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# A WEEKLY REVIEW OF CANADIAN CLIMATE

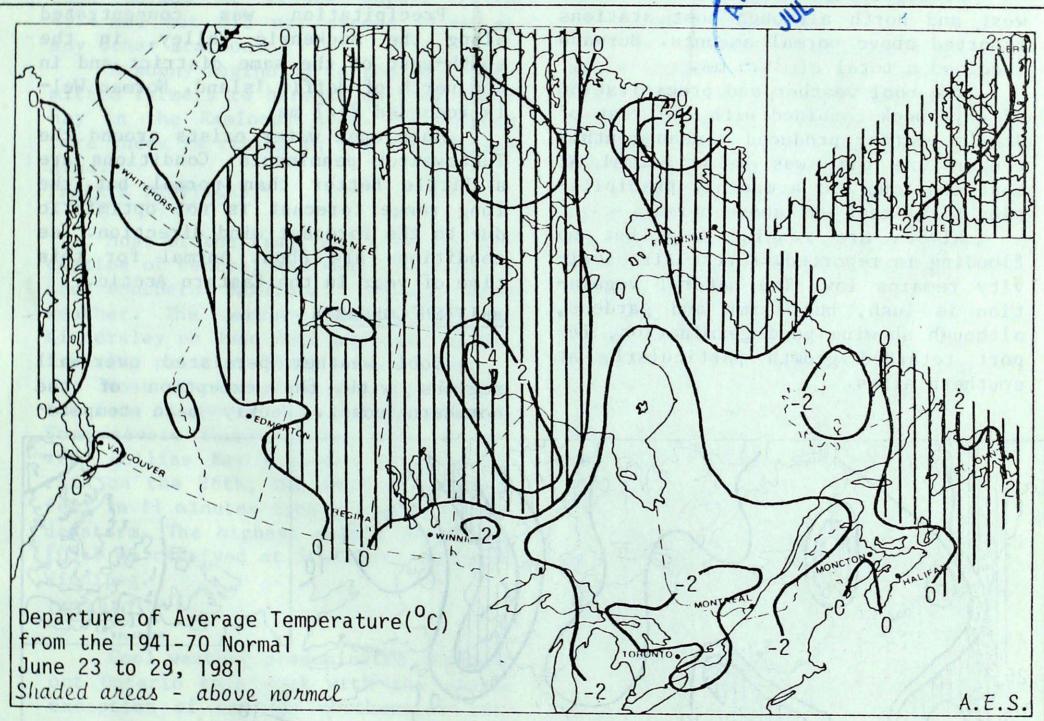
# CLIMATIC PERSPECTIVES

THE CANADIAN CLIMATE CENTRE,
ATMOSPHERIC ENVIRONMENT SERVICE,
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JULY 3, 1981

(Aussi disponible en français)

VOL.3 NO.26



# WEATHER HIGHLIGHTS FOR THE PERIOD - JUNE 23 TO 29, 1981

Heavy rains fall on New Brunswick

Heavy rains on June 25th and 26th in New Brunswick caused heavy soil erosion in the upper Saint John River Valley. Saint John received 90 mm of rain in this period, 80.8 mm of which fell on the first day.

Spring weather has been good for the forest fire situation in Quebec. At the end of the month the total area burning was only 10% of the previous five year average. Sunny weather in many hay growing areas of the country allowed haying operations to start or continue. The Nova Scotia hay crop looks especially good.

Temperatures across the country varied from a maximum of 33° at Kindersley, Saskatchewan to a minimum of -4° at several Northwest Territory stations. The highest weekly precipitation amount, 114.4 mm, was recorded at Kenora, Ontario.

NOTE: The data shown in this publication are based on unverified reports from approximately 225 Canadian and 115 northern United States Synoptic stations.

#### YUKON

Cool unsettled weather continued this week. Mean temperatures for the week oscillated between 2° to 6° below normal with the exception of the extreme north-east. The mercury reached 21° at Mayo on June 26th and fell to -3°at Burwash two days later.

Precipitation was abundant in the west and north although most stations reported above normal amounts. Burwash received a total of 35.5 mm.

The cool weather and precipitation of this week combined with the rest of June's weather produced a mean monthly temperature that was below normal at most stations and a monthly precipitation total that was above normal.

Rivers are running high but no flooding is reported. Forest fire activity remains low. The natural vegetation is lush, but farms and gardens, although showing good germination, report retarded growth particularly at southern sites.

### NORTHWEST TERRITORIES

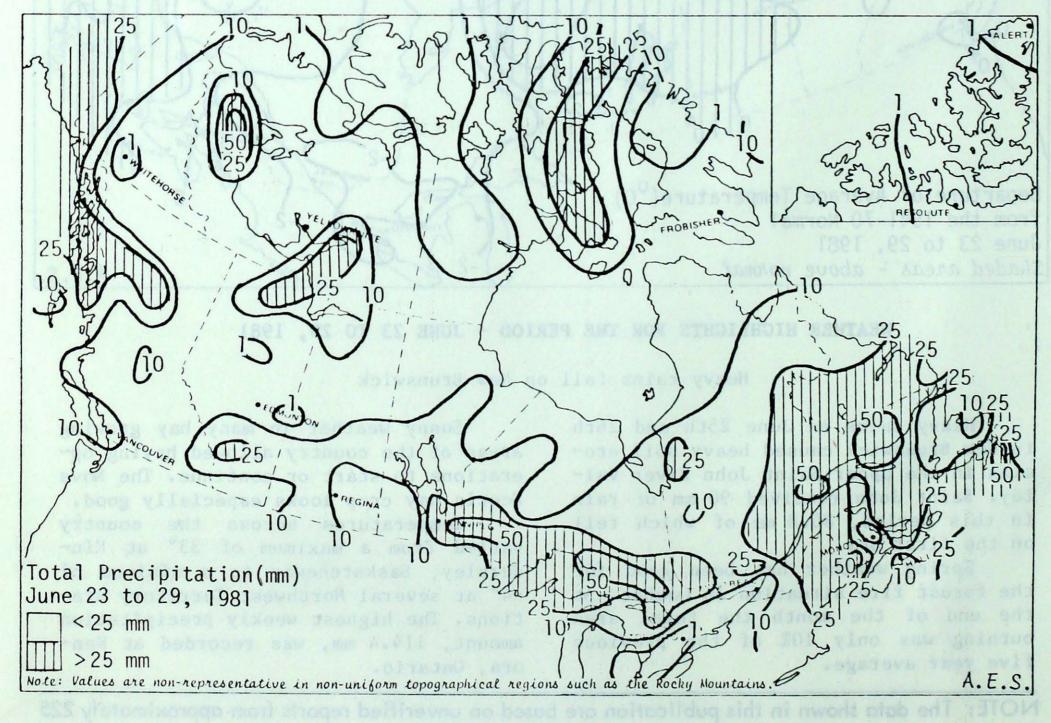
Warm weather was enjoyed by all regions (mean temperatures exceeded 4° above normal in some areas) except for the west of the Mackenzie district. The temperature rose to a maximum of 25° at Fort Simpson on the 23rd and fell to a minimum of -4° at Cape Hooper and Clyde on the 25th.

Precipitation was concentrated along the Mackenzie Valley, in the south-east of the same district and in the north of Baffin Island. Norman Wells recorded 84.7 mm.

Much open water exists around the Tuktoyaktuk penninsula. Conditions are a little better than normal but the long range forecast is not optimistic due to the forecast wind direction. Ice conditions are about normal for this time of year in the Eastern Arctic.

## BRITISH COLUMBIA

Cool weather persisted over all regions with the exception of the northern coast. Weekly mean tempera-



tures were less than 1° below normal at most stations and the mercury reached 32° at Kamloops on the 25th. No below freezing temperatures were recorded this week although three stations, Blue River, Burns Lake and Dease Lake registered minimums of 1°.

In contrast to previous weeks, precipitation was below normal at most stations this week. Precipitation exceeded normal at Prince Rupert (with 49.4 mm) but did not exceed 21 mm at any other station.

A sunny beginning to the week permitted farmers to harvest most of their hay in the Kamloops area. The forest fire index is rising in the Fort Nelson area.

