



SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

CONSERVATION LEARNING CENTRE

Saskatchewan 53.03°N 105.77°W 451m asl Estab. 2011

Preliminary **March 2025**

Day	Temperature (HMP155A)						Degree-days			Precipitation			Relative Humidity (HMP155A)		Station Pressure <i>corrected to sea level</i>	
	Max	Avg Max	Min	Avg Min	Mean	Avg 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	2012-2021	°C	2012-2021	°C	2012-2021	5°C base	18°C base	18°C base	mm		cm	%	%	mbar	mbar
1	-0.8	-8.1	-13.3	-20.9	-7.1	-14.5	0.0	25.1	0.0	0.0		40	94	76	1019	1008
2	0.9	-7.0	-12.5	-19.6	-5.8	-13.3	0.0	23.8	0.0	0.0		41	94	72	1008	1005
3	0.9	-6.7	-13.2	-19.4	-6.2	-13.1	0.0	24.2	0.0	0.0		41	95	65	1016	1007
4	1.9	-5.7	-12.6	-16.6	-5.4	-11.2	0.0	23.4	0.0	0.0		42	90	56	1018	1014
5	0.0	-3.7	-14.2	-14.5	-7.1	-9.1	0.0	25.1	0.0	0.0		41	90	61	1014	1007
6	-6.3	-2.2	-19.4	-14.9	-12.9	-8.6	0.0	30.9	0.0	0.0		42	87	72	1011	1006
7	3.0	-5.0	-20.1	-18.2	-8.6	-11.6	0.0	26.6	0.0	0.0		42	93	63	1007	1003
8	4.3	-5.7	-7.5	-17.7	-1.6	-11.7	0.0	19.6	0.0	0.0		42	91	62	1006	1002
9	0.3	-3.4	-11.8	-15.0	-5.8	-9.2	0.0	23.8	0.0	0.1		39	84	69	1007	1003
10	-10.0	0.1	-18.7	-14.7	-14.4	-7.3	0.0	32.4	0.0	0.4		41	82	48	1011	1003
11	-5.5	-1.3	-15.3	-13.4	-10.4	-7.3	0.0	28.4	0.0	0.0		40	91	74	1009	1002
12	-4.1	-0.2	-12.9	-13.4	-8.5	-6.8	0.0	26.5	0.0	0.0		40	95	61	1008	1002
13	-10.3	1.8	-14.4	-10.4	-12.4	-4.3	0.0	30.4	0.0	0.3		39	85	69	1008	996
14	-8.6	-0.6	-15.5	-11.2	-12.1	-5.9	0.0	30.1	0.0	0.3		39	88	59	1004	996
15	-7.7	-0.9	-18.1	-12.0	-12.9	-6.5	0.0	30.9	0.0	0.0		39	80	49	1009	1004
16	-10.3	0.7	-21.8	-12.6	-16.1	-6.0	0.0	34.1	0.0	0.0		39	88	55	1009	1007
17	-6.3	0.5	-24.2	-10.3	-15.3	-4.9	0.0	33.3	0.0	0.0		39	91	58	1009	1007
18	-3.8	0.9	-14.9	-9.9	-9.4	-4.5	0.0	27.4	0.0	0.0		39	91	45	1017	1009
19	1.9	2.6	-12.9	-9.0	-5.5	-3.2	0.0	23.5	0.0	0.0		39	83	53	1017	1008
20	0.3	2.1	-14.1	-10.7	-6.9	-4.3	0.0	24.9	0.0	0.0		38	92	49	1008	1003
21	-10.4	-0.7	-22.1	-12.1	-16.3	-6.4	0.0	34.3	0.0	0.0		39	76	51	1012	1007
22	-7.5	-0.3	-20.1	-11.0	-13.8	-5.7	0.0	31.8	0.0	0.0		40	81	61	1009	1003
23	3.5	-0.7	-13.6	-10.4	-5.1	-5.6	0.0	23.1	0.0	0.0		39	85	57	1009	1006
24	4.1	-0.5	-13.5	-8.3	-4.7	-4.4	0.0	22.7	0.0	0.0		39	94	50	1012	1006
25	8.0	0.5	-4.2	-11.7	1.9	-5.6	0.0	16.1	0.0	0.0		38	85	46	1017	1012
26	2.5	1.7	-7.4	-8.6	-2.5	-3.5	0.0	20.5	0.0	0.0		33	87	49	1020	1016
27	-4.6	2.2	-9.1	-7.3	-6.9	-2.5	0.0	24.9	0.0	1.8		31	90	69	1020	1014
28	-7.2	4.0	-15.0	-8.6	-11.1	-2.3	0.0	29.1	0.0	1.2		31	89	57	1021	1015
29	-6.6	4.1	-20.7	-8.0	-13.7	-2.0	0.0	31.7	0.0	0.0		33	79	41	1023	1021
30	-3.5	2.8	-24.4	-9.6	-14.0	-3.4	0.0	32.0	0.0	0.0		32	85	57	1022	1019
31	-5.0	2.3	-22.1	-10.6	-13.6	-4.2	0.0	31.6	0.0	0.0		32	89	56	1019	1010
Total							0.0	842.2	0.0	4.1						
Avg	-2.8	-1.2	-15.5	-13.0	-9.2	-7.1	Monthly 2012 - 2021 Average			14.1	2012-2021 Average					
Extreme	8.0	17.3	-24.4	-35.8			1.1	740.4	0.0	22.6	2025 Cumulative ppt		95	41	1023	996
Date	25	2012	30	2014						41.8	Cumulative Average		3	29	29	13

