



SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

SASKATOON STATION 4057180

52°09' N 106°36' W 497 m asl Estab. 1963

Preliminary

MARCH**2025**

Day	Temperature						Degree-days			Precipitation			Relative Humidity		Station Pressure (sea level)	
	Max	Normal Max	Min	Normal Min	Mean	Normal Mean	Growing	Heating	Cooling	Geonor all-season ppt Gauge	Notes	Snow-on-Ground 0900h	Max ½ hr Avg	Min ½ hr Avg	Max ½ hr Avg	Min ½ hr Avg
	°C	1991-2020	°C	1991-2020	°C	1991-2020	5°C base	18°C base	18°C base	mm		cm	%	%	mbar	mbar
1	3.3	-6.1	-9.0	-16.6	-2.9	-11.4	0.0	20.9	0.0	0.0		7	93	71	1019	1010
2	8.2	-6.0	-6.6	-16.8	0.8	-11.4	0.0	17.2	0.0	0.0		6	91	57	1009	1007
3	1.0	-5.6	-6.6	-15.8	-2.8	-10.7	0.0	20.8	0.0	0.0		6	93	73	1017	1008
4	1.2	-5.5	-10.3	-14.9	-4.6	-10.3	0.0	22.6	0.0	0.0		6	89	64	1020	1015
5	0.5	-6.0	-10.1	-14.8	-4.8	-10.4	0.0	22.8	0.0	0.0		6	88	72	1015	1010
6	1.4	-6.1	-11.1	-15.8	-4.9	-11.0	0.0	22.9	0.0	0.0		6	88	62	1013	1006
7	3.3	-5.2	-8.0	-15.8	-2.4	-10.5	0.0	20.4	0.0	0.0		5	92	65	1007	1006
8	5.8	-4.9	-1.5	-15.1	2.2	-10.0	0.0	15.8	0.0	0.0		3	82	58	1008	1006
9	1.9	-2.9	-6.6	-12.6	-2.4	-7.8	0.0	20.4	0.0	0.0		-	86	72	1007	1002
10	-6.5	-1.0	-13.8	-11.7	-10.2	-6.4	0.0	28.2	0.0	0.4	light snow	1	85	66	1012	1002
11	-3.4	-0.6	-10.2	-11.2	-6.8	-5.9	0.0	24.8	0.0	0.0		0	93	75	1010	1003
12	-0.5	-0.3	-6.0	-9.8	-3.3	-5.1	0.0	21.3	0.0	0.0		-	94	77	1008	1003
13	-5.3	0.5	-7.7	-8.9	-6.5	-4.3	0.0	24.5	0.0	0.0		-	92	77	1007	994
14	-6.7	0.1	-12.9	-10.6	-9.8	-5.3	0.0	27.8	0.0	0.0		0	92	65	1005	994
15	-7.5	0.4	-13.7	-9.6	-10.6	-4.6	0.0	28.6	0.0	0.0		0	78	57	1010	1006
16	-7.1	-0.1	-13.7	-9.4	-10.4	-4.8	0.0	28.4	0.0	0.0		-	77	59	1009	1007
17	-3.0	0.6	-16.1	-8.6	-9.6	-4.0	0.0	27.6	0.0	0.4	light snow	-	87	59	1010	1007
18	-1.5	1.5	-11.2	-8.5	-6.4	-3.5	0.0	24.4	0.0	0.1	very light snow	-	88	62	1019	1010
19	2.8	1.5	-6.1	-7.8	-1.7	-3.2	0.0	19.7	0.0	0.0		0	82	55	1019	1010
20	2.9	1.9	-8.6	-7.9	-2.9	-3.0	0.0	20.9	0.0	0.0		0	90	63	1009	1003
21	-4.8	1.5	-12.3	-7.0	-8.6	-2.8	0.0	26.6	0.0	0.0		0	74	56	1011	1004
22	-5.6	2.9	-10.1	-6.5	-7.9	-1.9	0.0	25.9	0.0	4.0	snow	1	90	69	1010	1002
23	5.6	2.0	-10.8	-7.5	-2.6	-2.8	0.0	20.6	0.0	0.0		4	90	51	1011	1007
24	7.0	1.0	-9.4	-7.6	-1.2	-3.3	0.0	19.2	0.0	0.0		1	88	46	1014	1007
25	7.4	2.3	-2.7	-8.4	2.4	-3.1	0.0	15.6	0.0	0.0		0	86	52	1020	1014
26	3.9	3.7	-1.9	-6.5	1.0	-1.4	0.0	17.0	0.0	0.0		0	82	62	1020	1018
27	-0.9	3.8	-5.5	-5.4	-3.2	-0.8	0.0	21.2	0.0	4.3	snow	0	93	65	1019	1011
28	-5.4	4.8	-9.1	-5.5	-7.3	-0.3	0.0	25.3	0.0	2.1	snow	8	92	75	1020	1013
29	-6.1	5.5	-9.8	-4.8	-8.0	0.4	0.0	26.0	0.0	0.5	snow	8	81	67	1023	1021
30	-2.7	5.8	-16.5	-4.4	-9.6	0.7	0.0	27.6	0.0	0.0		8	88	50	1023	1020
31	-4.3	5.9	-15.4	-5.4	-9.9	0.2	0.0	27.9	0.0	0.0		7	86	74	1020	1008
Total							0.0	712.9	0.0	11.8			Extreme / Date	Extreme / Date	Extreme / Date	Extreme / Date
Avg	-0.5	-0.1	-9.5	-10.0	-5.0	-5.1	1991-2020 Normal			11.2	1991-2020 Normal					
Extreme	8.2		-16.5				3.5	716.3	0.0	29.3	Year to date Cumulative		94	46	1023	994
Date	2		30							33.5	Year to date Cumulative Normal		12	24	29	13
Note: Red numbers indicate manual calculation; Red cell indicate data not available										It has not been corrected for wind speed.						