## PRATRIE PROVINCES

Most of the Prairies, with the exception of central and southern Alberta and southern Manitoba, enjoyed warm weather. The mercury reached 33° at Kindersley on June 26th and fell to the freezing point at Banff on the 24th.

Most precipitation was received in the form of showers and thundershowers. Some severe thunderstorms were reported. Collins Bay recorded 101.8 mm of rain on the 26th, but 98.2 mm of this fell in 11 minutes from a violent thunderstorm. The highest weekly total was 105.9 mm received at Steinback south of Winnipeg.

#### ONTARTO

Cool weather predominated throughout Ontario this week with the single
exception of extreme northwestern areas. Mean temperatures exceeded 2°
above normal in the northwest and were
more than 3° below normal in some
southern areas. The mercury rose to 32°
at Windsor on June 29th and fell to the
freezing point at Geraldton on June
25th.

Precipitation was abundant at many stations in the central and northern areas of the province. Kenora recorded 114.4 mm of precipitation for the week. In the south, with the exception of some locally adverse weather on the 22nd and 25th, fine weather was experienced.

Good drying conditions have been a help to haying operations in most agricultural areas of the province.

## QUEBEC

The area of cool weather expanded to take in most of the province this week. Only the Ungava region escaped. On average, mean temperatures were between 2° to 3° below normal. Temperatures reached 28° at Bagotville on June 28th and at Sherbrooke the next day. In the north of the province the mercury fell through the freezing point to hit—1° at many stations.

In general, precipitation was above normal. It was the Gulf coastal area where the greatest weekly prcipitation occurred. Natashquan recorded 82.4 mm and Baie Comeau recorded 60.7 mm of precipitation.

The considerable number of days with precipitation during June retarded haying operations. The warm weather at week's end did help some farmers with their first cut.

The month's weather also kept the forest fire situation favourable. As of June 30th, 437 fires were burning over a total of 1115 hectares. This is very favourable compared to the last 5 years when an average of 600 fires covering more than 13000 hectars were burning.

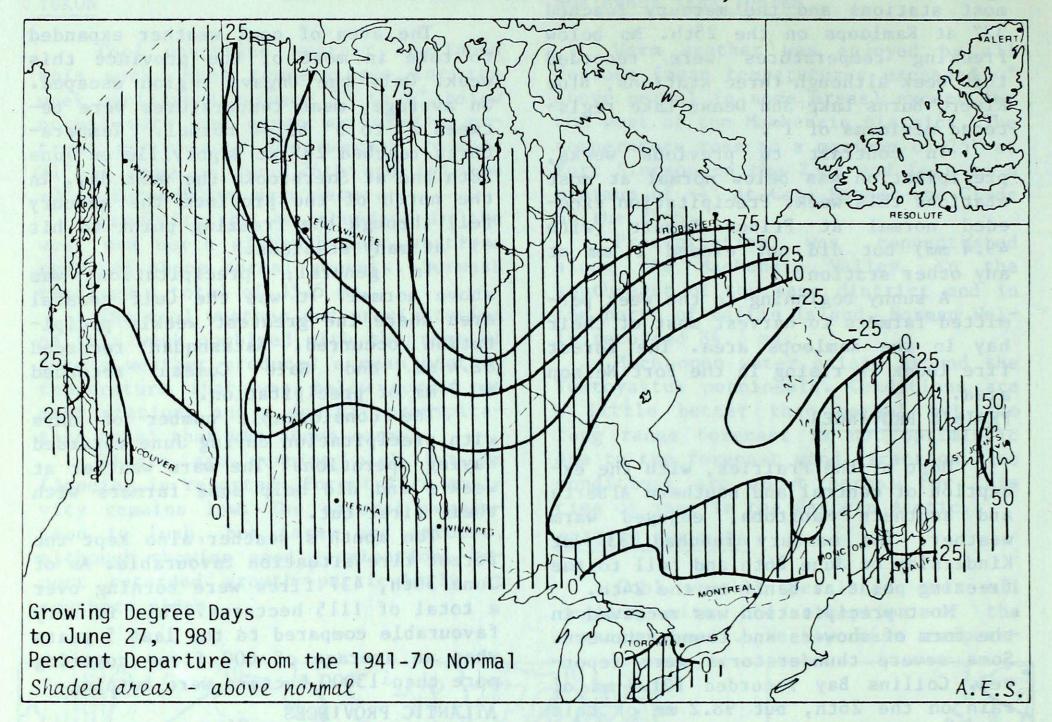
#### ATLANTIC PROVINCES

This week brought warm weather to Newfoundland but cool weather to central Labrador and the three other provinces. The mercury reached 27° at Fredericton on the 28th and fell to 1° at Churchill on the 24th.

Precipitation was generally above normal in Newfoundland. In the Maritimes, with the exception of some stations in Nova Scotia, precipitation was limited to the 25th and 26th of June. Heavy soil erosion in the Upper Saint John river valley was the result of heavy rain in New Brunswick during these two days. Saint John received 90 mm of rain, 80.8 mm of which fell on the first day. This deluge produced much local flooding and pushed the monthly total to 216.6 mm, close to a record for June.

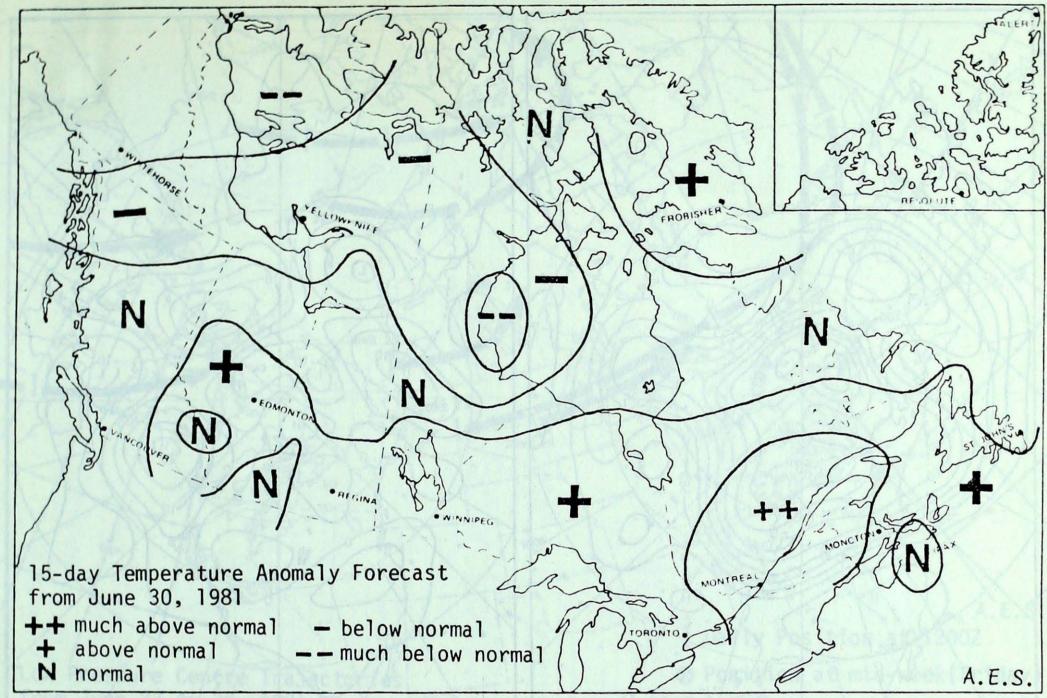
Haying is progressing well in Nova Scotia with a good, heavy crop. The strawberry crop is excellent. There is some delay in potato hilling and spraying due to the high rainfall frequency, but this improved at week's end.

