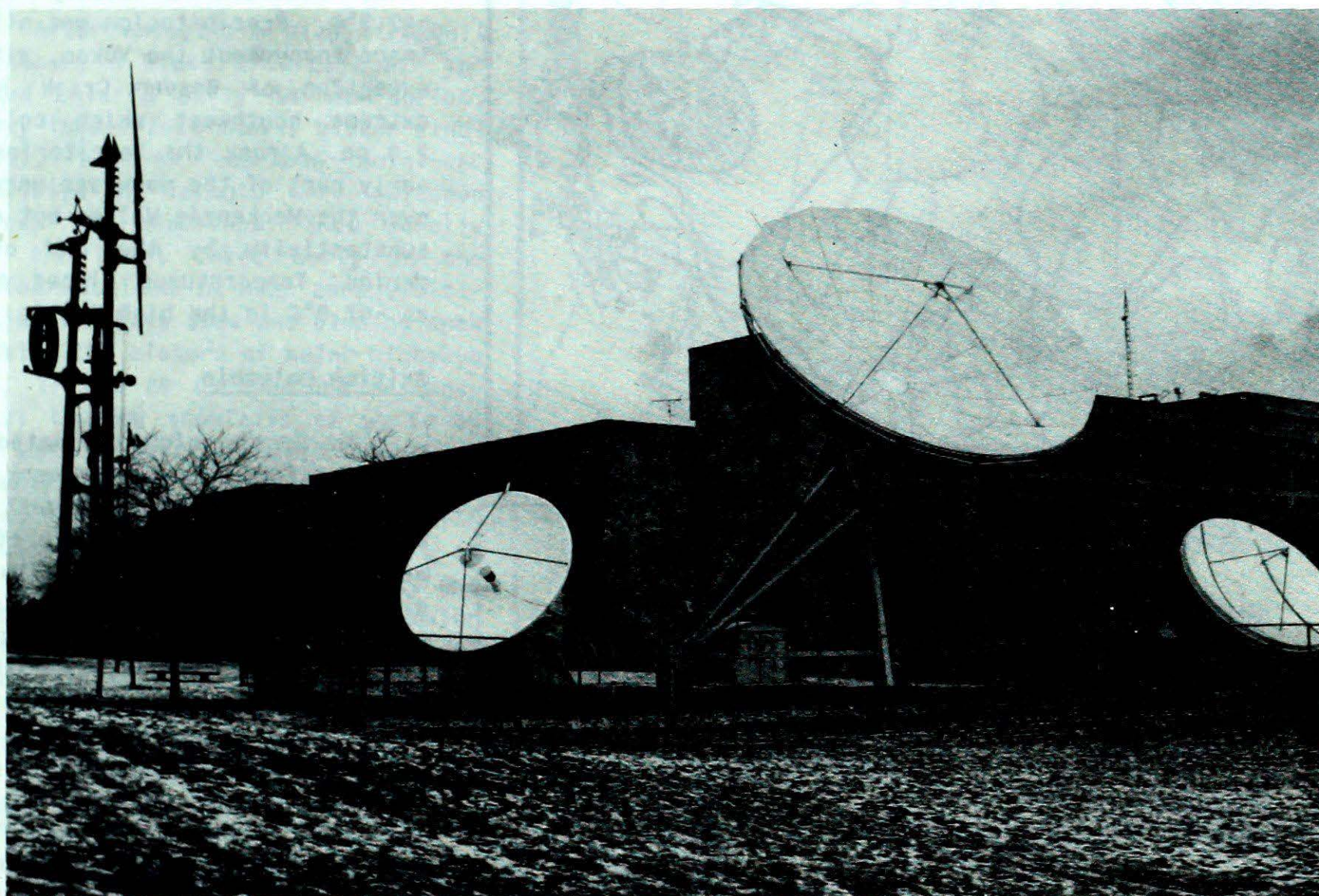
Climatic Perspectives



A weekly review of Canadian climate

January 5 to 11, 1988

Vol.10 No.2



The dearth of snow in the Toronto area is shown by this photograph of the AES Downsvie Headquarters facility on January 11, 1988. Up to this date only 20.0 cm of snow had been reported so far this 1987/88 winter season which is less than half the normal amount of 53.2 cm. Elsewhere in southern Ontario amounts have been near normal except in the snowbelt areas where some heavy snowfalls this past week pushed seasonal amounts above normal. Below-normal amounts have also been reported in northwestern Ontario while less than half the seasonal normal snowfalls have been reported across most of the western provinces and the north coast region of Quebec. Atlantic Canada on the other hand has received copious quantities of snow. (photo by P. Scholefield).

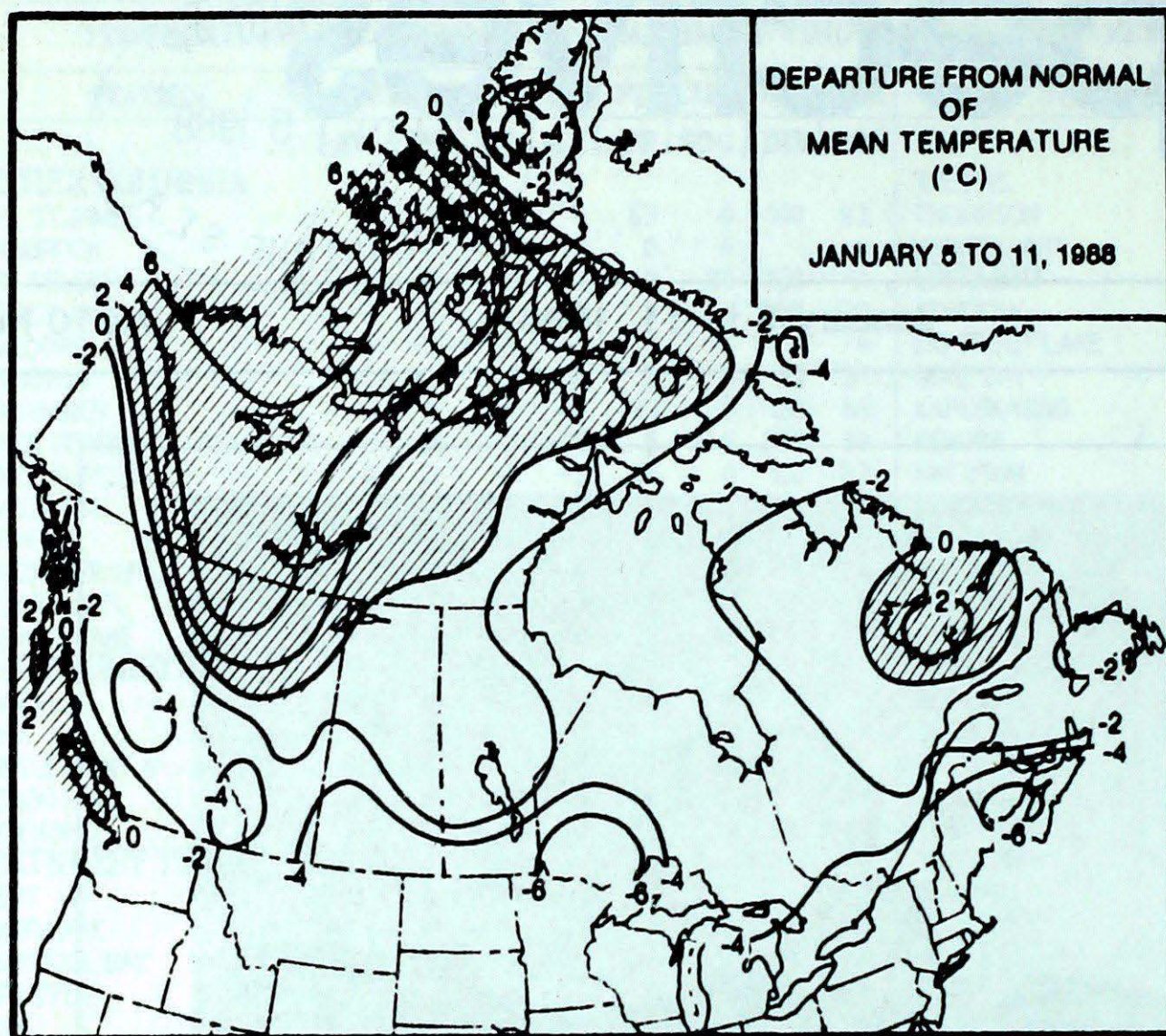
- **Cold and dry in the West**

- **Arctic blast, winds and snow squalls**

in the East

Canada

TEMPERATURE



WEEKLY TEMPERATURE EXTREME (C)