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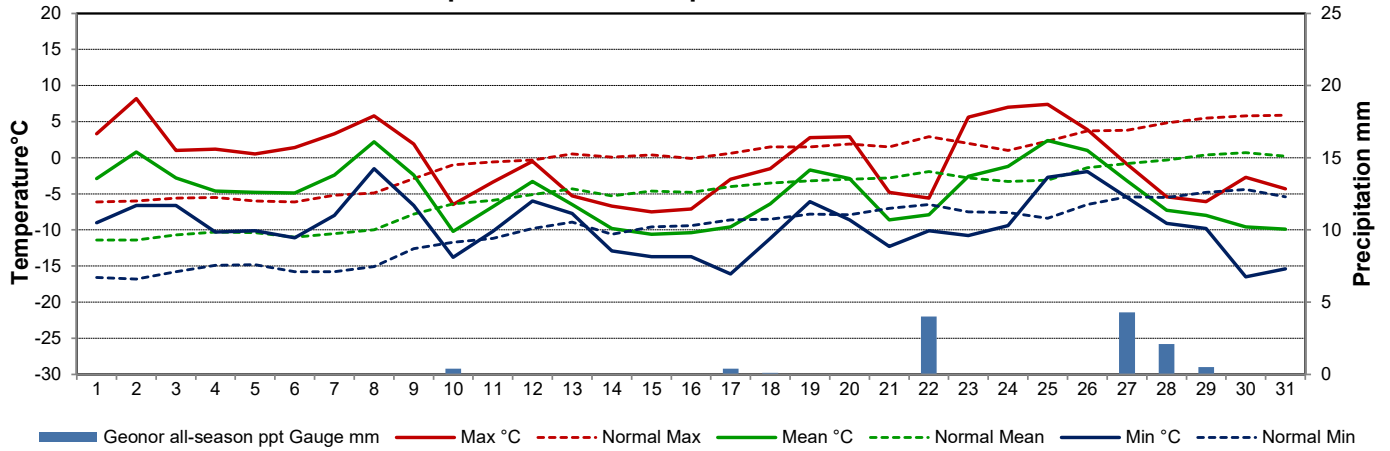
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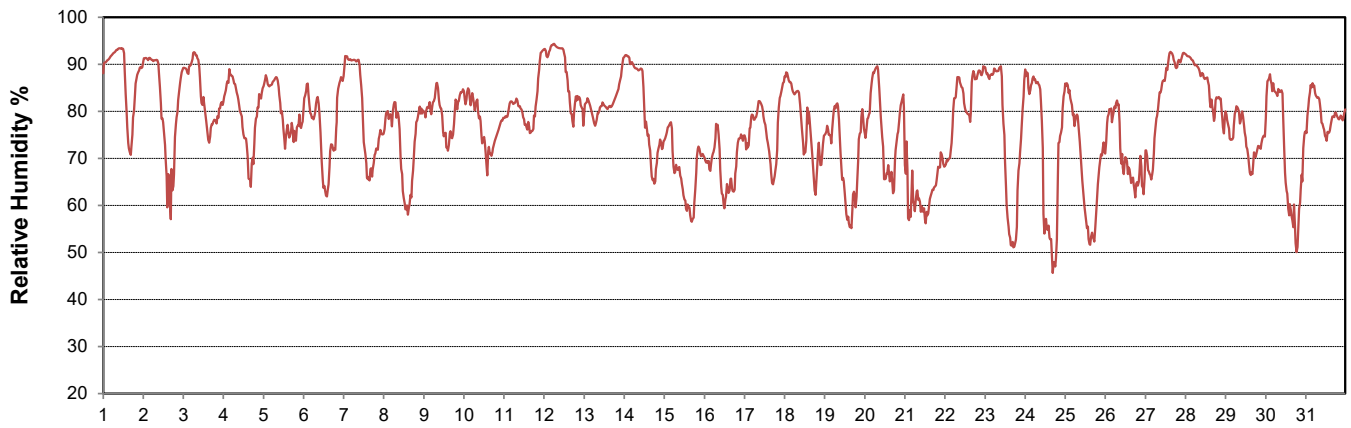
