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August 15, 2012

Canada



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Notices:

A new set of [IDF curves](#) was produced on February 09, 2012 and posted on March 09, 2012. Please read the [Whats New EC IDF.pdf](#) file for a list of all of the changes.

OTTAWA MACDONALD-CARTIER INT'L A, HAMILTON A, DEER LAKE A, GANDER INT'L A, ST. JOHN'S A, SASKATOON DIEFENBAKER INT'L A, LONDON INT'L A, SAULT STE. MARIE A, EDMONTON INT'L A, YARMOUTH A, THUNDER BAY A, CHURCHILL A and SMITHERS A weather reporting stations have switched over to new NAV CANADA sensors and reporting tools. Due to some unanticipated data processing issues related to the new data flow, the display of daily data from these stations is not available on our website at present. However, hourly data is now being displayed for the new stations: [OTTAWA INT'L](#), [HAMILTON](#), [DEER LAKE](#), [GANDER INT'L](#), [ST. JOHN'S INT'L](#), [SASKATOON DIEFENBAKER INT'L](#), [LONDON](#), [SAULT STE MARIE](#), [EDMONTON](#), [YARMOUTH](#), [THUNDER BAY](#), [CHURCHILL](#) and [SMITHERS](#).

For more information, please [click here](#) and [expand the message](#). Thank you for your patience while we work to fix these current issues.

The [Notice Inventory](#) contains a record of all past and current Notices.

Questions

Links

Water Data

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Canadian Climate Normals 1971-2000

- + The minimum number of years used to calculate these Normals is indicated by a **code** for each element. A "+" beside an extreme date indicates that this date is the first occurrence of the extreme value. Values and dates in bold indicate all-time extremes for the location.

+ **NOTE!!** Data used in the calculation of these Normals may be subject to further quality assurance checks. This may result in minor changes to some values presented here.

Proactive Disclosure

[RANKIN INLET A](#)
NUNAVUT

Latitude: 62°49'00.000" N **Longitude:** 92°07'00.000" W **Elevation:** 32.30 m

Climate ID: 2303401

TC ID: YRT

Normals from to

[January-June](#) [January-December](#) [Year](#) [July-December](#)

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Temperature:	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year Code
Daily Average (°C)	-31.9	-30.1	-25.2	-16.3	-5.9	4.2	10.4	9.5	3.4	-5.3	-17.8	-26.7	-11 D
Standard Deviation	2.8	3.2	2.8	2.6	2.1	1.9	1.7	1.1	1.5	1.9	3.3	3.5	1.3 D
Daily Maximum (°C)	-28.3	-26.2	-20.9	-11.7	-2.4	7.9	14.9	13	5.8	-2.4	-13.9	-22.9	-7.3 D
Daily Minimum (°C)	-35.5	-33.9	-29.5	-20.8	-9.2	0.4	5.9	5.9	0.9	-8.2	-21.6	-30.4	-14.7 D
Extreme Maximum (°C)	23.4	-4.4	1.3	3.4	14.1	26.1	28.9	30.5	20.6	9.3	0.9	-2.4	
Date (YYYY/dd)	1997/05	1998/18	1999/26	1984/17	1984/29	1993/29	1996/31	1991/10	1996/18	1988/08	1983/04	1999/01	
Extreme Minimum (°C)	-46.1	-49.8	-43.4	-35.7	-23.8	-9.4	-1.9	-1.4	-9	-27.4	-36.5	-43.6	
Date (YYYY/dd)	1982/07	1990/15	1984/11	1984/06	1991/02	1992/02	1992/04	1986/31	1989/30	1986/31	1982/24	1996/30	
Precipitation:													
Rainfall (mm)	0	0.1	0	1	7.4	25	39.5	57.3	39.2	11.9	0.1	0	181.5 D
Snowfall (cm)	6.7	9.3	12.9	13.6	11.5	4.9	0	0.3	4.6	23.1	20.9	11.9	119.7 D
Precipitation (mm)	6.6	8.9	12.6	14.3	18.4	29.8	39.5	57.6	43.8	34.6	19.8	11.3	297.1 D