	MAXIMUM	MINIMUM
BRITISH COLUMBIA	ESTEVAN POINT 9 VICTORIA INT'L	PUNTZI MOUNTAIN -35
YUKON TERRITORY	EAGLE PLAINS -5	DAWSON CITY -42
NORTHWEST TERRITORIES	CLINTON POINT -5	EUREKA -47
ALBERTA	LETHBRIDGE 3	FORT CHIPEWYAN -39
SASKATCHEWAN	EASTEND CYPRESS -5	CRLE LAKE -44
MANITOBA	DAUPHIN -10	LYNN LAKE -39
ONTARIO	POINT PETRI 1	RED LAKE -39
QUEBEC	BLANC SABLON -1	SCHEFFERVILLE -37
NEW BRUNSWICK	SAINT JOHN -1	SAINT JOHN -29
NOVA SCOTIA	SABLE ISLAND 6	GREENWOOD -26
PRINCE EDWARD ISLAND	EAST POINT 1	SUMMERSIDE -20
NEWFOUNDLAND	ST LAWRENCE 3	CHURCHILL FALLS -33

ACROSS THE NATION

WARMEST MEAN TEMPERATURE	6	CAPE ST. JAMES	BC
COOLEST MEAN TEMPERATURE	-42	EUREKA	NWT

ACROSS THE COUNTRY

Yukon and Northwest Territories

A ridge of high pressure established over the Yukon produced a cold, dry week. In the north though, Pacific air infiltrated, causing well above-normal temperatures. Meanwhile, stations located in the interior valleys remained cold. Dawson City, on the morning of the 11th, recorded a weekly low of -42.2°C . Precipitation was nil to a trace throughout the Yukon, with the exception of Beaver Creek in the extreme southwest which collected 2.0 cm. Across the Territories, the early part of the week was very mild over the Mackenzie Valley but cooled substantially by the end of the period. Temperatures dipped as low as -47.0°C in the high Arctic.

British Columbia

An Arctic high dominated B.C. allowing for a cool, dry week. With the exception of the southwest coast and extreme northeast, all of B.C. was colder than normal. The high also acted as a block to Pacific storms, therefore the week was dry everywhere. In the interior though, low clouds prevented much sunshine. Below normal temperatures and minimal snow was welcomed by logging interests which are now in full operation. Skiing is essentially good everywhere although resorts in the Castlegar area still lack a substantial base. By the end of the period, a westerly zonal flow was moving northward permitting a return to typical wet coastal B.C. weather.

Prairie Provinces

Cold, dry weather continued across Alberta with only a few short modifications in central and southern areas. Very little precipitation occurred until January 11th in southern areas where 7 cm fell in Lethbridge, with lesser amounts elsewhere. The cold air has given the Olympic ski areas a golden opportunity to make plenty of artificial snow for the ski runs.

In Saskatchewan and Manitoba, the week began cold but temperatures moderated somewhat through the period. Record low minimums were

PRECIPITATION

established on January 5th at Island Lake and Meadow Lake with -32.5°C and -41.9°C respectively. The outstanding feature though was a continuation of the lack of snow in the agricultural areas. The area bounded by Morden, Portage La Prairie, Dauphin, Broadview and Estevan had 2 cm of snow or less. Due to the dominance of an arctic high, the week though was generally sunny.

Ontario

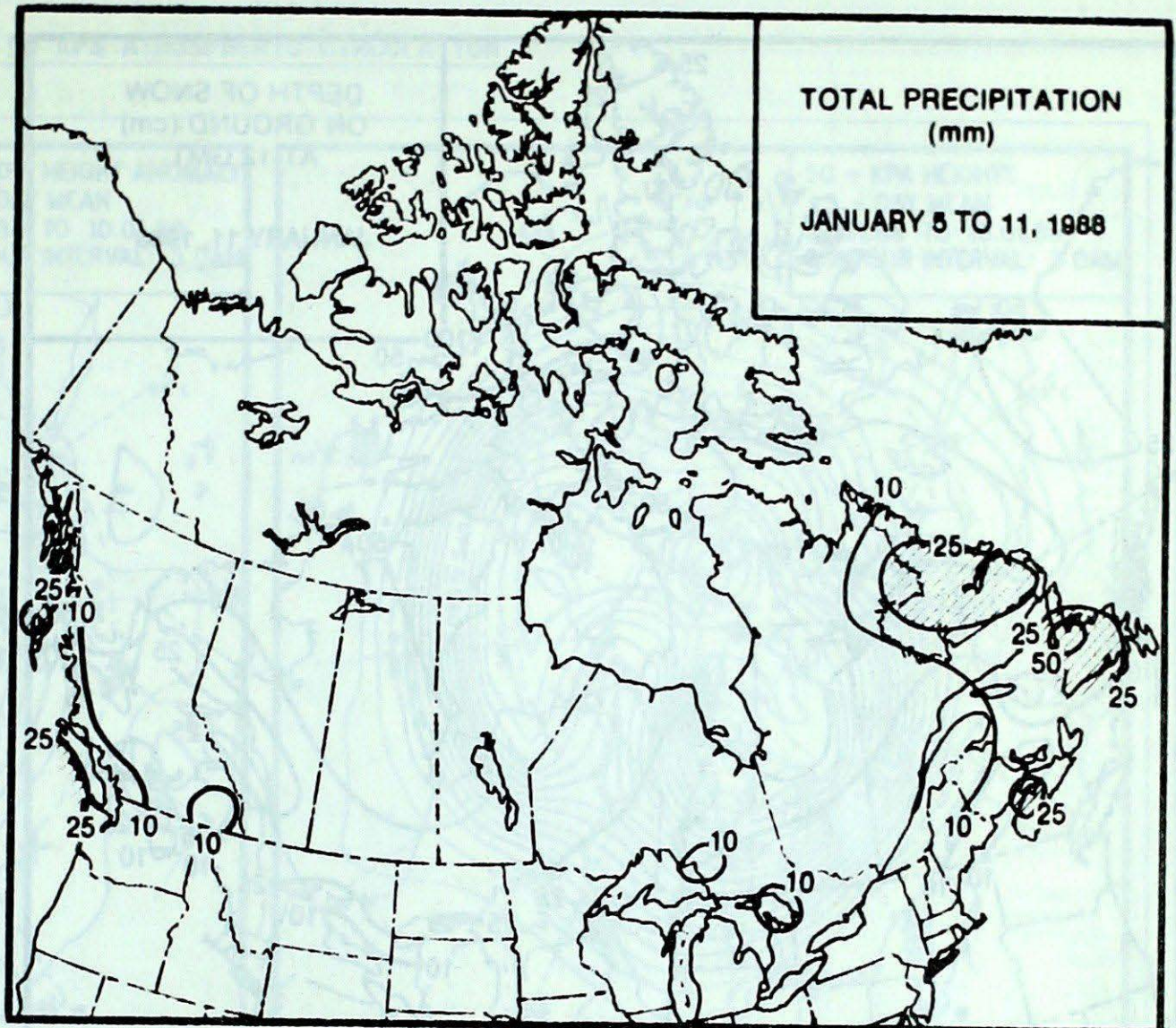
After enjoying a mild, tranquil December, a blast of Arctic air invaded Ontario early in the period. Heavy lake-effect snows, bitter wind-chill, and an enormous multi-car collision in Toronto were splashed across the headlines. Snow squalls off the Great Lakes early in the period resulted in near zero visibilities in heavy snow and blowing snow causing the closure of major highways #11, 17 and 69 for various periods. Total two-day snowfalls of up to 60 cm were reported with heaviest amounts in the Coldwater area. East winds off Lake Ontario on January 7th resulted in a localized snowfall in parts of Toronto. Poor visibility and slippery roads created two major pile-ups on Hwy 401 that involved about 130 cars. Along with numerous injuries was the death of an Olympic athlete.