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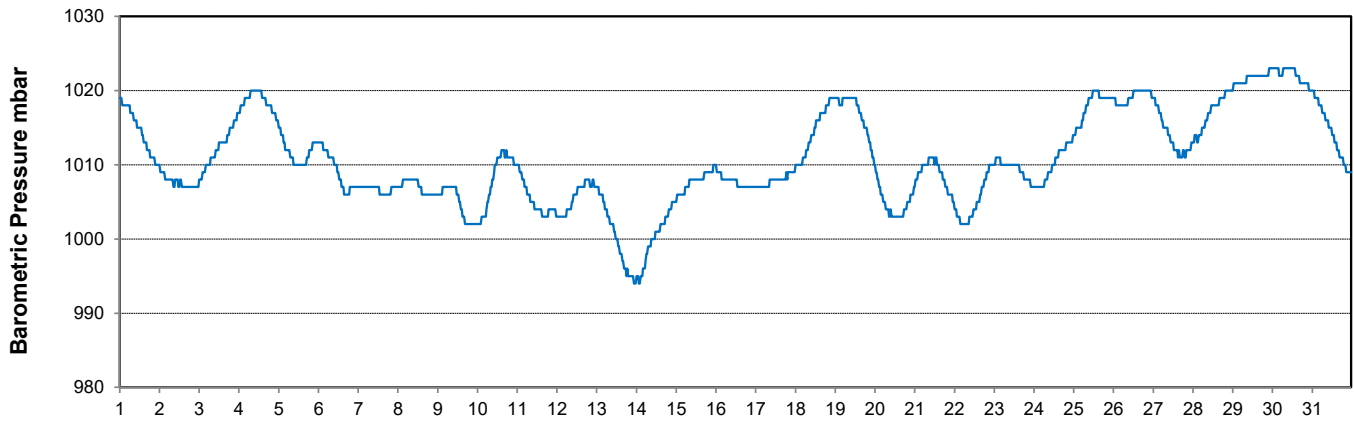
Temperature and Precipitation for March 2025