## GROWING DEGREE-DAY SUMMARY TO JUNE 27, 1981



ob zeoblew miskiple	MONTHLY	MONTHLY DIFF.	SEASONAL	SEASONAL	SEASONAL
CITY	CUMULATIVE	FROM 1941-70	TOTAL	DIFF. FROM	PERCENT
	TOTAL	NORMAL		1941-70 NORMAL	OF NORMAL
Harrist House Town					
Whitehorse	155.0	-43.0	277.0	16.0	106
Penticton	255.5	-72.5	648.5	-71.5	90
Vancouver	233.0	-40.0	712.0	50.0	108
Edmonton	251.0	4.0	563.0	142.0	134
Calgary	185.5	-33.5	411.5	38.5	110
Regina	262.0	-14.0	566.0	93.0	120
Saskatoon	266.5	-8.5	557.5	84.5	118
Winnipeg	292.0	-12.0	522.0	20.0	104
Thunder Bay	230.0	-4.0	372.5	18.5	105
Windsor	408.0	14.0	858.0	66.0	108
Toronto	325.0	-22.0	553.0	-86.0	87
Ottawa	341.0	-6.0	614.0	-7.0	99
Montreal	346.0	-12.0	622.0	-12.0	98
Quebec	293.5	-3.5	493.5	8.5	102
Fredericton	297.5	7.5	528.5	49.5	110
Halifax	237.5	-9.5	395.5	17.5	105
Charlottetown	258.5	20.5	452.5	118.5	135
St John's	151.5	9.5	292.0	123.0	173

## 15 DAY TEMPERATURE ANOMALY FORECAST



## Forecast Method

Analogue technique based on point prediction at 70 Canadian stations.

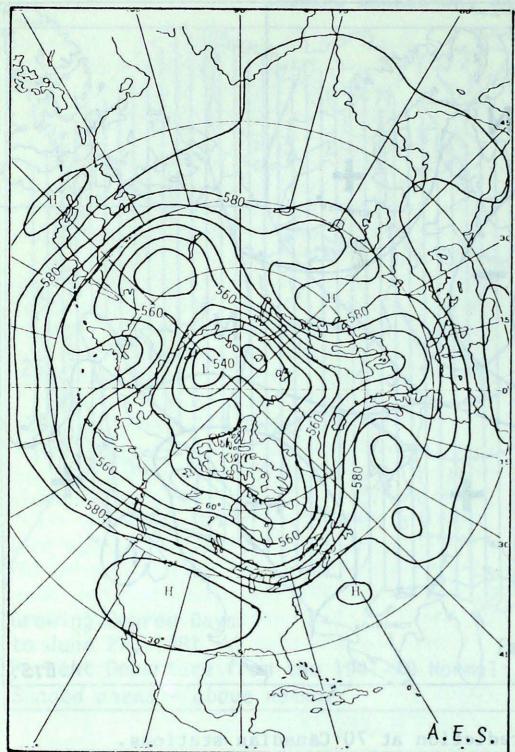
# Temperature Scale Indian square was the square was the square scale Indian square was the square

Each temperature class is designed to contain 20% of the historically observed 15 day means pertinent to specific location and time of year:

Station	Current Temp	erature Anomaly Forecast
Whitehorse	Much Below Normal	More than 1.5° below Normal
Victoria	Near Normal	Within 0.3° of Normal
Vancouver	Near Normal	Within 0.3° of Normal
Edmonton	Above Normal	From 0.4° to 1.4° above Normal
Regina	Above Normal	From 0.4° to 1.5° above Normal
Winnipeg	Above Normal	From 0.4° to 1.5° above Normal
Thunder Bay	Above Normal	From 0.4° to 1.2° above Normal
Toronto	Above Normal	From 0.4 to 1.5° above Normal
Ottawa	Much Above Normal	More than 1.4° above Normal
Montreal	Much Above Normal	More than 1.3° above Normal
Quebec	Much Above Normal	More than 1.3° above Normal
Fredericton	Above Normal	From 0.4° to 1.3° above Normal
Halifax	Near Normal	Within 0.3° of Normal
Charlottetown	Above Normal	From 0.4° to 1.3° above Normal
St. John's	Near Normal	Within 0.5° of Normal
Goose Bay	Near Normal	Within 0.5° of Normal
Frobisher Bay	Above Normal	From 0.4° to 1.2° above Normal
Inuvik	Much Below Normal	More than 1.8° below Normal

Note: Anomaly denotes departure from the 1949-73 mean.

## Atmospheric Circulation

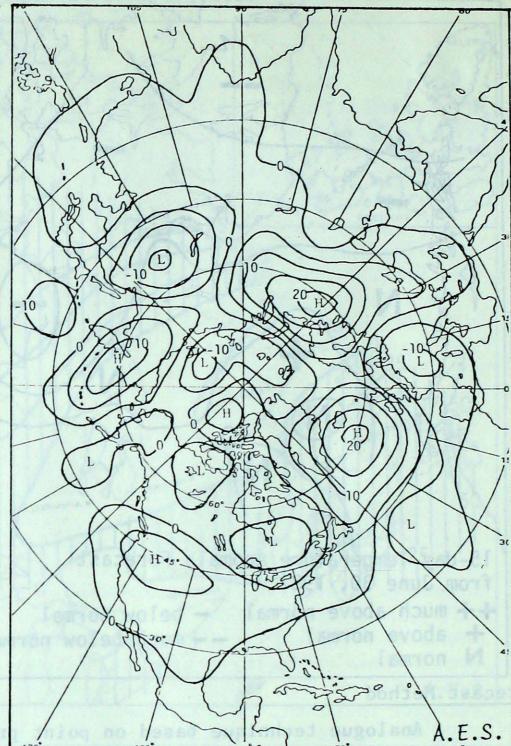


7-day Mean 50 kPa Height Map(in dam) June 22 to 28, 1981

Strong solar heating intensified a nearly stationary 50 kPa anti-cyclone over the central United States. This strong high pressure area in the troposphere is now beginning to extend its influence northward into British Columbia and southern Alberta. This is forcing the main west-east upper current to shift northward and allowing height anomalies over western Canada to return to near normal values.

British Columbia experienced significantly drier weather than in previous weeks although numerous weak disturbances did approach the coast and move inland across the prairies.

A well defined storm track originating in the American mid-west crossed the great lakes and the Atlantic Provinces. Strong triggering pulses in the upper atmosphere supported significant low pressure systems and their associa-



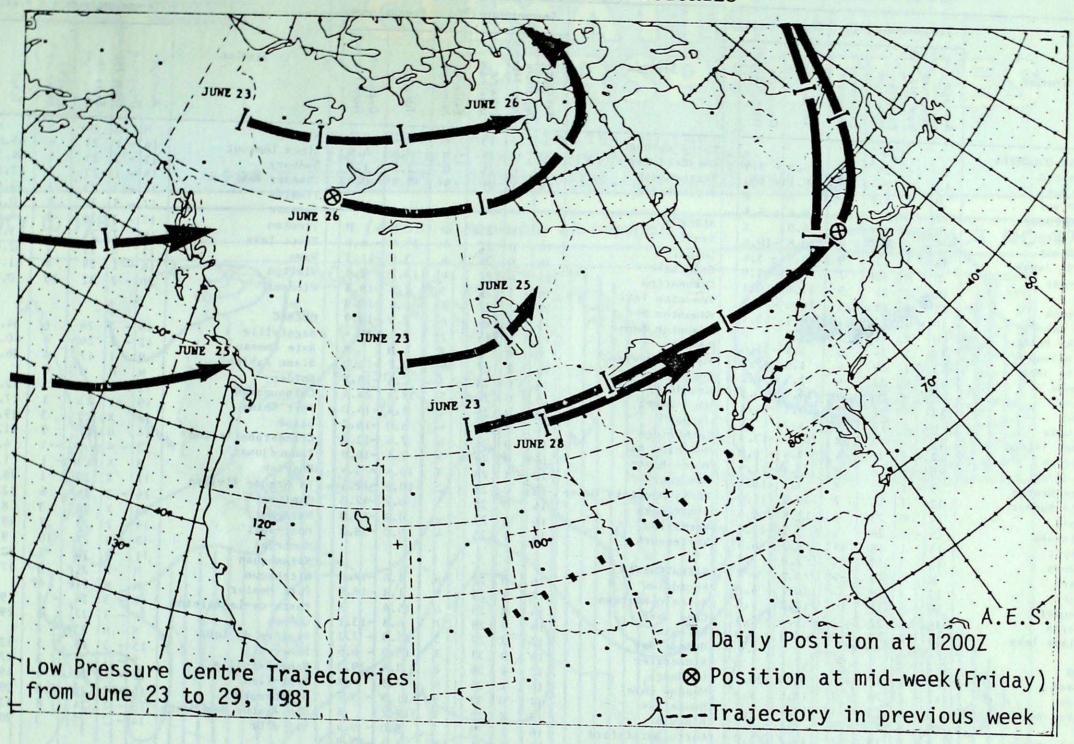
7-day Mean 50 kPa Height Anomaly (in 5 dam intervals) June 22 to 28, 1981

ted frontal zones. Areas in the vicinity of the storm track received above normal precipitation amounts. The interaction of strongly contrasting airmasses triggered wide spread shower and thunderstorm activity. Heavy thunderstorms with high winds and hail were reported in southern Manitoba and eastern Ontario.