Quebec

Another Arctic outbreak swept across southern Quebec between the 6th and 8th of January dropping minimum temperatures below -20°C which broke daily records at no less than 5 locations. Strong winds produced blizzard conditions in the Matapedia Valley during this period following a 10-20 cm snowfall on the 4th and 5th. Near zero visibilities in blowing snow caused the closure of schools and roads. At Cap-Chat, on the 6th, winds gusting from 95 to 115 km/h were reported along with temperatures between -15 and -17°C .

Maritimes

It was another week of cold and wind for the Maritimes. As a low tracked across Labrador early in the period, the Maritimes endured three three days of very cold temperatures and high wind. Moncton reported winds over 80 km/h on both Tuesday and



HEAVIEST WEEKLY PRECIPITATION (mm)

BRITISH COLUMBIA	ESTEVAN POINT	39
YUKON TERRITORY	BEAVER CREEK	2
NORTHWEST TERRITORIES	COPPERMINE	4
ALBERTA	LEBRIDGE	7
SASKATCHEWAN	CREE LAKE	4
MANITOBA	GIMLI	4
ONTARIO	WIARTON	23
QUEBEC	BLANC SABLON	39
NEW BRUNSWICK	MONCTON	18
NOVA SCOTIA	SYDNEY	30
PRINCE EDWARD ISLAND	CHARLOTTE TOWN	16
NEWFOUNDLAND	DANIEL'S HARBOUR	55

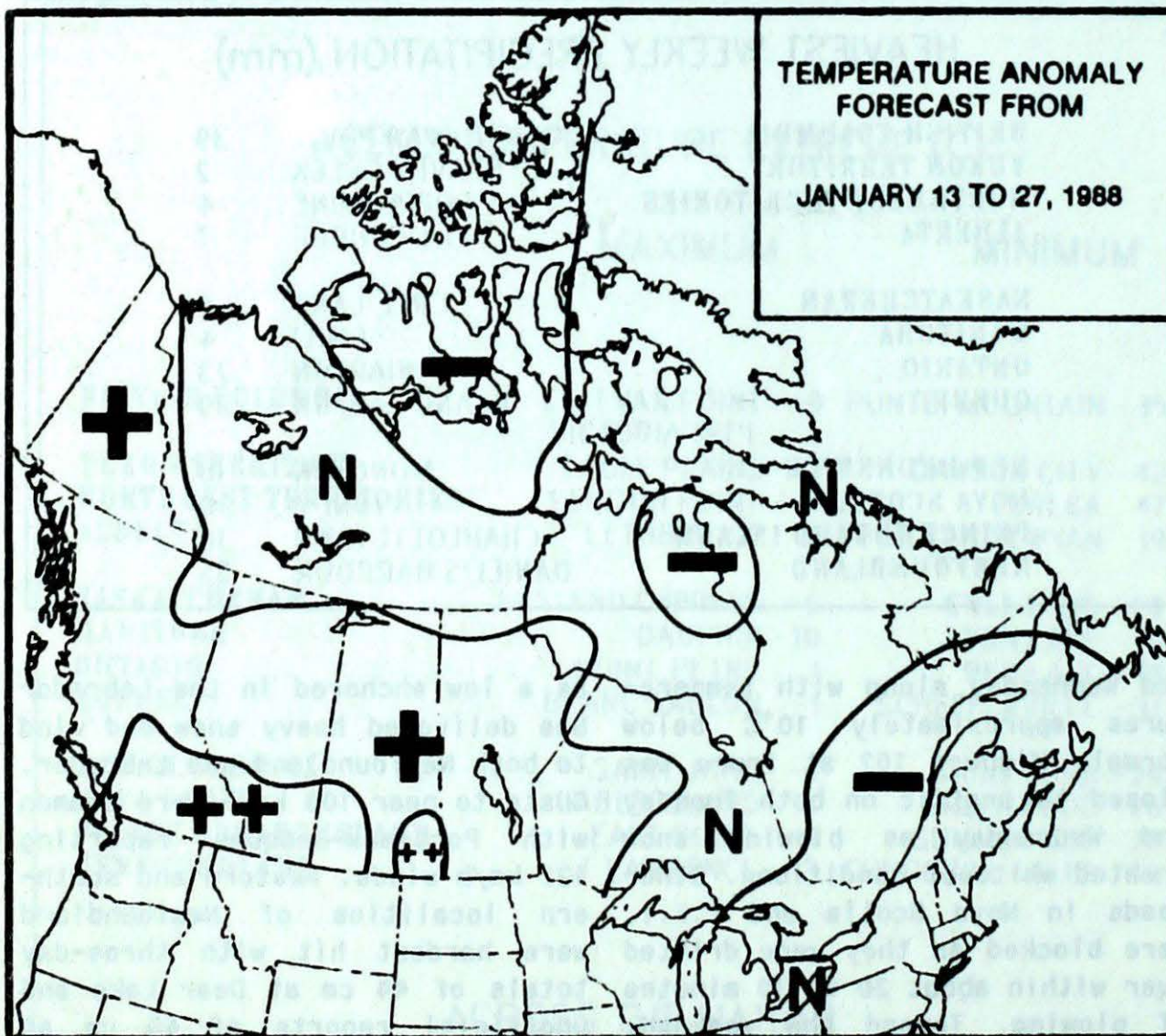
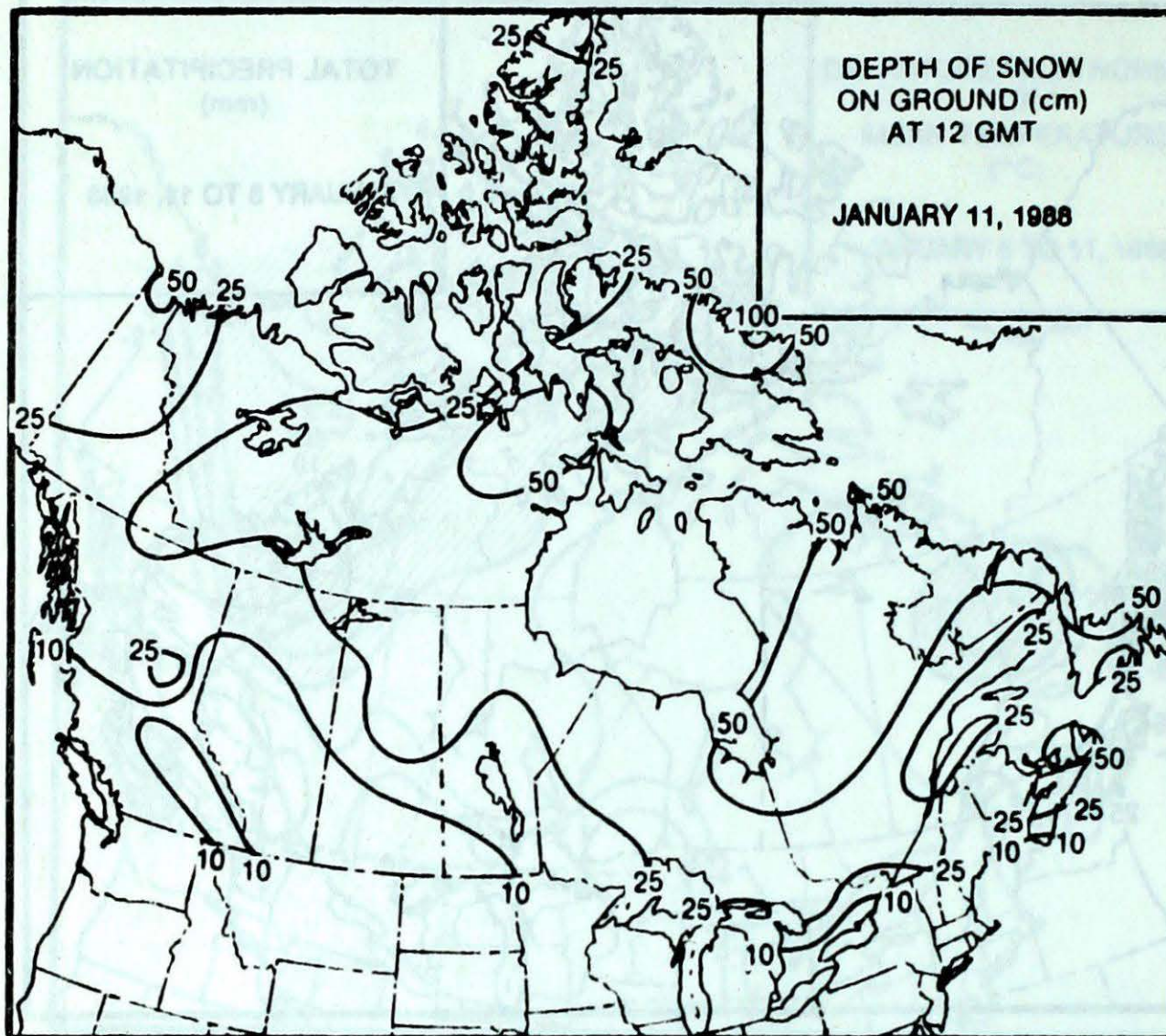
and Wednesday along with temperatures approximately 10°C below normal. Highway 102 at Truro was closed to traffic on both Tuesday and Wednesday as blowing snow created whiteout conditions. Other roads in Nova Scotia and P.E.I. were blocked as they were drifted over within about 20 to 30 minutes of plowing. Toward the weekend, the weather had settled but another system moved through on Saturday dumping another 10 to 20 cm of snow on southern New Brunswick, P.E.I. and Nova Scotia.