Average Snow Depth (cm)	27	30	36	38	20	1	0	0	0	0	3	14	23	16	D
Median Snow Depth (cm)	27	30	36	38	20	0	0	0	0	0	3	14	23	16	D
Snow Depth at Month-end (cm)	28	34	38	33	5	0	0	0	0	0	8	20	25	16	C
Extreme Daily Rainfall (mm)	0	1	0	6.8	30.8	45.8	41.4	41.2	45	24.1	0.6	0.2			
Date (YYYY/dd)	1981/15	1998/17	1981/19	2000/24	1998/15	1999/23	1990/28	1984/14	1991/15	1982/29	1988/24	1991/30			
Extreme Daily Snowfall (cm)	6.4	17.4	12.2	14	13.6	21.5	2.4	2.6	10.4	18.2	23.6	8.6			
Date (YYYY/dd)	1992/03	1996/23	1991/24	1994/13	2001/07	1990/06	2001/03	1985/28	1982/11	1997/13	1985/06	1999/01			
Extreme Daily Precipitation (mm)	6.4	17.4	11.6	14	31.2	45.8	41.4	41.2	45	33	23.2	8.6			
Date (YYYY/dd)	1992/03	1996/23	1991/24	1994/13	1999/06	1999/23	1990/28	1984/14	1991/15	1997/13	1985/06	1999/01			
Extreme Snow Depth (cm)	50	64	73	86	68	20	1	0	4	22	57	59			
Date (YYYY/dd)	1991/17	1996/28	1996/22	1991/22	1993/02	1987/02	2001/03	1981/01	1985/25	1985/31	1985/30	1985/11			
Days with Maximum Temperature:															
<= 0 °C	31	28.3	30.9	29	19.9	1.4	0	0	1.6	20.1	29.8	31	222.8	D	
> 0 °C	0.05	0	0.06	1	11.2	28.6	31	31	28.4	11	0.25	0	142.5	D	
> 10 °C	0.05	0	0	0	0.10	10	25.8	22.2	4	0	0	0	62.1	D	
> 20 °C	0.05	0	0	0	0	0.65	5.4	2.2	0.10	0	0	0	8.3	D	
> 30 °C	0	0	0	0	0	0	0	0.05	0	0	0	0	0.05	D	
> 35 °C	0	0	0	0	0	0	0	0	0	0	0	0	0	D	
Days with Minimum Temperature:															
> 0 °C	0	0	0	0	0.50	17	30.5	30.7	18.8	2.6	0	0	100.1	D	
<= 2 °C	31	28.3	31	30	31	21.8	2.3	1.5	18.2	30.4	30	31	286.4	D	
<= 0 °C	31	28.3	31	30	30.5	13.1	0.47	0.26	11.2	28.4	30	31	265.1	D	
< -2 °C	31	28.3	31	29.8	27.1	4.7	0	0	5.3	25.5	29.8	31	243.4	D	
< -10 °C	31	28.3	30.5	27.1	12.7	0	0	0	0	10.9	26.9	30.8	198.1	D	
< -20 °C	30.5	27.2	27.8	17.2	1.7	0	0	0	0	1.3	18.8	27.7	152	D	
< - 30 °C	26.1	21.6	17.4	3	0	0	0	0	0	0	3.8	19.6	91.4	D	
Days with Rainfall:															
>= 0.2 mm	0	0.05	0	0.70	2.4	6.2	10.2	13.2	10.2	3.8	0.25	0.05	46.9	D	

>= 5 mm	0	0	0	0.05	0.40	1.4	2	3.3	2.6	0.85	0	0	10.4	D
>= 10 mm	0	0	0	0	0.15	0.50	1.1	1.6	1.3	0.30	0	0	4.9	D
>= 25 mm	0	0	0	0	0.05	0.15	0.35	0.40	0.10	0	0	0	1.1	D
Days With Snowfall:														
>= 0.2 cm	6.9	7.2	9.1	8	7.1	1.9	0.05	0.20	3.9	12.1	12	9.5	77.8	D
>= 5 cm	0.16	0.20	0.50	0.60	0.65	0.25	0	0	0.20	1.1	0.85	0.40	4.9	D
>= 10 cm	0	0.10	0.10	0.15	0.10	0.20	0	0	0.05	0.20	0.15	0	1.1	D
>= 25 cm	0	0	0	0	0	0	0	0	0	0	0	0	0	D
Days with Precipitation:														
>= 0.2 mm	6.8	7.1	9	8.4	8.8	7.4	10.2	13.2	12.8	14.3	11.9	9.5	119.1	D
>= 5 mm	0.16	0.20	0.50	0.70	1.1	1.6	2	3.3	2.8	2	0.80	0.40	15.3	D
>= 10 mm	0	0.10	0.10	0.15	0.20	0.65	1.1	1.6	1.4	0.50	0.10	0	5.8	D
>= 25 mm	0	0	0	0	0.10	0.15	0.35	0.40	0.10	0.10	0	0	1.2	D
Days with Snow Depth:														
>= 1 cm	31	28.3	31	30	29.8	7.8	0	0	0.45	18.1	30	31	237.3	D
>= 5 cm	31	28.3	31	29.8	24.7	1.9	0	0	0	8.2	27.9	31	213.7	D
>= 10 cm	29.4	28.1	31	29.2	21.7	0.60	0	0	0	3.7	19.5	29.5	192.6	D
>= 20 cm	23.7	22.8	28.7	26	14.3	0.10	0	0	0	0.05	4.8	16.1	136.4	D
Wind:														
Speed (km/h)	23.9	23.9	23.4	22.4	22.1	19.8	19.2	21.1	24.2	26.5	25.3	24	23	D
Most Frequent Direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	D
Maximum Hourly Speed (km/h)	102	93	93	93	102	74	74	93	83	93	93	100		
Date (YYYY/dd)	1999/06	2000/05	1986/06	1999/25	2002/21	1999/23	1990/29	1984/03	1992/26	1997/14	1982/25	1985/27		
Direction of Maximum Hourly Speed	NW	NW	NW	NW	NW	E	NW	NW	E	W	NW	NW	NW	
Maximum Gust Speed (km/h)	132	113	111	111	117	111	106	124	109	137	124	124		
Date (YYYY/dd)	1999/06	1999/02	1986/05	1999/25	1986/29	1999/23	1990/29	1984/03	1989/20	1997/14	1985/06	1985/27		
Direction of Maximum Gust	NW	NE	NW	NW	NW	E	NW	NW	W	W	N	NW	W	
Days with Winds >= 52 km/h	5.5	5.4	4.7	2.6	2.8	1.2	1.6	2.8	3.7	5.4	5	5.2	45.6	D
Days with Winds >= 63 km/h	2.3	1.8	1.7	0.7	0.5	0.5	0.5	1.2	1.5	2	1.9	1.8	16.2	D
Degree Days:														