Southern Ontario enjoyed generally fair weather due to its southward
extension, but very warm and humid
tropical air penetrated northward during the latter part of the period
pushing temperatures into the low 30's.

The Atlantic Provinces experienced variable and wet conditions. A series of low pressure systems approached from the west causing wide spread rain and shower activity. During one two day mid-week period some localities in New Brunswick received 90 mm of rain.

# LOW PRESSURE CENTRE TRAJECTORIES



#### CLIMATIC PERSPECTIVES

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# TEMPERATURE AND PRECIPITATION DATA FOR THE WEEK ENDING 0600 G.M.T. JUNE 30, 1981

Abbotsford	RRITISH COLUMBIA  thobotaford  A		Temperature (°C) Precip. (mm					. (mm)
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Victoria         14         0         22         7         1.7         - 4.3           Williams Lake         13         0         23         2         7.5         - 8.0           YUKON         Burwash         10         - 2         17         - 3         35.5         20.7           Komakuk Beach         4         0         13         - 1         12.1         5.2           Komakuk Beach         4         0         13         - 1         12.1         5.2           Mayo         M         M 21P         - 1         2.1         7.2           Shingle Point         8         0         19         1         11.7         5.0           Watson Lake         11         - 2         19         1         0.0         - 9.6           Whitehorse         11         - 2         19         1         0.0         - 9.6           NORTHWEST TERRITORIES         11         - 2         19         1         0.0         - 9.6           NORTHWEST TERRITORIES         2         18         2         0.0         - 5.0           Baker Lake         9         2         18         2         0.0         - 6.0	Victoria         14         0         22         7         1.7         - 4.3           Williams Lake         13         0         23         2         7.5         - 8.0           YUKON         10         - 2         17         - 3         35.5         20.7           Dawson         11         - 4         20         - 2         15.6         4.9           Komakuk Beach         4         0         13         - 1         12.1         5.2           Mayo         M         M         21P         - 1         2.1         7.2           Shingle Point         8         0         19         1         11.7         5.0           Watson Lake         11         - 3         19         3         3.3         -10.7           Watson Lake         11         - 2         19         1         0.0         - 9.6           NORTHWEST TERRITORIES         4         2         13         3         3.3         - 10.7           Alert         4         2         13         3         3.2         - 7         1.8           Broughton Island         3         3         12         3         2.7         1.8 </td <td></td> <td>No.</td> <td>1</td> <td>PA 1725</td> <td>STATE OF THE PARTY OF THE PARTY</td> <td>The same of the same of</td> <td>All and the same</td>		No.	1	PA 1725	STATE OF THE PARTY	The same of the same of	All and the same
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Burwash   10   - 2   17   - 3   35.5   20.7     Dawson   11   - 4   20   - 2   15.6   4.9     Komakuk Beach   4   0   13   - 1   12.1   5.2     Mayo   N   M   21P   - 1   2.1   - 7.2     Shingle Point   8   0   19   1   11.7   5.0     Watson Lake   11   - 3   19   3   3.3   -10.7     Whitehorse   11   - 2   19   1   0.0   - 9.6     NORTHWEST TERRITORIES	Burwash   10   - 2   17   - 3   35.5   20.7     Dawson   11   - 4   20   - 2   15.6   4.9     Komakuk Beach   4   0   13   - 1   12.1   5.2     Mayo   11   - 3   19   1   11.7   5.0     Watson Lake   11   - 3   19   3   3.3   -10.7     Watson Lake   11   - 2   19   1   0.0   - 9.6     Whitchorse   11   - 2   19   1   0.0   - 9.6     WorthWest Territories   4   2   13   - 3   0.0   - 5.0     Baker Lake   8   9   2   18   2   0.0   - 4.6     Broughton Island   3   3   13   - 3   4.2   - 3.8     Byron Bay   7   2   12   3   2.7   1.8     Cambridge Bay   6   1   13   0   0.0   - 2.8     Cape Dorset   4   X   9   0   3.4   X     Cape Borset   3   11   - 2   14.7   4.1     Cape Hooper   3   3   11   - 4   0.2   - 6.6     Cape Parry   5   1   13   - 1   2.8   - 0.8     Cape Young   5   1   11   1   0.0   - 3.5     Clinton Point   7   2   13   0   4.0   - 1.4     Clyde   2   - 1   7   - 4   0.0   - 2.4     Contwoyto Lake   M   M   18   - 1P   4.0   0.3     Contwoyto Lake   M   M   18   - 1P   4.0   0.3     Contwoyto Lake   M   M   18   - 1P   4.0   0.3     Coral Harbour   5   0   12   1   31.4   25.7     Devar Lakes   5   4   1   - 1   0.0   - 4.3     Ennadai   M   M   M   OP   M   M     Eureka   8   3   7   2   1.7   1.1     Fort Rellance   13   1   23   6   33.8   28.7     Fort Simpson   15   25   5   3.7   - 4.9     Fort Simpson   15   22   7   30.1   22.9     Fort Simpson   15   22   7   30.1   22.9     Fort Simth   7   1   1   1   0.0   - 0.6     Hall Beach   1   - 1   5   2   23.6   20.2     Hay River   15   2   24   7   4.5   - 2.9     Mackar Inlet   6   4   11   0   0   0   - 0.6     Mackar Inlet   6   4   11   0   0   0   0   0     Mackar Inlet   6   4   11   0   0   0   0     Mackar Inlet   6   4   11   0   0   0   0     Mould Bay   10   0   0   0   0   0   0     Norman Wells   13   2   20   5   84.7   75.4     Pond Unlet   5   X   11   1   33.0   X		13	0	23	2	7.5	- 8.0
Dawson	Dawson		10	2	1.7		35 5	20.7
Komakuk Beach         4         0         13         - 1         12.1         5.2           Mayo         M         21P         - 1         2.1         - 7.2           Shingle Point         8         0         19         1         11.7         5.0           Watson Lake         11         - 3         19         3         3.3         -10.7           Whitehorse         11         - 2         19         1         0.0         - 9.6           NORTHWEST TERRITORIES         -	Komakuk Beach         4         0         13         - 1         12.1         5.2           Mayo         M         21P         - 1         2.1         - 7.2           Shingle Point         8         0         19         1         11.7         5.0           Watson Lake         11         - 3         19         3         3.3         -10.7           Whitehorse         11         - 2         19         1         0.0         - 9.6           NORTHWEST TERRITORIES         -		100000		12770	1.60	A CONTRACTOR OF THE PARTY OF TH	10 A 2
Shingle Point         8         0         19         1         11.7         5.0           Watson Lake         11         -3         19         3         3.3         -10.7           Whitehorse         11         -2         19         1         0.0         -9.6           NORTHWEST TERRITORIES         Alert         4         2         13         -3         0.0         -5.0           Alert         9         2         18         2         0.0         -4.6           Baker Lake         9         2         18         2         0.0         -4.6           Broughton Island         3         3         13         -3         4.2         -3.8           Broughton Bay         7         2         12         3         2.7         1.8           Cambridge Bay         6         1         13         0         0.0         2.8           Cape Dorset         4         X         9         0         3.4         X           Cape Parry         5         1         13         -1         2.8         -0.8           Cape Parry         5         1         13         -1         2.0         -3.2	Shingle Point		311	100	100000000000000000000000000000000000000		E 300	
Watson Lake Whitehorse    11	Watson Lake         11 - 3 19 3 3.3 -10.7           Whitehorse         11 - 2 19 1 0.0         - 9.6           NORTHWEST TERRITORIES         4 2 13 - 3 0.0 - 5.0         - 6.0           Alert         9 2 18 2 0.0 - 4.6         - 3.8           Broughton Island         3 3 13 - 3 4.2 - 3.8         - 3.8           Byron Bay         7 2 12 3 2.7         1.8           Cambridge Bay         6 1 13 0 0.0 - 2.8           Cape Dorset         4 X 9 0 3.4         X           Cape Hooper         3 11 - 2 14.7         4.1           Cape Hooper         3 311 - 4 0.2 - 6.6         - 0.8           Cape Young         5 1 11 1 0.0 - 3.5           Clinton Point         7 2 13 0 4.0 - 1.4           Clyde         2 - 1 7 - 4 0.0 - 2.4           Contwoyto Lake         M M 18 - 1P 4.0 - 0.2           Coppermine         6 0 12 2 0.7           Coral Harbour         5 0 12 1 31.4           Dewar Lakes         5 4 11 - 1 0.0 - 4.3           Ennadai         M M M M OP           Eureka         8 3 17 2 1.7           Fort Simpson         15 1 25 5 3.7 - 4.9           Fort Smith         15 1 22 7 30.1 22.9           Fort Smith         15 1 22 7 30.1 22.9           Frobisher Bay <t< td=""><td></td><td>100</td><td>7.</td><td>100000</td><td></td><td></td><td></td></t<>		100	7.	100000			
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Alert       4       2       13       - 3       0.0       - 5.0         Baker Lake       9       2       18       2       0.0       - 4.6         Broughton Island       3       3       13       - 3       4.2       - 3.8         Byron Ray       7       2       12       3       2.7       1.8         Cambridge Bay       6       1       13       0       0.0       - 2.8         Cape Dorset       4       X       9       0       3.4       X         Cape Dyer       3       1       11       - 2       14.7       4.1         Cape Boorset       3       1       11       - 2       14.7       4.1         Cape Boorer       3       1       11       - 2       14.7       4.1         Cape Parry       5       1       13       - 1       2.8       - 0.8         Cape Young       5       1       11       1       0.0       - 2.8         Cape Young       5       1       11       1       0.0       - 2.8         Contwoyto Lake       M       M       18       - 1P       4.0       0.0       - 2	Alert       4       2       13       - 3       0.0       - 5.0         Baker Lake       9       2       18       2       0.0       - 4.6         Broughton Island       3       3       13       - 3       4.2       - 3.8         Byron Bay       7       2       12       3       2.7       1.8         Cambridge Bay       6       1       13       0       0.0       - 2.8         Cape Dorset       4       X       9       0       3.4       X         Cape Dyer       3       1       11       - 2       14.7       4.1         Cape Blooper       3       1       11       - 2       14.7       4.1         Cape Parry       5       1       13       - 1       2.8       - 0.8         Cape Young       5       1       11       1       0.0       - 2.8       - 0.8         Cape Young       5       1       11       1       0.0       - 2.8       - 0.8         Cape Young       5       1       11       1       0.0       - 2.2       - 8.0         Cape Young       6       1       1       1       0.0<		11	- 2	19	1	0.0	- 9.6