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

Precipitation is measured precipitation. It has not been corrected for wind speed.

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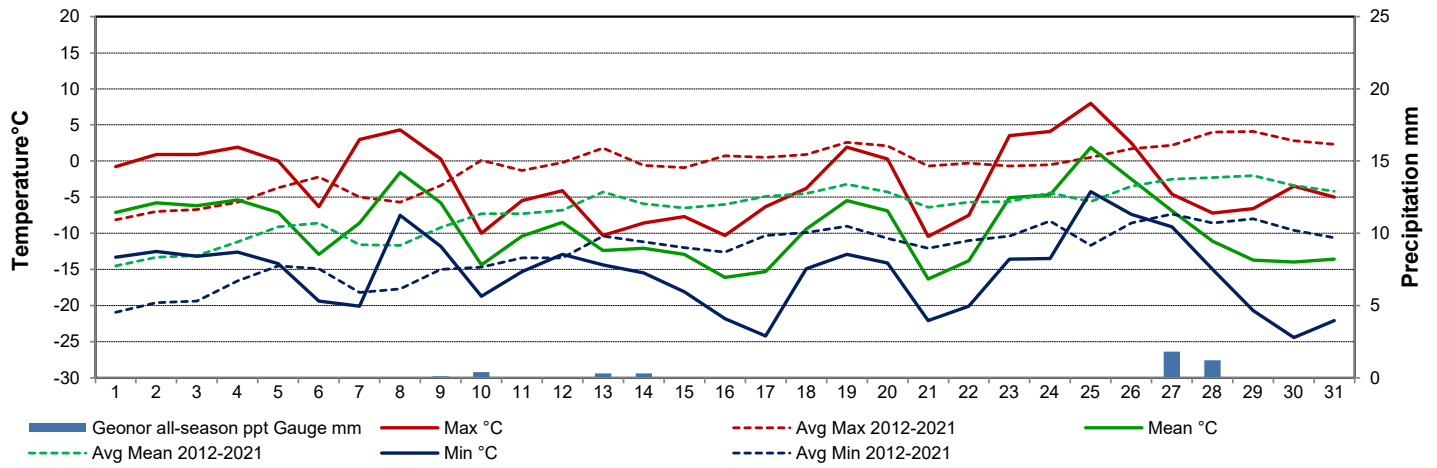