Relative Humidity for March 2025



Barometric Pressure Corrected to Sea Level for March 2025





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SASKATOON STATION 4057180

52°09' N 106°36' W 497 m asl Estab. 1963

Preliminary MARCH 2025

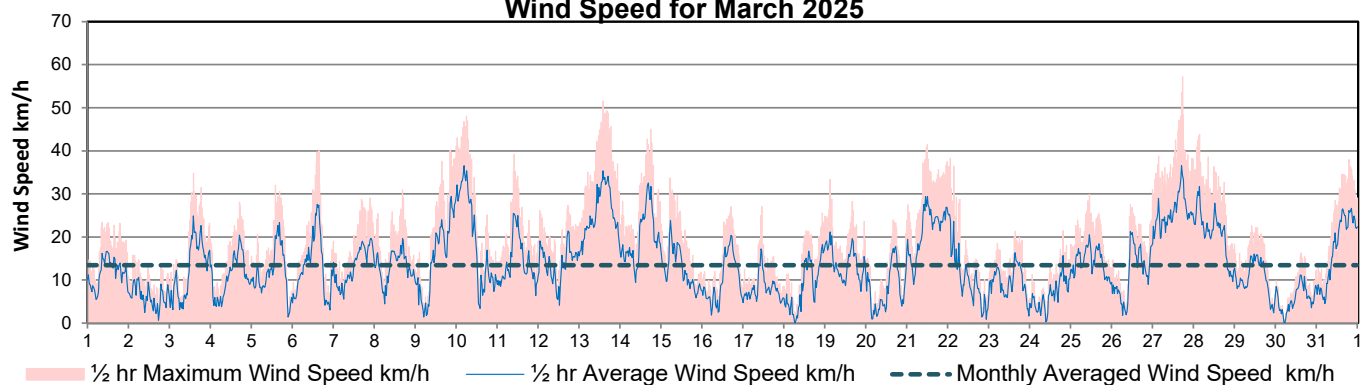
Day	Wind Gust			Wind Speed (10 meters)	Soil Temperatures at 0900hrs								Radiation				
	Max	Direction	Time	Daily Average	Surface	5 cm	10 cm	20 cm	50 cm	100 cm	150 cm	300 cm	Bright Sunshine	Possible	% Possible	Global	Diffuse
	km/h			km/h	°C	°C	°C	°C	°C	°C	°C	°C	hours	hours		MJ/m ²	MJ/m ²
1	23.4	S	8:23	11.6	-4.5	-1.0	-1.0	-2.0	-0.5	1.5	3.0	5.0	5.8	10.9	53.1	8.7	4.4
2	15.8	SSE	2:13	6.1	-7.0	-0.5	-0.5	-1.5	0.0	2.0	3.0	5.0	10.3	11.0	93.7	12.1	2.3
3	34.7	N	13:45	12.5	-7.0	-0.5	-0.5	-1.5	0.0	2.0	3.0	5.0	4.8	11.1	43.4	8.4	5.4
4	28.0	W	16:59	10.7	-5.0	-0.5	-0.5	-1.5	0.5	2.0	3.0	5.0	6.2	11.1	55.7	9.3	6.1
5	32.0	WNW	13:42	11.6	-10.5	-0.5	-0.5	-1.5	0.5	2.0	3.0	5.0	8.7	11.2	77.7	12.8	4.5
6	40.0	WSW	15:04	13.2	-10.5	-0.5	-0.5	-1.0	0.5	2.0	3.0	5.0	7.8	11.3	69.3	11.4	6.6
7	29.0	W	21:12	13.2	-6.5	-0.5	-0.5	-0.5	0.5	2.0	3.0	5.0	6.2	11.3	54.7	8.9	4.4
8	31.0	SW	16:28	13.0	-1.5	-0.5	-0.5	-0.5	0.5	2.0	3.0	5.0	10.0	11.4	87.7	11.6	4.7
9	41.1	NE	23:57	15.4	-1.5	-0.5	0.0	-1.0	1.0	2.0	3.0	5.0	6.9	11.5	60.2	10.9	5.5
10	48.1	NE	5:31	19.1	-13.5	-0.5	0.0	-0.5	1.0	2.0	3.0	5.0	0.1	11.5	0.9	8.0	7.9
11	39.1	SE	9:50	14.2	-8.5	-0.5	0.0	-1.0	1.0	2.0	3.0	5.0	7.4	11.6	63.8	11.3	7.1
12	27.3	NNE	13:44	13.8	-4.5	-0.5	0.0	-0.5	1.0	2.0	3.0	5.0	0.1	11.7	0.9	6.4	6.1
13	51.5	E	17:15	25.4	-7.5	-0.5	0.0	-0.5	1.0	2.5	3.0	5.0	0.0	11.7	0.0	4.7	4.6
14	45.0	WNW	17:58	19.9	-10.0	-0.5	0.0	-0.5	1.0	2.5	3.0	5.0	4.0	11.8	33.9	9.2	6.9