Baker Lake       9       2       18       2       0.0       - 4.6         Broughton Island       3       3       13       - 3       4.2       - 3.8         Byron Ray       7       2       12       3       2.7       1.8         Cambridge Bay       6       1       13       0       0.0       - 2.8         Cape Dorset       4       X       9       0       3.4       X         Cape Dorset       3       1       11       - 2       14.7       4.1         Cape Booper       3       3       11       - 4       0.2       - 6.6         Cape Parry       5       1       13       - 1       2.8       - 0.8         Cape Young       5       1       11       0.0       - 2.4         Cape Young       5       1       11       1       0.0       - 3.5         Cape Young       6       1       11       1       0.0       - 2.4         Cape Young       6       1       1       0.0       - 2.2       4         Cape Young       6       1       1       0.0       - 2.2       4         Cape Young	Baker Lake         9         2         18         2         0.0         - 4.6           Broughton Island         3         3         13         - 3         4.2         - 3.8           Byron Bay         7         2         12         3         2.7         1.8           Cape Dorset         4         X         9         0         3.4         X           Cape Dyer         3         1         11         -         2         14.7         4.1           Cape Blooper         3         3         11         -         2         14.7         4.1           Cape Parry         5         1         13         -         1         0.2         -         6.6           Cape Young         5         1         11         -         0.0         -         2         6.0           Cape Young         5         1         11         0.0         -         2         6.0         8.0         -         1.4         1.0         0.0         -         2         6.0         8.0         1.1         1.0         0.0         -         2         1.4         1.1         1.0         0.0         2         2 <td></td> <td></td> <td></td> <td>1</td> <td>2</td> <td>0.0</td> <td>5.0</td>				1	2	0.0	5.0
Broughton Island         3         3         13         - 3         4.2         - 3.8           Byron Bay         7         2         12         3         2.7         1.8           Cambridge Bay         6         1         13         0         0.0         - 2.8           Cape Dorset         4         X         9         0         3.4         X           Cape Dyer         3         1         11         - 2         14.7         4.1           Cape Blooper         3         1         11         - 2         14.7         4.1           Cape Parry         5         1         13         - 1         2.8         - 0.8           Cape Young         5         1         11         1         0.0         - 3.5           Clinton Point         7         2         13         0         4.0         - 1.4           Clyde         2         - 1         7         - 4         0.0         - 2.4           Contwoyto Lake         M         M         18         - 1P         4.0         0.3           Cortal Harbour         5         0         12         1         31.4         25.7	Broughton Island         3         3         13         - 3         4.2         - 3.8           Byron Ray         7         2         12         3         2.7         1.8           Cape Dorset         4         X         9         0         3.4         X           Cape Dyer         3         1         11         - 2         14.7         4.1           Cape Blooper         3         3         11         - 4         0.2         - 6.6           Cape Parry         5         1         13         - 1         2.8         - 0.8           Cape Young         5         1         11         1         0.0         - 3.5           Cape Young         5         1         11         1         0.0         - 3.5           Cape Young         5         1         11         1         0.0         - 3.5           Cape Young         5         1         11         1         0.0         - 2.8           Cape Young         5         1         11         1         0.0         - 2.4           Contwoyto Lake         M         M         M         18         - 1P         4.0         0.0				1	75.0	A CONTRACTOR OF THE PARTY OF TH	1
Byron Bay       7       2       12       3       2.7       1.8         Cambridge Bay       6       1       13       0       0.0       - 2.8         Cape Dorset       4       X       9       0       3.4       X         Cape Dyer       3       1       11       - 2       14.7       4.1         Cape Blooper       3       3       11       - 4       0.2       - 6.6         Cape Parry       5       1       13       - 1       2.8       - 0.8         Cape Young       5       1       11       1       0.0       - 3.5         Clinton Point       7       2       13       0       4.0       - 1.4         Clyde       2       -1       7       -4       0.0       - 2.4         Contwoyto Lake       M       M       18       -1P       4.0       0.3         Contwoyto Lake       M       M       18       -1P       4.0       0.0       -2.4         Contwoyto Lake       M       M       18       -1P       4.0       0.3       1.4         Contwoyto Lake       M       M       M       18       -1P       <	Syron Bay     7		1			1	1	- 3.8
Cambridge Bay         6         1         13         0         0.0         3.4         X           Cape Dyer         3         1         11         -2         14.7         4.1           Cape Hooper         3         3         11         -4         0.2         -6.6           Cape Parry         5         1         13         -1         2.8         -0.8           Cape Young         5         1         11         1         0.0         -3.5           Cintron Point         7         2         13         0         4.0         -1.4           Clyde         2         -1         7         -4         0.0         -2.4           Contwoyto Lake         M         M         18         -1P         4.0         0.3           Coppermine         6         0         12         2         0.7         -3.0           Coppermine         6         0         12         2         0.7         -3.0           Coral Harbour         5         0         12         1         31.4         25.7           Dewar Lakes         5         4         11         -1         0.0         -4.3 <t< td=""><td>Cambridge Bay         6         1         13         0         0.0         3.4         X           Cape Dyer         3         1         11         -2         14.7         4.1           Cape Hooper         3         3         11         -4         0.2         -6.6           Cape Parry         5         1         11         1         0.0         -3.5           Cape Young         5         1         11         1         0.0         -3.5           Clinton Point         7         2         13         0         4.0         -1.4           Clyde         2         -1         7         -4         0.0         -2.4           Contwoyto Lake         M         M         18         -1P         4.0         0.3           Coppermine         6         0         12         2         0.7         -3.0           Coppermine         6         0         12         2         0.7         -3.0           Coppermine         6         0         12         2         0.7         -3.0           Coppermine         6         0         12         2         0.7         -3.0</td><td>Byron Bay</td><td></td><td>A CONTRACTOR</td><td></td><td>100</td><td>Control of the control of the contro</td><td>1 20 00</td></t<>	Cambridge Bay         6         1         13         0         0.0         3.4         X           Cape Dyer         3         1         11         -2         14.7         4.1           Cape Hooper         3         3         11         -4         0.2         -6.6           Cape Parry         5         1         11         1         0.0         -3.5           Cape Young         5         1         11         1         0.0         -3.5           Clinton Point         7         2         13         0         4.0         -1.4           Clyde         2         -1         7         -4         0.0         -2.4           Contwoyto Lake         M         M         18         -1P         4.0         0.3           Coppermine         6         0         12         2         0.7         -3.0	Byron Bay		A CONTRACTOR		100	Control of the contro	1 20 00
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Clinton Point Clyde Contwoyto Lake Contwoyto Lake Coppermine 6 0 12 2 0.7 - 3.0 Coral Harbour Dewar Lakes Ennada! M M M OP M M Eureka Eureka B 3 17 2 1.7 1.1 Fort Reliance 13 1 23 6 33.8 28.7 Fort Simpson 15 1 25 5 3.7 - 4.9 Fort Smith 15 1 22 7 30.1 22.9 Frobisher Bay Cladman Point Ball Beach 1 - 1 5 - 2 23.6 Coral Harbour 10 - 2 24 3 6.6 0.6 Longstaff Bluff Mackar Inlet Mackar Inlet Morman Wells Port Burwell M X 18P 3P M X  X  Port Burwell M X 18P 3P M X	Clinton Point  Clyde  Contwoyto Lake  Contwoyto Lake  Coppermine  6 0 12 2 0.7 - 3.0  Coral Harbour  Dewar Lakes  Ennadai  M M M M OP M M  Eureka  Fort Reliance  13 1 23 6 33.8 28.7  Fort Simpson  Fort Smith  15 1 22 7 30.1 22.9  Frobisher Bay  Gladman Point  Hall Beach  1 - 1 5 - 2 23.6  Hay River  Inuvik  Jenny Lind Island  Jenny Lind Island  Longstaff Bluff  Mackar Inlet  Mackar Inlet  Morman Wells  Pelly Bay  Pond Inlet  Port Burwell  M M M O OP M M  M OP M  M M  A OP M  M M  A OP M  A M  A DP M  A DP  A OP D				1200	1	24 (48)	
Contwoyto Lake  Coppermine  Coppermine  Coral Harbour  Coral Harbour  Dewar Lakes  Ennadai  Eureka  Eureka  Rort Reliance  Soft Simpson  Fort Simpson  Fort Smith  Soft Bay  Frobisher Bay	Contwoyto Lake  Coppermine  Coppermine  Coral Harbour  Dewar Lakes  Ennadai  Eureka  Eureka  Fort Reliance  Is 1 23 6 33.8 28.7  Fort Simpson  Fort Smith  Fort Smith  Is 1 22 7 30.1 22.9  Frobisher Bay  Frobisher Bay  Frobisher Bay  Tolladman Point  Hall Beach  Hall Beach  Is 1 2 24 7 30.1 22.9  Frobisher Bay  Tolladman Point  Coppermine  Tolladman Point  Tolla		7	2	13		1	
Coppermine         6         0         12         2         0.7         - 3.0           Coral Harbour         5         0         12         1         31.4         25.7           Dewar Lakes         5         4         11         - 1         0.0         - 4.3           Ennadai         M         M         M         M         OP         M         M           Eureka         8         3         17         2         1.7         1.1           Fort Reliance         13         1         23         6         33.8         28.7           Fort Simpson         15         1         25         5         3.7         - 4.9           Fort Smith         15         1         25         5         3.7         - 4.9           Fort Smith         15         1         22         7         30.1         22.9           Frobisher Bay         7         1         14         1         2.4         7.1           Gladman Point         6         2         11         - 1         5.0         4.6           Hall Beach         1         - 1         5         - 2         23.6         20.2	Coppermine         6         0         12         2         0.7         - 3.0           Coral Harbour         5         0         12         1         31.4         25.7           Dewar Lakes         5         4         11         - 1         0.0         - 4.3           Ennadaí         M         M         M         M         OP         M         M           Eureka         8         3         17         2         1.7         1.1           Fort Reliance         13         1         23         6         33.8         28.7           Fort Simpson         15         1         25         5         3.7         - 4.9           Fort Smith         15         1         25         5         3.7         - 4.9           Fort Smith         15         1         22         7         30.1         22.9           Frobisher Bay         7         1         14         1         2.4         7.1           Gladman Point         6         2         11         - 1         5.0         4.6           Hay River         15         2         24         7         4.5         - 2.9      <		100	1.00	100	100	The state of the s	1