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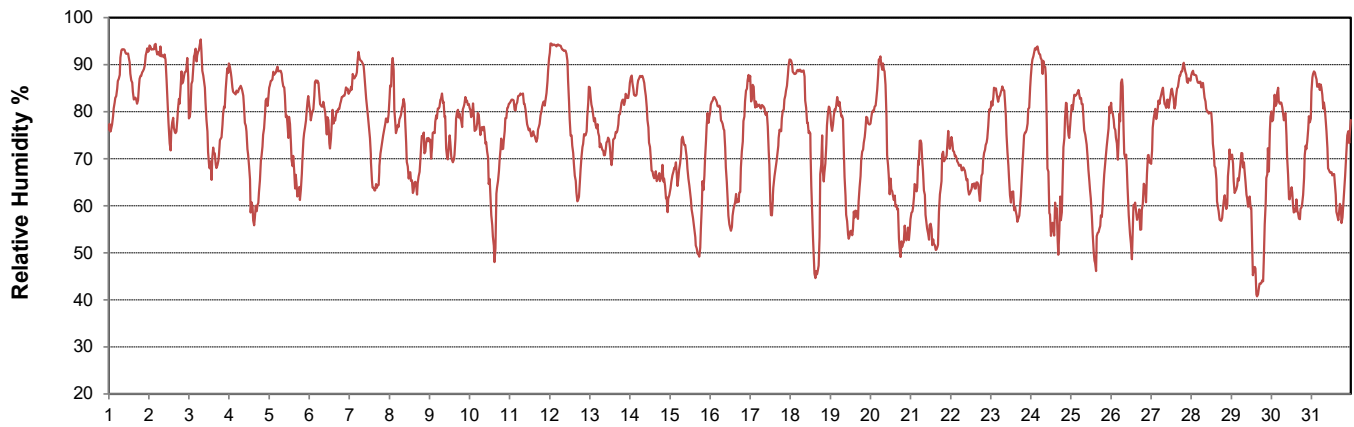
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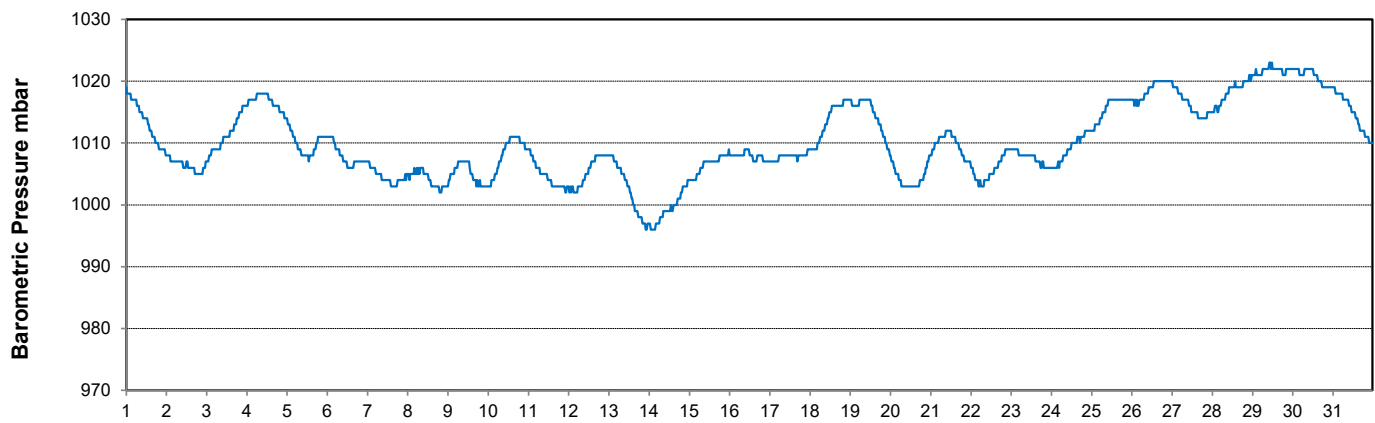
Temperature and Precipitation for March 2025



Relative Humidity for March 2025



Barometric Pressure Corrected to Sea Level for March 2025





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CONSERVATION LEARNING CENTRE