15	33.7	WNW	4:55	12.5	-12.0	-0.5	0.0	-0.5	1.0	2.5	3.0	5.0	8.8	11.9	74.1	12.9	3.3
16	27.0	ESE	16:57	10.0	-12.5	-1.0	-0.5	0.0	1.0	2.5	3.0	5.0	11.1	11.9	93.0	13.1	4.3
17	27.0	SE	10:34	8.1	-10.0	-1.0	-0.5	-0.5	1.0	2.5	3.0	4.5	6.1	12.0	50.8	10.9	8.2
18	25.5	SW	22:24	8.7	-5.5	-1.0	-0.5	-1.0	1.0	2.5	3.0	4.5	4.5	12.1	37.3	9.1	6.3
19	33.3	WSW	2:40	13.8	-5.0	-1.0	-0.5	-1.0	1.0	2.5	3.0	4.5	11.3	12.1	93.1	14.2	2.8
20	23.9	NE	16:00	7.9	-4.0	-1.0	-0.5	-1.0	1.0	2.5	3.0	4.5	3.0	12.2	24.6	10.4	8.5
21	41.4	SE	11:36	21.5	-11.0	-0.5	-0.5	-1.0	1.0	2.5	3.0	4.5	11.3	12.3	92.0	14.7	3.5
22	38.2	ESE	1:12	10.4	-8.0	-1.0	-0.5	-1.0	1.0	2.5	3.0	4.5	0.7	12.4	5.7	5.4	4.8
23	21.2	SW	15:23	9.6	-9.0	-1.0	-0.5	-1.0	1.0	2.5	3.0	4.5	11.8	12.4	95.0	15.9	2.7
24	21.4	WSW	19:16	6.6	-7.5	-1.0	-0.5	-1.0	1.0	2.5	3.0	4.5	5.0	12.5	40.1	11.2	8.7
25	29.8	WNW	10:52	14.3	-1.0	-0.5	-0.5	-0.5	1.0	2.5	3.0	4.5	11.5	12.6	91.6	16.4	3.7
26	31.0	ESE	23:59	11.5	0.5	0.0	0.0	-0.5	1.0	2.5	3.0	4.5	10.0	12.6	79.2	16.3	2.8
27	57.2	E	17:05	25.9	-2.0	0.0	0.0	0.0	1.0	2.5	3.0	4.5	0.0	12.7	0.0	3.5	3.3
28	43.8	ENE	3:10	20.7	-7.5	0.0	0.0	-0.5	1.0	2.5	3.0	4.5	0.0	12.8	0.0	7.2	7.0
29	22.5	ESE	9:41	10.4	-7.0	0.0	0.0	-0.5	1.0	2.5	3.0	4.5	1.8	12.8	14.0	11.5	10.2
30	16.2	WSW	14:44	5.7	-15.0	0.0	0.0	0.0	1.0	2.5	3.0	4.5	12.1	12.9	93.9	17.6	4.5
31	37.9	SE	18:53	17.4	-11.5	0.0	0.0	0.0	1.0	2.5	3.0	4.5	6.1	13.0	47.1	17.0	8.2
Total													193.4	370.2	52.2	341.0	169.3
Mean				13.4	-7.3	-0.5	-0.3	-0.8	0.8	2.3	3.0	4.8	1991-2020 Normal				
Extreme	57.2	E	17:05		1971- 2000 Normal for Soil Temperatures								204.0	369.6	55.2	378.7	156.3
Date	27					-3.1	-2.8	-2.4	-1.5	-0.4	0.6	2.7	No. of Bright Sunshine days = 28				