Newfoundland

as a low anchored in the Labrador Sea delivered heavy snow and wind to both Newfoundland and Labrador. Gusts to near 100 km/h were common with Port-aux-Basques reporting 122 km/h winds. Western and southern localities of Newfoundland were hardest hit with three-day totals of 44 cm at Dear Lake and unofficial reports of 60 cm at Corner Brook. Schools and some businesses were forced to close as vehicular traffic became hazardous in snow and blowing snow. No records were broken except in Goose Bay where 27 cm of snow on January 5th set a new daily record.

Cold, stormy weather continued

FORECAST



Temperature Anomaly Forecast

- ++ much above normal
- + above normal
- N normal
- below normal
- much below normal

This forecast is prepared by searching historical weather maps to find cases similar to the present. The historical outcome during the 15 days subsequent to the chosen analogues is assumed to be a forecast for the next 15 days from now.

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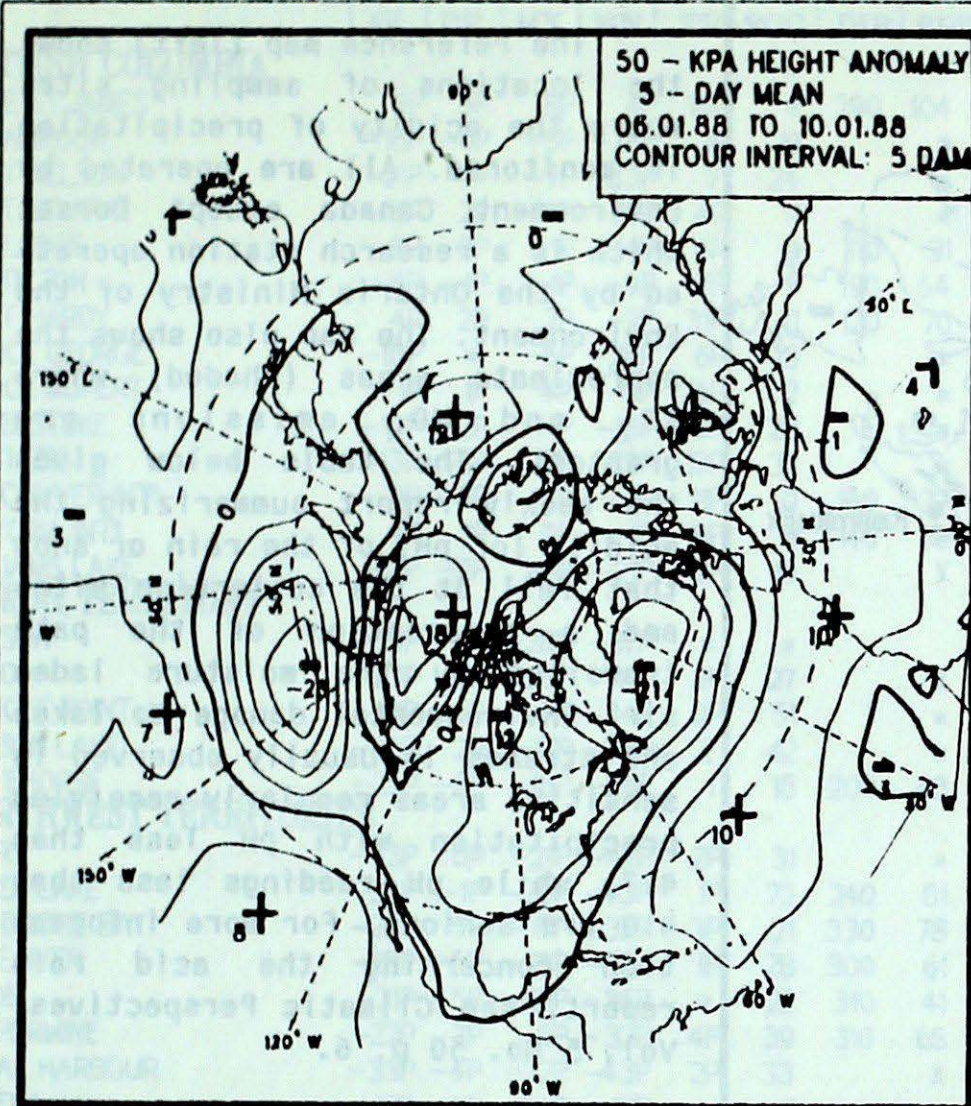
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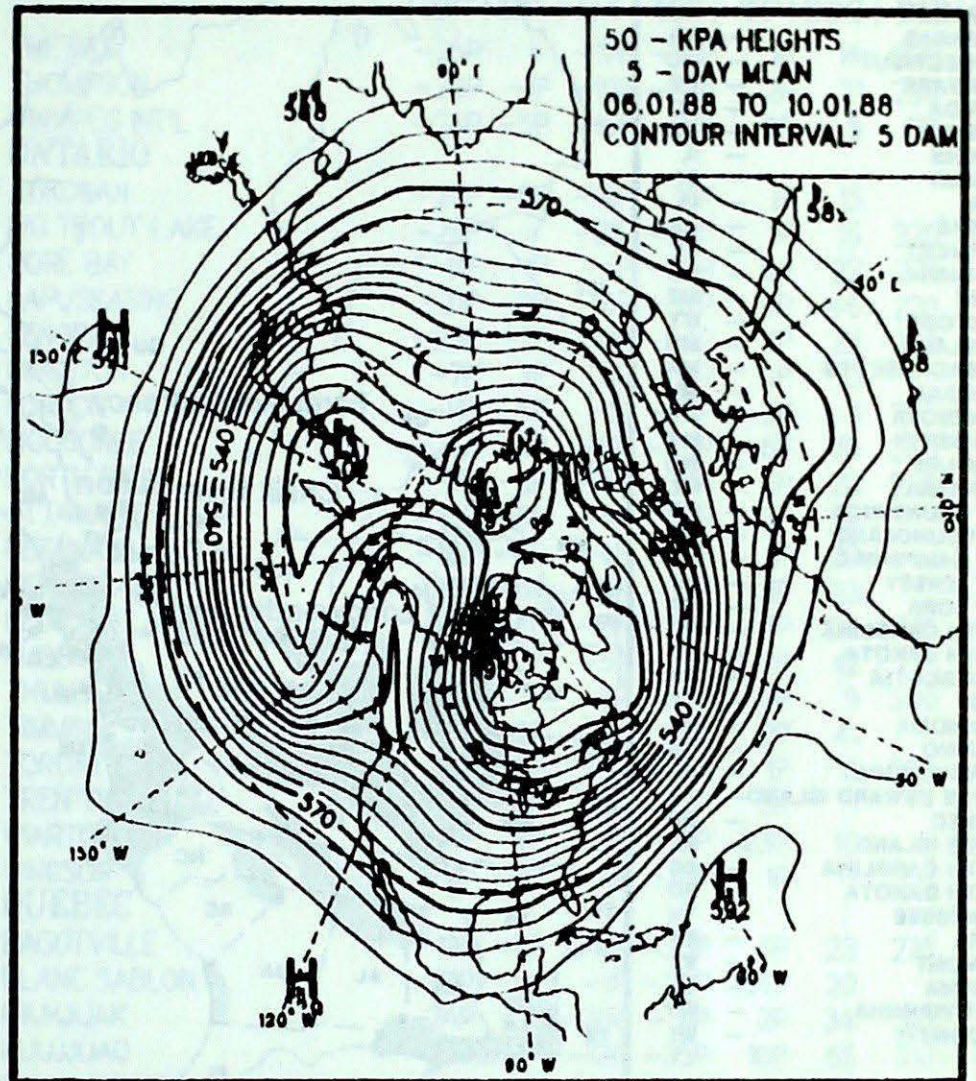
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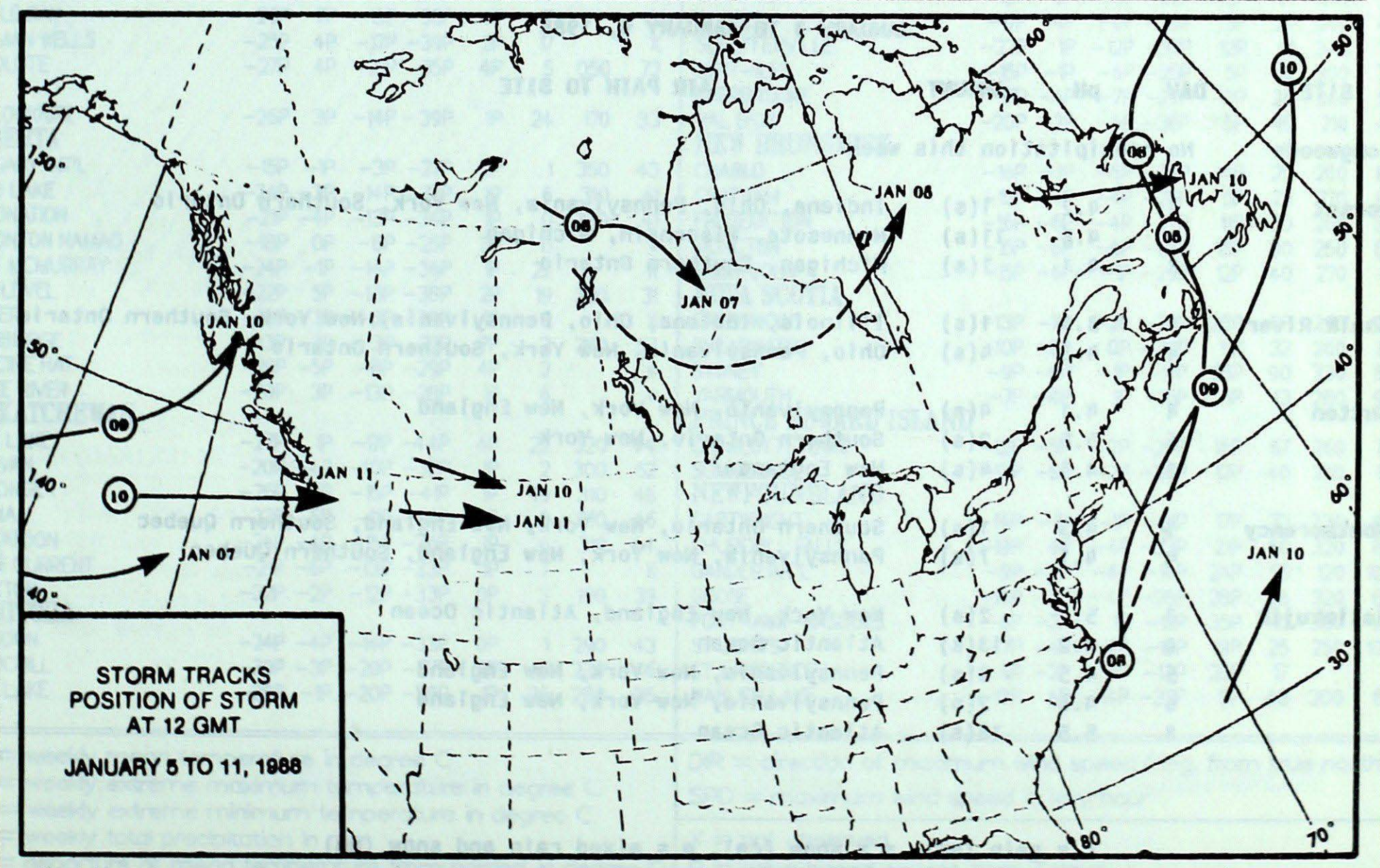
50 KPa ATMOSPHERIC CIRCULATION