Saskatchewan 53.03°N 105.77°W 451m asl Estab. 2011

Preliminary

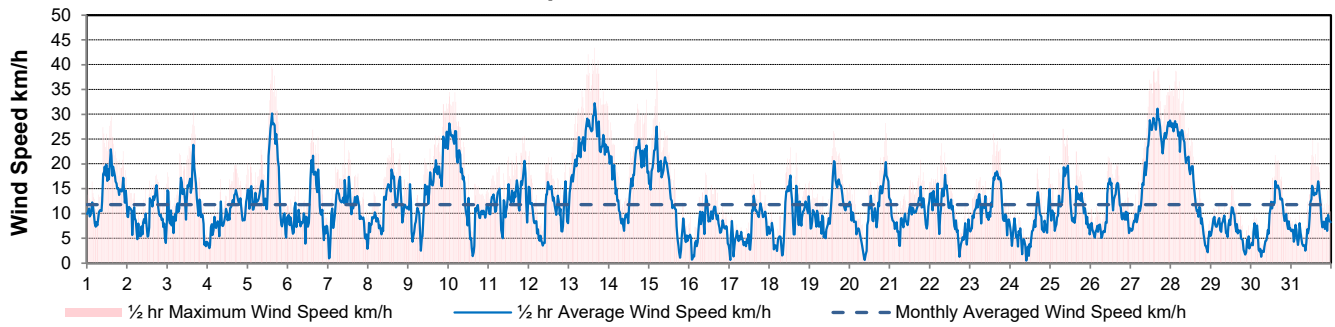
March 2025

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	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	29.6	SSW	14:46	14.3	-6.5	-1.5	-1.5	-1.0	-1.5	0.0	1.5	4.0	4.1	10.9	37.6	8.4	5.8
2	17.8	S	17:43	9.1	-6.0	-1.5	-1.5	-1.0	-1.5	0.0	1.5	4.0	7.8	11.0	71.2	11.6	3.0
3	30.4	N	15:42	12.0	-4.0	-1.5	-1.5	-1.0	-1.0	0.0	1.5	4.0	6.2	11.0	56.2	9.6	6.5
4	19.8	WSW	17:10	9.6	-5.0	-1.5	-1.5	-1.0	-1.0	0.0	1.5	4.0	8.7	11.1	78.4	10.7	5.8
5	39.6	NW	14:31	15.6	-8.0	-1.5	-1.5	-1.0	-1.0	0.0	1.5	4.0	5.5	11.2	49.2	10.5	6.3
6	26.9	ENE	15:18	10.4	-10.5	-1.5	-1.5	-1.0	-1.0	0.0	1.5	4.0	4.4	11.2	39.1	9.5	5.5
7	25.3	SW	10:10	10.6	-7.5	-1.5	-1.5	-1.0	-1.0	0.0	1.5	4.0	5.6	11.3	49.5	10.6	5.3
8	24.8	SW	14:08	11.6	-1.5	-1.5	-1.5	-1.0	-1.0	0.0	1.5	4.0	5.2	11.4	45.7	10.1	7.7
9	32.1	NE	23:06	14.6	-3.5	-1.0	-1.5	-1.0	-1.0	0.0	1.5	4.0	1.3	11.5	11.4	8.0	6.9
10	34.5	NE	1:06	14.4	-14.0	-1.0	-1.0	-1.0	-1.0	0.0	1.5	4.0	7.5	11.5	65.1	12.9	4.5
11	25.6	S	21:50	12.9	-8.5	-1.0	-1.0	-1.0	-1.0	0.0	1.5	4.0	5.2	11.6	44.9	11.3	9.1
12	22.5	SW	0:35	10.2	-4.5	-1.5	-1.5	-1.0	-1.0	0.0	1.5	4.0	2.4	11.7	20.6	9.6	7.7
13	43.3	E	15:47	23.5	-11.0	-1.5	-1.5	-1.0	-1.0	0.0	1.5	4.0	0.0	11.7	0.0	5.6	5.2
14	32.9	NNW	22:41	16.7	-10.5	-1.5	-1.5	-1.0	-1.0	0.0	1.5	4.0	2.1	11.8	17.8	11.0	9.6
15	39.2	NW	4:35	13.7	-12.5	-1.5	-1.5	-1.0	-1.0	0.0	1.5	4.0	10.7	11.9	90.1	15.7	2.5
16	18.2	NE	10:24	7.4	-13.0	-1.5	-1.5	-1.0	-1.0	0.0	1.5	4.0	10.7	11.9	89.6	16.0	2.7
17	17.9	S	14:46	7.0	-16.0	-1.5	-1.5	-1.0	-1.0	0.5	1.5	4.0	5.8	12.0	48.3	13.3	8.7
18	23.3	N	12:40	9.0	-6.5	-2.0	-2.0	-1.5	-1.0	0.0	1.5	4.0	5.3	12.1	43.9	12.2	7.7
19	26.6	SSW	14:48	11.0	-8.5	-2.0	-2.0	-1.5	-1.0	0.0	1.5	4.0	11.4	12.2	93.8	16.4	2.8
20	28.2	NNE	21:32	10.0	-8.0	-2.0	-1.5	-1.5	-1.0	0.0	1.5	3.5	8.1	12.2	66.3	12.9	7.1
21	20.8	E	18:48	9.6	-15.0	-1.5	-1.5	-1.5	-1.0	0.0	1.5	3.5	11.3	12.3	91.9	17.0	3.3
22	24.1	ENE	7:21	9.9	-13.5	-2.0	-1.5	-1.5	-1.0	0.0	1.5	3.5	3.9	12.4	31.6	11.9	8.4
23	26.0	SSW	14:06	11.7	-9.0	-2.0	-2.0	-1.5	-1.0	0.0	1.0	3.5	11.4	12.4	91.7	17.6	3.2
24	21.6	WSW	23:40	6.7	-8.5	-1.5	-1.5	-1.5	-1.0	0.0	1.0	3.5	9.3	12.5	74.4	15.3	7.6
25	27.1	NW	7:56	11.7	0.0	-1.5	-1.5	-1.5	-1.0	0.0	1.0	3.5	11.8	12.6	93.9	17.6	2.8
26	21.4	NNE	10:45	9.9	-1.5	-1.0	-1.0	-1.0	-1.0	0.0	1.0	3.5	11.9	12.6	94.1	17.5	2.9
27	39.6	ENE	17:02	20.5	-5.0	-0.5	-1.0	-1.0	-1.0	0.0	1.0	3.5	0.0	12.7	0.0	6.8	6.3
28	38.7	NE	3:29	17.1	-9.5	-0.5	-1.0	-0.5	-0.5	0.0	1.0	3.5	3.5	12.8	27.4	13.2	11.4
29	15.6	E	12:47	6.8	-10.0	-0.5	-0.5	-0.5	-0.5	0.0	1.0	3.5	4.5	12.8	35.0	15.6	12.8
30	21.8	SSW	14:47	8.3	-14.5	-0.5	-0.5	-0.5	-0.5	0.0	1.0	3.5	12.5	12.9	96.8	18.5	6.7
31	24.7	SSE	13:06	8.6	-13.5	-1.0	-1.0	-0.5	-0.5	0.0	1.0	3.5	11.9	13.0	91.7	20.7	3.5
Total													210.0	370.1	56.7	397.6	189.3
Mean					-8.6	-1.4	-1.4	-1.1	-1.0	0.0	1.4	3.8					
Extreme	43.3	E	15:47														
Date	13																