Average Relative Humidity - 0600LST (%)	66.4	66.7	69.3	78	88.2	86.3	85.5	90.2	90.1	87.7	77.6	70	79.7	D
Average Relative Humidity - 1500LST (%)	66	67.1	71.3	78.9	82.7	72.5	65.8	70.6	77.6	84.3	77.9	69.9	73.7	D
Pressure:														
Average Station Pressure (kPa)	100.8	101.1	101.4	101.5	101.3	101	100.7	100.6	100.7	100.8	100.9	100.8	101	D
Average Sea Level Pressure (kPa)	101.3	101.5	101.8	101.9	101.7	101.4	101.1	101	101.1	101.2	101.3	101.2	101.4	D
Visibility (hours with):														
< 1 km	91.9	90.7	75.3	32.8	29.7	23.3	27.1	22.8	20.8	32.2	55.9	80.8	583.2	D
1 to 9 km	160.6	143.6	155.4	109.4	89	44.8	32	57.8	69.9	130	156	180.3	1328.8	D
> 9 km	491.4	443.8	513.3	577.8	625.3	651.9	684.9	663.4	629.4	581.8	508.1	482.9	6854	D
Cloud Amount (hours with):														
0 to 2 tenths	341.8	297.1	308.6	270.2	123.9	127.2	131	107.4	74.9	113.2	228.9	308.6	2432.8	D
3 to 7 tenths	177.9	159.4	163.4	125.6	118.6	174.2	230.5	185.6	110.6	98.9	128	163.4	1836	D
8 to 10 tenths	224.4	221.5	272.1	324.2	501.5	418.6	382.5	451	534.5	531.9	363.1	272	4497.3	D

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Date Modified: 2012-03-14

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2. **What are the three components of the business plan?** **Answer:** The three components of the business plan are the executive summary, the business description, and the financial plan.

[illegible]

10. The figure shows a rectangular prism with a square base. The length of the base is 4 units, and the height of the prism is 6 units. What is the surface area of the prism?

A. 48 square units
B. 64 square units
C. 80 square units
D. 96 square units

1. *What is the purpose of the study?*
 2. *What are the research questions?*
 3. *What are the hypotheses?*
 4. *What are the variables?*
 5. *What are the methods?*
 6. *What are the results?*
 7. *What are the conclusions?*
 8. *What are the implications?*
 9. *What are the limitations?*
 10. *What are the future directions?*



Figure 1 shows a 2D Cartesian coordinate system. The horizontal axis is labeled 'x' and the vertical axis is labeled 'y'. A point is located in the first quadrant, with its coordinates labeled as (x, y). A vector, represented by an arrow, originates from the origin (0,0) and points to the point (x, y). This vector is labeled with the symbol $\vec{r}$.

Figure 1: A 3x3 grid of photographs showing the progression of a patient's skin condition. The top row shows the patient's face and neck with various lesions. The middle row shows close-ups of the lesions. The bottom row shows the patient's torso and arms with lesions. The grid is labeled with numbers 1 through 9.

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