Goral Harbour         5         0         12         1         31.4         25.7           Dewar Lakes         5         4         11         - 1         0.0         - 4.3           Ennadaí         M         M         M         M         OP         M         M           Eureka         8         3         17         2         1.7         1.1           Fort Reliance         13         1         23         6         33.8         28.7           Fort Simpson         15         1         25         5         3.7         - 4.9           Fort Smith         15         1         25         5         3.7         - 4.9           Fort Smith         15         1         22         7         30.1         22.9           Frobisher Bay         7         1         14         1         2.4         - 7.1           Gladman Point         6         2         11         - 1         5.0         4.6           Hay River         15         2         24         7         4.5         - 2.9           Inuvik         10         - 2         24         3         6.6         0.6 <t< td=""><td>Goral Harbour         5         0         12         1         31.4         25.7           Dewar Lakes         5         4         11         - 1         0.0         - 4.3           Ennadaí         M         M         M         M         OP         M         M           Eureka         8         3         17         2         1.7         1.1           Fort Reliance         13         1         23         6         33.8         28.7           Fort Simpson         15         1         25         5         3.7         - 4.9           Fort Smith         15         1         25         5         3.7         - 4.9           Fort Smith         15         1         22         7         30.1         22.9           Frobisher Bay         7         1         14         1         2.4         - 7.1           Gladman Point         6         2         11         - 1         5.0         4.6           Hay River         15         2         24         7         4.5         - 2.9           Inuvik         10         - 2         24         3         6.6         0.6      <t< td=""><td></td><td>020,000</td><td>225</td><td>100</td><td>11 99 437</td><td></td><td>- 3.0</td></t<></td></t<>	Goral Harbour         5         0         12         1         31.4         25.7           Dewar Lakes         5         4         11         - 1         0.0         - 4.3           Ennadaí         M         M         M         M         OP         M         M           Eureka         8         3         17         2         1.7         1.1           Fort Reliance         13         1         23         6         33.8         28.7           Fort Simpson         15         1         25         5         3.7         - 4.9           Fort Smith         15         1         25         5         3.7         - 4.9           Fort Smith         15         1         22         7         30.1         22.9           Frobisher Bay         7         1         14         1         2.4         - 7.1           Gladman Point         6         2         11         - 1         5.0         4.6           Hay River         15         2         24         7         4.5         - 2.9           Inuvik         10         - 2         24         3         6.6         0.6 <t< td=""><td></td><td>020,000</td><td>225</td><td>100</td><td>11 99 437</td><td></td><td>- 3.0</td></t<>		020,000	225	100	11 99 437		- 3.0
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Fort Smith	Fort Smith		111			200	10.00	
Frobisher Bay         7         1         14         1         2.4         -7.1           Gladman Point         6         2         11         -1         5.0         4.6           Hall Beach         1         -1         5         -2         23.6         20.2           Hay River         15         2         24         7         4.5         -2.9           Inuvik         10         -2         24         3         6.6         0.6           Jenny Lind Island         5         2         11         -1         0.0         -0.5           Lady Franklin Point         6         2         12         1         1.0         -0.6           Longstaff Bluff         4         1         11         -2         0.9         -2.2           Mackar Inlet         6         4         11         0         26.9         25.7           Mould Bay         6         3         11         -1         0.0         -1.5           Nicholson Peninsula         5         -1         15         -2         2.0         -1.0           Norman Wells         13         -2         20         5         84.7         75.4	Frobisher Bay         7         1         14         1         2.4         -7.1           Gladman Point         6         2         11         -1         5.0         4.6           Hall Beach         1         -1         5         -2         23.6         20.2           Hay River         15         2         24         7         4.5         -2.9           Inuvik         10         -2         24         3         6.6         0.6           Jenny Lind Island         5         2         11         -1         0.0         -0.5           Lady Franklin Point         6         2         12         1         1.0         -0.6           Longstaff Bluff         4         1         11         -2         0.9         -2.2           Mackar Inlet         6         4         11         0         26.9         25.7           Mould Bay         6         3         11         -1         0.0         -1.5           Nicholson Peninsula         5         -1         15         -2         2.0         -1.0           Norman Wells         13         -2         20         5         84.7         75.4					The second second	A DOMESTIC OF THE PERSON NAMED IN	
Hall Beach Hay River  Inuvik	Hall Beach Hay River  Inuvik		1 700 0000	37/11/1	180850		2.4	- 7.1
Hay River 15 2 24 7 4.5 - 2.9 Inuvik 10 - 2 24 3 6.6 0.6 Jenny Lind Island 5 2 11 - 1 0.0 - 0.5 Lady Franklin Point 6 2 12 1 1.0 - 0.6 Longstaff Bluff 4 1 11 - 2 0.9 - 2.2 Mackar Inlet 6 4 11 0 26.9 25.7 Mould Bay 6 3 11 - 1 0.0 - 1.5 Nicholson Peninsula 5 - 1 15 - 2 2.0 - 1.0 Norman Wells 13 - 2 20 5 84.7 75.4 Pelly Bay 6 3 12 - 1 23.8 20.7 Pond Inlet 5 X 11 - 1 33.0 X Port Burwell M X 18P 3P M X	Hay River 15 2 24 7 4.5 - 2.9 Inuvik 10 - 2 24 3 6.6 0.6 Jenny Lind Island 5 2 11 - 1 0.0 - 0.5 Lady Franklin Point 6 2 12 1 1.0 - 0.6 Longstaff Bluff 4 1 11 - 2 0.9 - 2.2 Mackar Inlet 6 4 11 0 26.9 25.7 Mould Bay 6 3 11 - 1 0.0 - 1.5 Nicholson Peninsula 5 - 1 15 - 2 2.0 - 1.0 Norman Wells 13 - 2 20 5 84.7 75.4 Pelly Bay 6 3 12 - 1 23.8 20.7 Pond Inlet 5 X 11 - 1 33.0 X Port Burwell M X 18P 3P M X			Mark The Control				
Inuvik       10 - 2   24   3   6.6   0.6         Jenny Lind Island       5   2   11   - 1   0.0   - 0.5         Lady Franklin Point       6   2   12   1   1.0   - 0.6         Longstaff Bluff       4   1   11   - 2   0.9   - 2.2         Mackar Inlet       6   4   11   0   26.9   25.7         Mould Bay       6   3   11   - 1   0.0   - 1.5         Nicholson Peninsula       5   - 1   15   - 2   2.0   - 1.0         Norman Wells       13   - 2   20   5   84.7   75.4         Pelly Bay       6   3   12   - 1   23.8   20.7         Pond Inlet       5   X   11   - 1   33.0   X         Port Burwell       M   X   18P   3P   M   X	Inuvik       10 - 2   24   3   6.6   0.6         Jenny Lind Island       5   2   11   - 1   0.0   - 0.5         Lady Franklin Point       6   2   12   1   1.0   - 0.6         Longstaff Bluff       4   1   11   - 2   0.9   - 2.2         Mackar Inlet       6   4   11   0   26.9   25.7         Mould Bay       6   3   11   - 1   0.0   - 1.5         Nicholson Peninsula       5   - 1   15   - 2   2.0   - 1.0         Norman Wells       13   - 2   20   5   84.7   75.4         Pelly Bay       6   3   12   - 1   23.8   20.7         Pond Inlet       5   X   11   - 1   33.0   X         Port Burwell       M   X   18P   3P   M   X			19/			C. C	
Lady Franklin Point     6     2     12     1     1.0     - 0.6       Longstaff Bluff     4     1     11     - 2     0.9     - 2.2       Mackar Inlet     6     4     11     0     26.9     25.7       Mould Bay     6     3     11     - 1     0.0     - 1.5       Nicholson Peninsula     5     - 1     15     - 2     2.0     - 1.0       Norman Wells     13     - 2     20     5     84.7     75.4       Pelly Bay     6     3     12     - 1     23.8     20.7       Pond Inlet     5     X     11     - 1     33.0     X       Port Burwell     M     X     18P     3P     M     X	Lady Franklin Point     6     2     12     1     1.0     - 0.6       Longstaff Bluff     4     1     11     - 2     0.9     - 2.2       Mackar Inlet     6     4     11     0     26.9     25.7       Mould Bay     6     3     11     - 1     0.0     - 1.5       Nicholson Peninsula     5     - 1     15     - 2     2.0     - 1.0       Norman Wells     13     - 2     20     5     84.7     75.4       Pelly Bay     6     3     12     - 1     23.8     20.7       Pond Inlet     5     X     11     - 1     33.0     X       Port Burwell     M     X     18P     3P     M     X	Inuvik	10	- 2	24	3	6.6	0.6
Longstaff Bluff 4 1 11 - 2 0.9 - 2.2  Mackar Inlet 6 4 11 0 26.9 25.7  Mould Bay 6 3 11 - 1 0.0 - 1.5  Norman Wells 13 - 2 20 5 84.7 75.4  Pelly Bay 6 3 12 - 1 23.8 20.7  Pond Inlet 5 X 11 - 1 33.0 X  Port Burwell M X 18P 3P M X	Longstaff Bluff 4 1 11 - 2 0.9 - 2.2 Mackar Inlet 6 4 11 0 26.9 25.7 Mould Bay 6 3 11 - 1 0.0 - 1.5 Nicholson Peninsula 5 - 1 15 - 2 2.0 - 1.0 Norman Wells 13 - 2 20 5 84.7 75.4 Pelly Bay 6 3 12 - 1 23.8 20.7 Pond Inlet 5 X 11 - 1 33.0 X Port Burwell M X 18P 3P M X							
Mackar Inlet       6       4       11       0       26.9       25.7         Mould Bay       6       3       11       -1       0.0       -1.5         Nicholson Peninsula       5       -1       15       -2       2.0       -1.0         Norman Wells       13       -2       20       5       84.7       75.4         Pelly Bay       6       3       12       -1       23.8       20.7         Pond Inlet       5       X       11       -1       33.0       X         Port Burwell       M       X       18P       3P       M       X	Mackar Inlet       6       4       11       0       26.9       25.7         Mould Bay       6       3       11       -1       0.0       -1.5         Nicholson Peninsula       5       -1       15       -2       2.0       -1.0         Norman Wells       13       -2       20       5       84.7       75.4         Pelly Bay       6       3       12       -1       23.8       20.7         Pond Inlet       5       X       11       -1       33.0       X         Port Burwell       M       X       18P       3P       M       X		III (13		20 A CO			(A) (A) Wester (4)
Nicholson Peninsula         5 - 1         15 - 2         2.0 - 1.0           Norman Wells         13 - 2         20 5         84.7         75.4           Pelly Bay         6 3 12 - 1         23.8         20.7           Pond Inlet         5 X 11 - 1         33.0         X           Port Burwell         M X 18P 3P M         X	Nicholson Peninsula         5 - 1         15 - 2         2.0 - 1.0           Norman Wells         13 - 2         20 5         84.7         75.4           Pelly Bay         6 3 12 - 1         23.8         20.7           Pond Inlet         5 X 11 - 1         33.0         X           Port Burwell         M X 18P 3P M         X	Mackar Inlet	6	4	11	0	26.9	25.7
Norman Wells     13 - 2 20 5 84.7 75.4       Pelly Bay     6 3 12 - 1 23.8 20.7       Pond Inlet     5 X 11 - 1 33.0 X       Port Burwell     M X 18P 3P M X	Norman Wells     13 - 2 20 5 84.7 75.4       Pelly Bay     6 3 12 - 1 23.8 20.7       Pond Inlet     5 X 11 - 1 33.0 X       Port Burwell     M X 18P 3P M X			1000	7			
Pelly Bay       6       3       12       -1       23.8       20.7         Pond Inlet       5       X       11       -1       33.0       X         Port Burwell       M       X       18P       3P       M       X	Pelly Bay       6       3       12       -       1       23.8       20.7         Pond Inlet       5       X       11       -       1       33.0       X         Port Burwell       M       X       18P       3P       M       X		1			Commence of the last of the la		75.4
Port Burwell M X 18P 3P M X	Port Burwell M X 18P 3P M X						23.8	20.7
		Norman Wells Pelly Bay		Fig. 1966	The second	2595111		18290
		Norman Wells Pelly Bay Pond Inlet	5	X				