MEAN 50 KPa HEIGHT ANOMALY (dam)



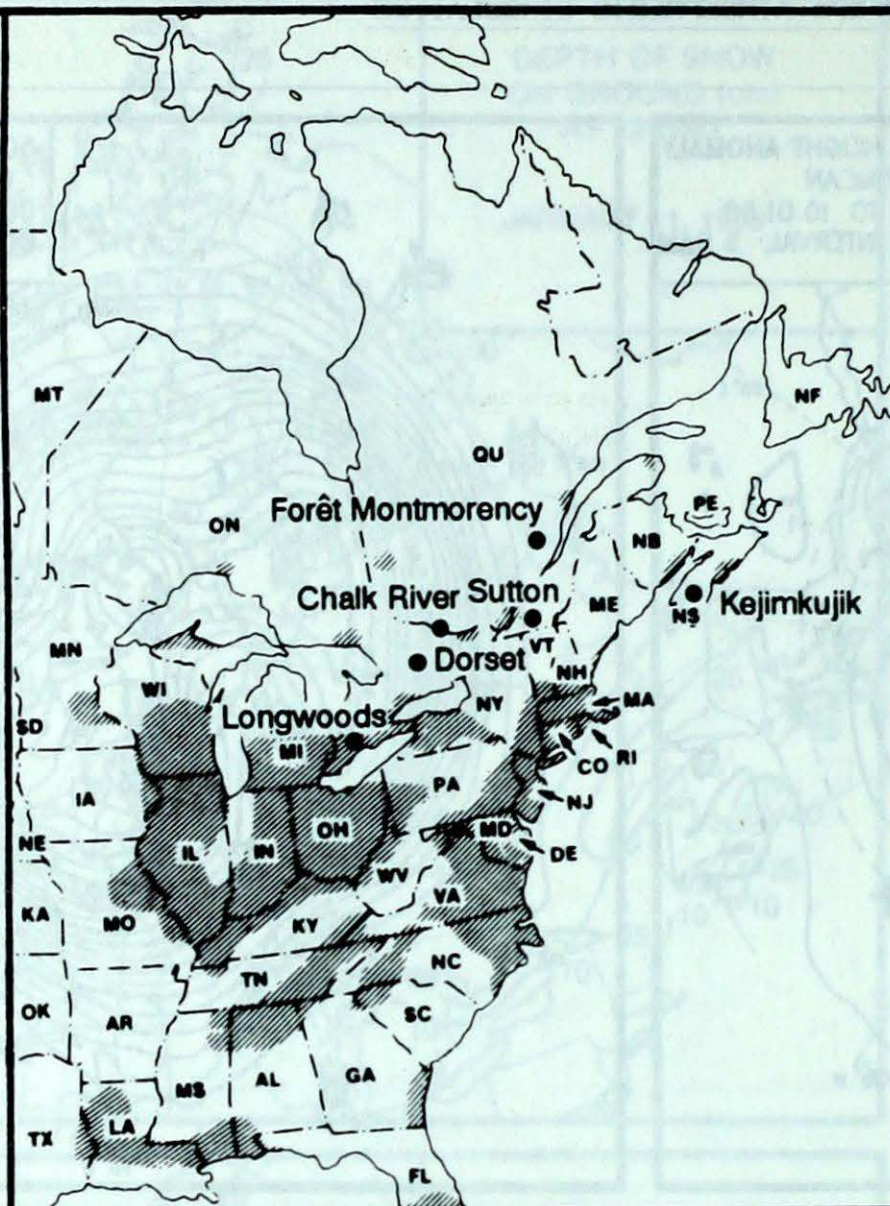
MEAN 50 KPa HEIGHTS (dam)



ACID RAIN

ACID RAIN REPORT

ALABAMA	--	AL
ARKANSAS	--	AR
CONNECTICUT	--	CO
DELAWARE	--	DE
FLORIDA	--	FL
GEORGIA	--	GA
ILLINOIS	--	IL
INDIANA	--	IN
IOWA	--	IA
KANSAS	--	KA
KENTUCKY	--	KY
LOUISIANA	--	LA
MAINE	--	ME
MANITOBA	--	MT
MARYLAND	--	MD
MASSACHUSETTS	--	MA
MICHIGAN	--	MI
MINNESOTA	--	MN
MISSISSIPPI	--	MS
MISSOURI	--	MO
NEBRASKA	--	NE
NEW BRUNSWICK	--	NB
NEWFOUNDLAND	--	NF
NEW HAMPSHIRE	--	NH
NEW JERSEY	--	NJ
NEW YORK	--	NY
NORTH CAROLINA	--	NC
NORTH DAKOTA	--	ND
NOVA SCOTIA	--	NS
OHIO	--	OH
OKLAHOMA	--	OK
ONTARIO	--	ON
PENNSYLVANIA	--	PA
PRINCE EDWARD ISLAND	--	PE
QUÉBEC	--	QU
RHODE ISLAND	--	RI
SOUTH CAROLINA	--	SC
SOUTH DAKOTA	--	SD
TENNESSEE	--	TN
TEXAS	--	TX
VERMONT	--	VT
VIRGINIA	--	VA
WEST VIRGINIA	--	WV
WISCONSIN	--	WI



The reference map (left) shows the locations of sampling sites where the acidity of precipitation is monitored. All are operated by Environment Canada except Dorset which is a research station operated by the Ontario Ministry of the Environment. The map also shows the approximate areas (shaded) where SO_2 and NO_x emissions are greatest. The table below gives the weekly report summarizing the acidity (or pH) of the rain or snow that fell at the collection sites and a description of the path travelled by the moisture laden air. Environmental damage to lakes and streams is usually observed in sensitive areas regularly receiving precipitation with pH less than 4.7, while pH readings less than 4.0 are serious. For more information concerning the acid rain report, see Climatic Perspectives, Vol. 5 No. 50 p. 6.

JANUARY 3 TO JANUARY 9, 1988

SITE	DAY	pH	AMOUNT	AIR PATH TO SITE
Longwoods	No precipitation this week			
Dorset	3	4.2	1(s)	Indiana, Ohio, Pennsylvania, New York, Southern Ontario
	4	4.8	11(s)	Minnesota, Wisconsin, Michigan
	8	4.1	1(s)	Michigan, Southern Ontario
Chalk River	3	3.9	1(s)	Illinois, Indiana, Ohio, Pennsylvania, New York, Southern Ontario
	4	4.3	4(s)	Ohio, Pennsylvania, New York, Southern Ontario
Sutton	4	4.1	4(s)	Pennsylvania, New York, New England
	6	5.5	2(s)	Southern Ontario, New York
	8	4.5	4(s)	New England
Montmorency	3	4.3	1(s)	Southern Ontario, New York, New England, Southern Quebec
	4	4.1	7(s)	Pennsylvania, New York, New England, Southern Quebec
Kejimikujik	3	5.7	2(s)	New York, New England, Atlantic Ocean
	4	4.2	13(s)	Atlantic Ocean
	5	4.5	3(s)	Pennsylvania, New York, New England
	6	4.6	2(s)	Pennsylvania, New York, New England
	8	5.5	18(s)	Atlantic Ocean

r = rain (mm), s = snow (cm), m = mixed rain and snow (mm)