Note: Red numbers indicate manual calculation; Red cell indicate data not available

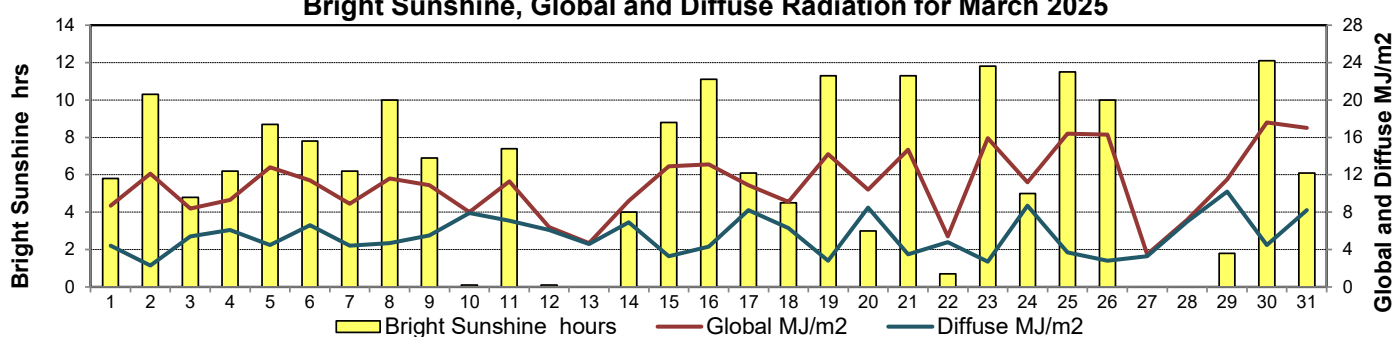
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Wind Speed for March 2025