TUN DATA FOR THE	Temperature (°C)			°C1	Precip. (mm)		
Station	Average	Departure from Normal	Extreme	Extreme Minimum	Total	Departure from Normal	
Sachs Harbour Shepherd Bay Tuktoyaktuk Yellowknife	6 6 7 15	1 3 0 1	13 14 19 21	1 - 1 0 9	0.2 8.8 2.2 3.9	- 2.2 6.9 - 1.4 0.0	
ALBERTA Banff Calgary Cold Lake Coronation Edmonton Intl Edmonton Mun Edmonton Namao Edson Fort Chipewyan Fort McMurray Grande Prairie High Level Jasper Lethbridge Medicine Hat Peace River Red Deer Rocky Mountain House Slave Lake Vermilion Whitecourt	M 14 16 14 16 15 13 M 16 14 15 13 16 16 14 12 12 14 16 14	0 0 0 - 1 0 0 2	25P 27 26 27 26 27 26 25 M 27 23 26 25 29 31 24 26 25 27 26 27 27 23 26 27 27 27 28 27 27 28 27 27 28 27 27 27 28 27 27 27 27 27 27 27 27 27 27 27 27 27	0 4 6 4 3 8 6 1 5 6 3 5 2 6 6 5 3 2 6 6 4	M 25.6 3.8 13.2 1.6 0.4 2.9 3.5 M 2.7 1.4 37.1 1.4 8.0 7.4 2.4 19.6 10.9 0.2 0.0 5.0	-16.8 - 3.4 -12.1 -42.3	
SASKATCHEWAN Broadview Buffalo Narrows Cree Lake Estevan Hudson Bay Kindersley La Ronge Meadow Lake Moose Jaw Nipawin North Battleford Prince Albert Regina Rockglen Saskatoon Swift Current Uranium City Wynyard Yorkton	166 17 155 18 17 166 177 166 177 17 17 17 17 15 144 177	2 x 0 2 0 0 1 X 0 0 X 1 2 1 X 1 0 0 - 1 1 1 1	25 23 28 27 33 26 26 32 29 29 31 30 29P 31 30 23 28	6 9 6 7 5 7 8 6 9 9 7 8 6 6 8 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8	1.8 15.4 4.8 15.9 15.0 3.4 7.8 11.9 19.2 8.0 1.1 6.0 M 21.0 2.4 24.1	X -13.1 - 7.2 - 6.6 -29.3 X - 3.7 X - 9.4 -15.9 -17.3 X 0.0 -23.4 10.4 -19.7	
MANITOBA Bissett Brandon Churchill Dauphin Gillam Gimli Island Lake Lynn Lake Norway House Pilot Mound Portage la Prairie The Pas Thompson Winnipeg	17 17 14 17 16 17 15 16 17 17 17	0 6 6 0 XX 0 0 XX 0 0 XX 0 XX 0 XX 1 XX 0 XX 1	29 26 27 27 27 25 26 24 28 29P 27 28	7 7 4 7 8 7 100 5 7 10 10 6 2 10	20.3 8.2 5.8 4.2 16.6 27.3 5.6 8.7 16.6 5.5 M 16.8 1.6 27.5	-14.1 - 4.2 -20.1 X 0.0 X -10.5 X -15.9 M - 3.9 -21.8	
ONTARIO Armstrong Atikokan Earlton Geraldton Gore Bay Kapuskasing Kenora Kingston Lansdowne London Moosonee Mount Forest Muskoka North Bay Ottawa Petawawa Pickle Lake Red Lake	12 15 14 12 16 13 17 17 16 18 11 M 16 15 18 16 15	- 1 - 3 - 4 - 1 - 3 - 1 - 2 0 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3	23 26 24 22 25 23 24 26 29 27 29 29 23 27 27 27 26	1 3 4 0 8 1 10 12 6 8 - 2 4P 5 6 11 6 3 3	30.0 31.8 M 35.6 10.6 18.4 114.4 4.8 4.9 0.0 17.5 1.2 9.3 31.5 1.7 14.6 8.6 40.3	15.5 M	