TEMPERATURE, PRECIPITATION AND MAXIMUM WIND DATA FOR THE WEEK ENDING 0600 GMT JANUARY 12, 1988

STATION	TEMPERATURE				PRECIP.		WIND MX		STATION	TEMPERATURE				PRECIP.		WIND MX	
	AV	DP	MX	MN	TP	SOG	DIR	SPD		AV	DP	MX	MN	TP	SOG	DIR	SPD
BRITISH COLUMBIA									THE PAS	-25P	*	-17P	-35P	1P	14	320	52
CAPE ST. JAMES	6P	3P	8P	4P	14P	*	290	104	THOMPSON	-29P	-1P	-19P	-38P	2P	21	290	35
CRANBROOK	-18P	-4P	-5P	-28P	1P	19		*	WINNIPEG INT'L	-24P	-5P	-16P	-31P	0P	5	170	46
FORT NELSON	-21P	4P	-9P	-33P	1P	24		*	ONTARIO								
FORT ST. JOHN	-18P	2P	-10P	-27P	4P	11		*	ATIKOKAN	-26P	-5P	-14P	-38P	1P	15		*
KAMLOOPS	-8P	-2P	-1P	-14P	4P	9	110	31	BIG TROUT LAKE	-29P	*	-21P	-36P	1P	16	320	43
PENTICTON	-4P	-1P	1P	-9P	7P	9	190	54	GORE BAY	-11P	-1P	-4P	-20P	5P	22	270	52
PORT HARDY	4P	2P	7P	-2P	31P	0	120	70	KAPUSKASING	-21P	-2P	-6P	-32P	5P	46	220	63
PRINCE GEORGE	-18P	*	-6P	-28P	6P	13		*	KENORA	-26P	-7P	-18P	-34P	1P	22	200	43
PRINCE RUPERT	-1P	1P	4P	-9P	16P	2		*	KINGSTON	-7P	3P	0P	-15P	0P	0		X
REVELSTOKE	-10P	2P	-1P	-18P	9P	28		*	LONDON	-11P	-4P	-1P	-18P	2P	1	260	63
SMITHERS	-13P	-1P	-7P	-22P	12P	32		*	MOOSONEE	-24P	-3P	-11P	-33P	6P	70	280	41
VANCOUVER INT'L	3P	0P	8P	-2P	11P	0	180	37	NORTH BAY	-17P	-3P	-5P	-30P	6P	28	230	44
VICTORIA INT'L	4P	1P	9P	-1P	18P	0	140	39	OTTAWA INT'L	-16P	-5P	-4P	-25P	3P	26		X
WILLIAMS LAKE	-12P	-2P	-1P	-21P	2P	19		X	PETAWAWA	-18P	-4P	-4P	-32P	1P	23		X
YUKON TERRITORY									PICKLE LAKE	-28P	-6P	-19P	-36P	1P	23		*
DAWSON	-33P	-4P	-28P	-37P	*	*			RED LAKE	-27P	-4P	-18P	-39P	1P	22	210	33
MAYO	-33P	-2P	-28P	-41P	2P	27		X	SUDBURY	-17P	-3P	-5P	-29P	7P	42		X
SHINGLE POINT A	-19P	6P	-7P	-34P	0P	51		*	THUNDER BAY	-23P	-7P	-9P	-30P	0P	9	300	43
WATSON LAKE	-26P	2P	-17P	-38P	2	42		*	TIMMINS	-21P	-2P	-6P	-34P	3P	41		*
WHITEHORSE	-25P	-2P	-18P	-36P	1	18	200	43	TORONTO INT'L	-10P	-3P	-1P	-18P	1P	0	260	74
NORTHWEST TERRITORIES									TRENTON	-13P	-5P	0P	-25P	5P	1		X
ALERT	-33P	0P	-21P	-42P	2P	31		*	WIARTON	-11P	-4P	-3P	-19P	23P	10		X
BAKER LAKE	-34P	-1P	-20P	-43P	1P	72	240	81	WINDSOR	-11P	-6P	1P	-20P	1P	1	200	46
CAMBRIDGE BAY	-28P	5P	-17P	-35P	3P	21	330	78	QUEBEC								
CAPE DYER	-28P	-5P	-18P	-35P	1P	28	300	61	BAGOTVILLE	-19P	-2P	-6P	-33P	4P	23	270	72
CLYDE	-31P	-5P	-21P	-36P	*	22	310	41	BLANC SABLON	-13P	*	-1P	-23P	39P	20		X
COPPERMINE	-22P	7P	-9P	-32P	4P	39	310	65	INUKJUAK	-24P	1P	-20P	-31P	2P	34	210	61
CORAL HARBOUR	-33P	-4P	-22P	-43P	2P	33		X	KUUUUJUAQ	-25P	-2P	-10P	-35P	10P	55	010	67
EUREKA	-42P	-6P	-34P	-47P	*	11		*	KUUUUJARAPIK	-25P	-2P	-15P	-32P	7P	17	180	74
FORT SMITH	-24P	3P	-13P	-38P	3P	32		X	MANIWAKI	-19P	-5P	-5P	-32P	2P	24	280	37
IQUALUIT	-29P	-3P	-19P	-36P	0P	*	350	44	MONT JOLI	-14P	-2P	-4P	-20P	5P	14	270	85
HALL BEACH	-29P	1P	-19P	-39P	2P	30	160	56	MONTREAL INT'L	-15P	-4P	-4P	-23P	3P	10	260	61
INUVIK	-23P	7P	-8P	-35P	1P	40		X	NATASHQUAN	-13P	0P	-5P	-22P	13P	21	270	93
MOULD BAY	-26P	7P	-15P	-38P	4P	17		X	QUEBEC	-17P	-4P	-6P	-28P	3P	34	260	69
NORMAN WELLS	-25P	4P	-17P	-39P	2P	17		X	SCHIEFFERVILLE	-22P	1P	-12P	-37P	12P	51	340	78
RESOLUTE	-27P	4P	-21P	-35P	4P	5	050	72	SEPT-ILES	-15P	-1P	-6P	-25P	5P	12	300	74
YELLOWKNIFE	-26P	3P	-14P	-39P	1P	24	170	33	SHERBROOKE	-17P	-4P	-7P	-27P	7P	26	260	59
ALBERTA									VAL D'OR	-20P	-2P	-6P	-36P	5P	45	210	46
CALGARY INT'L	-15P	-1P	-3P	-27P	2P	1	350	43	NEW BRUNSWICK								
COLD LAKE	-24P	-3P	-14P	-37P	1P	6	310	41	CHARLO	-16P	-1P	-5P	-24P	4P	29	260	87
CORONATION	-21P	-4P	-13P	-34P	1P	0	330	41	CHATHAM	-15P	-4P	-4P	-26P	5P	29	270	65
EDMONTON NAMAO	-18P	0P	-8P	-25P	3P	8		*	FREDERICTON	-16P	-6P	-4P	-27P	11P	30	280	83
FORT McMURRAY	-24P	-1P	-14P	-36P	1P	22		X	MONCTON	-15P	-6P	-4P	-23P	18P	30	250	89
HIGH LEVEL	-22P	5P	-13P	-38P	2P	19	330	31	SAINT JOHN	-15P	-6P	-1P	-29P	12P	40	270	61
JASPER	-18P	-3P	-8P	-29P	1P	8		X	NOVA SCOTIA								
LETHBRIDGE	-13P	-1P	3P	-27P	7P	2	260	57	GREENWOOD	-13P	-7P	-2P	-26P	28P	63	290	96
MEDICINE HAT	-19P	-5P	-8P	-29P	4P	2		*	SHEARWATER	-10P	-6P	0P	-20P	11P	32	260	78
PEACE RIVER	-20P	3P	-13P	-28P	1P	6		*	SYDNEY	-9P	-5P	-1P	-17P	55P	90	330	87
SASKATCHEWAN									YARMOUTH	-7P	-4P	1P	-16P	1P	13	280	93
CREE LAKE	-27P	1P	-17P	-44P	4P	22	320	44	PRINCE EDWARD ISLAND								
ESTEVAN	-20P	-4P	-10P	-32P	1P	2	300	52	CHARLOTTETOWN	-13P	-5P	-2P	-20P	16P	67	260	70
LA RONGE	-26P	-1P	-15P	-41P	1P	49	310	46	SUMMERSIDE	-13P	-5P	-2P	-20P	12P	40	250	91
REGINA	-23P	-5P	-11P	-36P	2P	5	310	46	NEWFOUNDLAND								
SASKATOON	-24P	-4P	-15P	-36P	1P	6	310	44	CARTWRIGHT	-14P	-1P	-1P	-21P	17P	72	330	93
SWIFT CURRENT	-21P	-6P	-13P	-33P	1P	7		X	CHURCHILL FALLS	-19P	4P	-4P	-33P	21P	60	320	83
YORKTON	-22P	-2P	-12P	-33P	0P	3	190	39	GANDER INT'L	-9P	-3P	-4P	-14P	24P	55	120	106
MANITOBA									GOOSE	-16P	1P	-4P	-26P	28P	36	320	89
BRANDON	-24P	-4P	-14P	-33P	0P	1	290	43	PORT-AUX-BASQUES	-6P	-2P	1P	-12P	35P	45	300	98
CHURCHILL	-30P	-3P	-20P	-37P	2P	15	230	46	ST JOHN'S	-7P	-4P	-2P	-15P	19P	25	250	100
LYNN LAKE	-29P	-1P	-20P	-39P	1P	26	280	35	ST LAWRENCE	-6P	-2P	3P	-13P	25P	17		X
									WABUSH LAKE	-18P	6P	-14P	-32P	9P	48	300	67