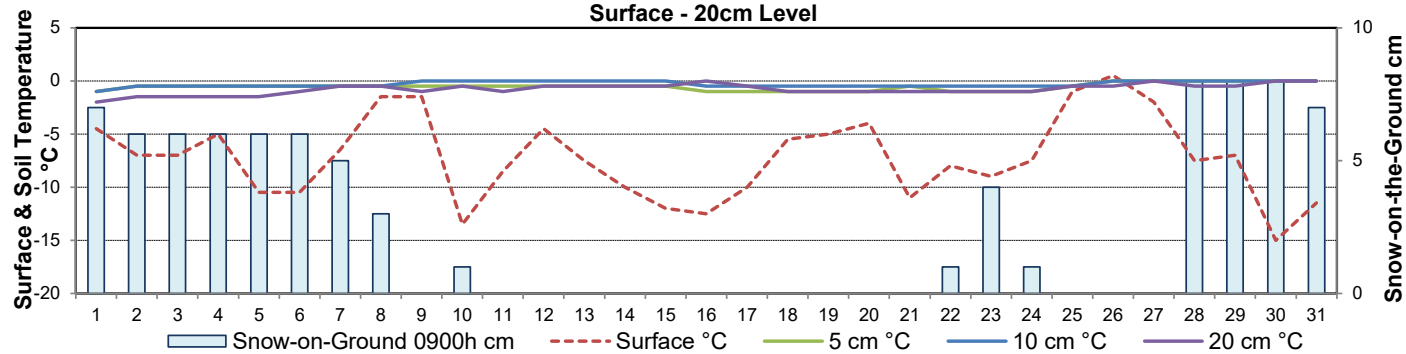


Bright Sunshine, Global and Diffuse Radiation for March 2025



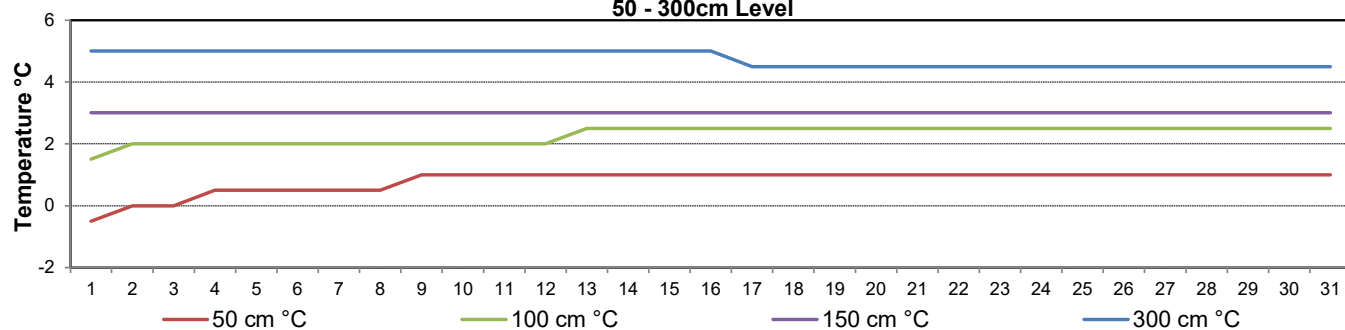
Soil Temperatures for March 2025

Surface - 20cm Level



Soil Temperatures for March 2025

50 - 300cm Level





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Preliminary **MARCH** **2025**

Extreme Records for March

Max/Min Temperature °C				Precipitation - Monthly mm				Wind Monthly km/h				CRS Bright Sunshine - Monthly			
S'toon Area	Date	Site	S'toon CRS Date	S'toon Area	Date	Site	S'toon CRS Date	S'toon Airport	Date	S'toon CRS**	Date	Hours	Year	No. of Days	Year
22.8	23/1910	SE	20.0 23/1993	59.0	1927	SE	57.1 1967	93 ^W	18/1959	89 ^W	08/1977	273.9	2019	31	1996/83/ 2010/19/23
-43.3	14/1897	SM	-38.9 02/1972	0.0	1915*	SE*	0.8 2010					102.8	1983	21	1983/87
**1975 forward * more than one															

Notable Events for CRS Saskatoon - March						Saskatoon Area Stations			Glossary	
Element	Type	Day	New Record	Old Record	Year				T	Trace of precipitation
Temperature	Highest Maximum Daily	2	8.2	6.5	1986	SM	NWMP	c. 1892-1901	Normal	30 year average beginning with the decade
						SE	Eby	1901-1941	SOG	Depth of snow-on-the-ground in cm
						US	Univ. of Sask.	1915-1964	na	not available
						S	Saskatoon	1941-1942	Degree-days	
						SA	Saskatoon A	1942 -	Tm	Mean Temperature
						NRC	Nat. Res. Council	1952-1966	Growing	(Tm-5°C); if Tm ≤ 5°C then GDD = 0
						SRC	Sask. Res. Council	1963-	Heating	(18°C-Tm); if Tm ≤ 18°C then HDD = 0
						SWT	S'toon Water Treatment Plant	1974 -	Cooling	(Tm-18°C); if Tm ≥ 18°C then CDD = 0
						SC	S'toon Central Ave	1974-1989	Extreme Cooling	(Tm-24°C); if Tm ≥ 24°C then CDD = 0
						S1	Saskatoon 1	1976-1978	March 3 discontinuous snow cover at CRS S'toon	
						S2	Saskatoon 2	1977-1990		
						K	S'toon Kernen Farm	1993-2004		
						KCS	S'toon Kernen Farm CS	1996-		
						RCS	Environment Canada	2008-		
						SF	Sutherland Forestry	1943-1970		