	Temperature (°C)				Precip. (mm)		
Station	Average	from Normal	Extreme	Extreme	Total	Departure from Normal	
Simcoe Sioux Lookout Sudbury Thunder Bay Timmins Toronto Trenton Trout Lake Wawa Wiarton Windsor	14 - 14   17   17   16   11   16	- 2 - 1 - 3	29r 23 25 25 25 31 28 24 22 28 32	9 6 6 5 1 9 8 7 1 8	M 65.0 54.7 47.1 29.4 0.2 4.5 13.6 52.4 41.8 0.4	38.8 26.3 26.4 4.6 -14.3 -11.1 - 5.7 X 21.2 -13.5	
QUEBEC Bagotville Baie Comeau Blanc Sablon Border Chibougamau Fort Chimo Gaspé Grindstone Island Inoucdjouac Koartak La Grande Rivière Maniwaki Matagami Mont-Joli Montréal Natashquan		- 3 - 2 1 M X 1 X 0 - 4 X X - 2 X 2 - 3 0	28 24 17 M 24 23 25 21 9 13P 23 26 26 23 27 18	6 4 4 0 5 1 3 9 - 1 - 1 1 6 3 7 10 5	34.0 60.7 36.2 M 12.4 17.2 19.1 31.0 4.8 1.0 28.1 12.1 8.3 49.2 9.6 82.4	6.0 41.3 11.4 M X 6.2 X 17.4 - 3.5 X X-10.1 X 32.2 -10.3 59.4	
Nitchecun Port Menier Poste-de-la-Baleine Québec Rivière du Loup Roberval Schefferville Sept-Iles Sherbrooke Ste Agathe des Monte Val d'Or  NEW BRUNSWICK Charlo	M 15 9 12 15	- 3 M - 3 - 1 - 1 - 2 - 2	21P 24 27 25P 26 21 22 28 24 25	6P - 1 8 7 5 2 6 5 8 3	9.4 29.0 M 32.8 27.7 48.8 20.4 32.6 20.8	3.2 M 13.5 8.2 32.0 - 2.0 3.8 - 4.1	
Chatham Fredericton Moncton Saint John NOVA SCOTIA	16 17 16 16	- 1	25 27 24	7 7 8 8	28.6	-20.4	
Eddy Point Greenwood Sable Island Shearwater Sydney Truro Yarmouth	15 17 14 16 15 15		26 19 23 23 24	10 6 11 9 9 5	34.3 7.0 20.4 35.2	- 2.9 13.5 - 4.4	
PRINCE EDWARD ISLAN Charlottetown Summerside	16	- 1 - 1		8 8	41.7	1	
NEWFOUNDLAND Argentia Battle Harbour Bonavista Burgeo Cartwright Churchill Falls Comfort Cove Daniel's Harbour Deer Lake Gander Goose Hopedale Port aux Basques St Albans St Anthony St John's St Lawrence Stephenville Wabush Lake	13 8 13 12 10 8 15 12 M 15 11 6 12 M 10 15 11 14	X 00 22 11 00 - 44 22 11 MM 11 - 22 - 21 11 MM X 32 21 - 11	14 24 18 22 22 23 23 26 23 26	8 2 7 6 3 1 6 6 6 7 7 7 5 2 8 5 3 9 7 7 7 3	45.0 26.6 27.9 49.2 5.6 13.2	-17.2 35.1 -13.2 8.4 25.7 -16.8 -11.1 0.9 -11.3 26.3 - 4.7 13.1 10.8 X - 8.2 - 2.9	