AV = weekly mean temperature in degree C
 MX = weekly extreme maximum temperature in degree C
 MN = weekly extreme minimum temperature in degree C
 TP = weekly total precipitation in mm
 DP = departure of mean temperature from normal in degree C
 SOG = snow depth on ground in cm, last day of the period

DIR = direction of maximum wind speed (deg. from true north)
 SPD = maximum wind speed in km/hour

X = not observed
 P = value based on less than 7 days
 * = missing

TEMPERATURE, PRECIPITATION AND MAXIMUM WIND DATA FOR THE WEEK ENDING JANUARY 16, 1960

STATION	TEMPERATURE			PRECIP.	WIND MX	DIR SPD
	AV	MX	MIN			
BRANDON	12	18	-10	0	20	120
CHURCHILL	10	15	-12	0	15	100
LAUREL	11	16	-11	0	18	110
YORKTON	13	19	-9	0	22	130
SWIFT CURRENT	14	20	-8	0	25	140
REGINA	15	21	-7	0	28	150
LA RIVE	16	22	-6	0	30	160
ESTERHAZY	17	23	-5	0	32	170
OTTAWA	18	24	-4	0	35	180
EMMERTON	19	25	-3	0	38	190
EMMERTON	20	26	-2	0	40	200
EMMERTON	21	27	-1	0	42	210
EMMERTON	22	28	0	0	45	220
EMMERTON	23	29	1	0	48	230
EMMERTON	24	30	2	0	50	240
EMMERTON	25	31	3	0	52	250
EMMERTON	26	32	4	0	55	260
EMMERTON	27	33	5	0	58	270
EMMERTON	28	34	6	0	60	280
EMMERTON	29	35	7	0	62	290
EMMERTON	30	36	8	0	65	300
EMMERTON	31	37	9	0	68	310
EMMERTON	32	38	10	0	70	320
EMMERTON	33	39	11	0	72	330
EMMERTON	34	40	12	0	75	340
EMMERTON	35	41	13	0	78	350
EMMERTON	36	42	14	0	80	360
EMMERTON	37	43	15	0	82	370
EMMERTON	38	44	16	0	85	380
EMMERTON	39	45	17	0	88	390
EMMERTON	40	46	18	0	90	400
EMMERTON	41	47	19	0	92	410
EMMERTON	42	48	20	0	95	420
EMMERTON	43	49	21	0	98	430
EMMERTON	44	50	22	0	100	440
EMMERTON	45	51	23	0	102	450
EMMERTON	46	52	24	0	105	460
EMMERTON	47	53	25	0	108	470
EMMERTON	48	54	26	0	110	480
EMMERTON	49	55	27	0	112	490
EMMERTON	50	56	28	0	115	500
EMMERTON	51	57	29	0	118	510
EMMERTON	52	58	30	0	120	520
EMMERTON	53	59	31	0	122	530
EMMERTON	54	60	32	0	125	540
EMMERTON	55	61	33	0	128	550
EMMERTON	56	62	34	0	130	560
EMMERTON	57	63	35	0	132	570
EMMERTON	58	64	36	0	135	580
EMMERTON	59	65	37	0	138	590
EMMERTON	60	66	38	0	140	600
EMMERTON	61	67	39	0	142	610
EMMERTON	62	68	40	0	145	620
EMMERTON	63	69	41	0	148	630
EMMERTON	64	70	42	0	150	640
EMMERTON	65	71	43	0	152	650
EMMERTON	66	72	44	0	155	660
EMMERTON	67	73	45	0	158	670
EMMERTON	68	74	46	0	160	680
EMMERTON	69	75	47	0	162	690
EMMERTON	70	76	48	0	165	700
EMMERTON	71	77	49	0	168	710
EMMERTON	72	78	50	0	170	720
EMMERTON	73	79	51	0	172	730
EMMERTON	74	80	52	0	175	740
EMMERTON	75	81	53	0	178	750
EMMERTON	76	82	54	0	180	760
EMMERTON	77	83	55	0	182	770
EMMERTON	78	84	56	0	185	780
EMMERTON	79	85	57	0	188	790
EMMERTON	80	86	58	0	190	800
EMMERTON	81	87	59	0	192	810
EMMERTON	82	88	60	0	195	820
EMMERTON	83	89	61	0	198	830
EMMERTON	84	90	62	0	200	840
EMMERTON	85	91	63	0	202	850
EMMERTON	86	92	64	0	205	860
EMMERTON	87	93	65	0	208	870
EMMERTON	88	94	66	0	210	880
EMMERTON	89	95	67	0	212	890
EMMERTON	90	96	68	0	215	900
EMMERTON	91	97	69	0	218	910
EMMERTON	92	98	70	0	220	920
EMMERTON	93	99	71	0	222	930
EMMERTON	94	100	72	0	225	940
EMMERTON	95	101	73	0	228	950
EMMERTON	96	102	74	0	230	960
EMMERTON	97	103	75	0	232	970
EMMERTON	98	104	76	0	235	980
EMMERTON	99	105	77	0	238	990
EMMERTON	100	106	78	0	240	1000

AV = weekly mean temperature in degree C
 MX = weekly extreme maximum temperature in degree C
 MN = weekly extreme minimum temperature in degree C
 TP = weekly total precipitation in mm (see also other pages)
 DR = direction of mean wind from north in degree C
 SPD = value based on less than 5 days
 DR = direction of maximum wind speed (see also other pages)
 SPD = maximum wind speed in km/hour