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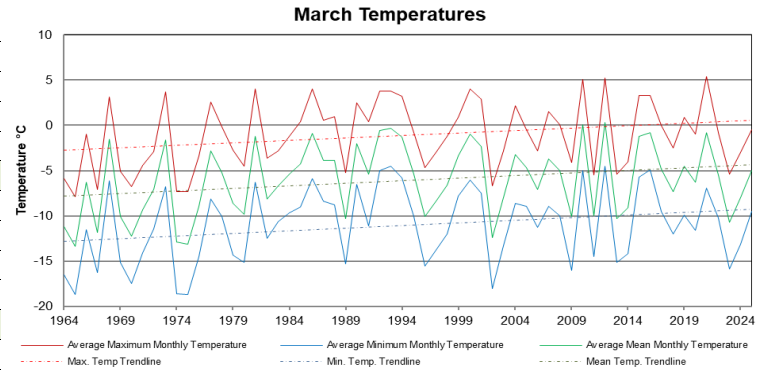
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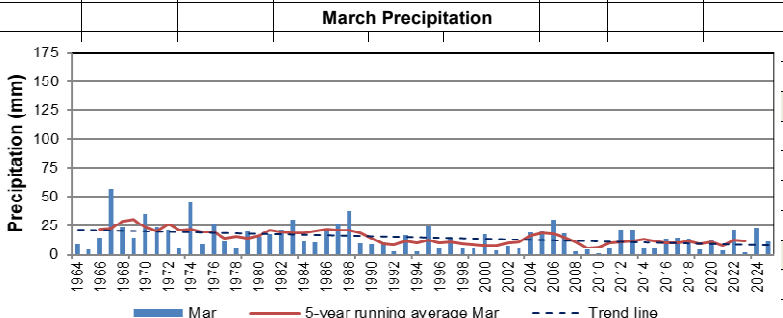
Day	2 meter Wind Speed			Soil Moisture at 0900 hrs (rounded to the 0.5%)		
	Daily Average	Max ½ hr Avg	½ hr Extreme Max	10 cm	20 cm	50 cm
	km/h	km/h	km/h	% by volume (soil type is Loam (45.5% Sand, 41.1% Silt, 13.3% Clay))		
1	9.0	15.8	21.8	7.0	1.5	8.5
2	5.0	8.5	12.6	7.5	1.5	8.5
3	9.0	18.7	27.5	8.0	3.5	12.0
4	9.0	16.4	23.5	8.0	3.5	14.5
5	9.0	18.1	26.4	7.0	3.5	22.5
6	11.0	23.3	34.4	6.5	3.0	24.0
7	10.0	15.2	22.9	6.5	2.5	23.0
8	10.0	15.9	24.1	7.5	2.0	21.0
9	12.0	23.1	32.7	22.5	2.0	22.5
10	15.0	28.2	39.1	21.0	2.0	22.0
11	10.0	20.3	30.4	11.5	1.5	21.5
12	11.0	16.5	24.1	12.0	1.5	21.5
13	20.0	27.5	41.9	11.0	1.5	21.5
14	16.0	25.6	37.9	9.5	1.5	21.0
15	10.0	18.6	29.3	8.5	1.5	21.0
16	8.0	17.1	23.5	8.5	1.5	21.0
17	7.0	13.3	24.7	8.5	1.5	20.5
18	7.0	14.7	22.9	8.5	1.5	20.0
19	11.0	17.3	31.6	9.0	1.5	17.5
20	6.0	14.0	20.0	10.0	1.5	15.5
21	17.0	24.1	37.9	10.0	1.5	15.5
22	9.0	20.8	31.0	9.0	1.5	15.5
23	8.0	13.8	18.9	9.0	1.5	14.5
24	5.0	11.5	17.2	10.5	1.5	14.0
25	11.0	15.8	23.5	11.5	1.5	14.0
26	9.0	15.6	25.2	11.5	1.5	14.0
27	20.0	27.7	44.2	11.5	1.5	14.5
28	17.0	26.2	40.2	12.0	1.5	14.5
29	9.0	13.8	21.2	12.5	2.0	15.5
30	5.0	10.4	15.4	12.5	2.0	15.0
31	14.0	0.0	32.0	12.5	2.0	15.5
Total						
Mean					1.9	17.5
Extreme	20.0	28.2	44.2	22.5	3.5	24
Date	13	10	27	9	3	6



Maximum temp was 35th coldest since 1964

Minimum temp was 39th coldest since 1964

Average temp was 37th coldest since 1964



29th driest or 35th wettest March since 1964

Note: Red numbers indicate manual calculation; Red cell indicate data not available

SRC proudly recognizes the following CRS supporters:



9 am Soil Moisture (3 depths) and Daily Precipitation for March 2025