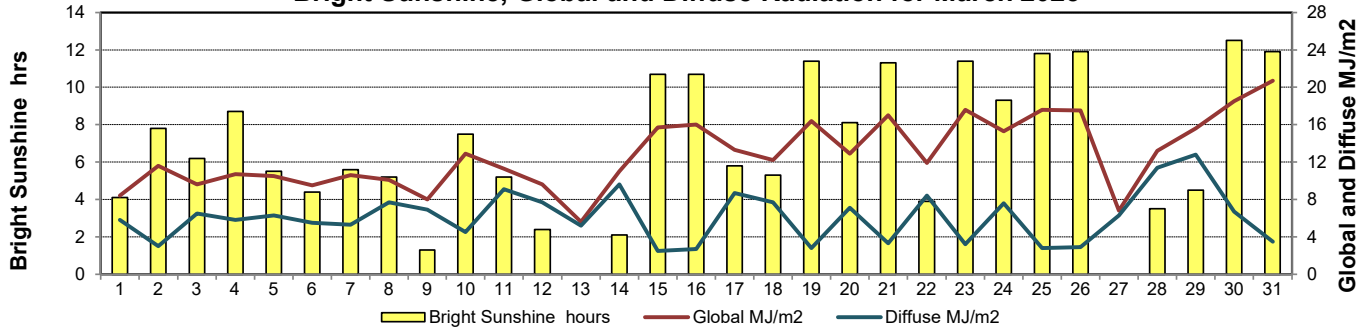
GLOSSARY OF TERMS

Degree-days		Radiation	
Tm	Mean Temperature	Bright Sunshine	is the unobstructed direct radiation from the sun, as opposed to the shading of a location by clouds or by other atmospheric obstructions.
Growing (Tm-5°C); if Tm ≤ 5°C then GDD = 0		Diffuse	is radiation reaching the earth's surface after having been scattered from the direct solar beam
Heating (18°C-Tm); if Tm ≥ 18°C then HDD = 0		Global	is the sum of the direct solar and diffuse radiation
Cooling (Tm-18°C); if Tm ≤ 18°C then CDD = 0		Relative Humidity	The ratio of the air's water vapour content to its water vapour capacity which changes with temperature.
T	Trace of Precipitation	Air Pressure	The force exerted by the weight of a column of air above a given point
SOG	Depth of snow-on-the-ground	Wind Gust	The daily highest instantaneous value recorded irrespective of direction and/or duration
Red Cell	no data available		
Red Number	manual calculation		

Wind Speed for March 2025

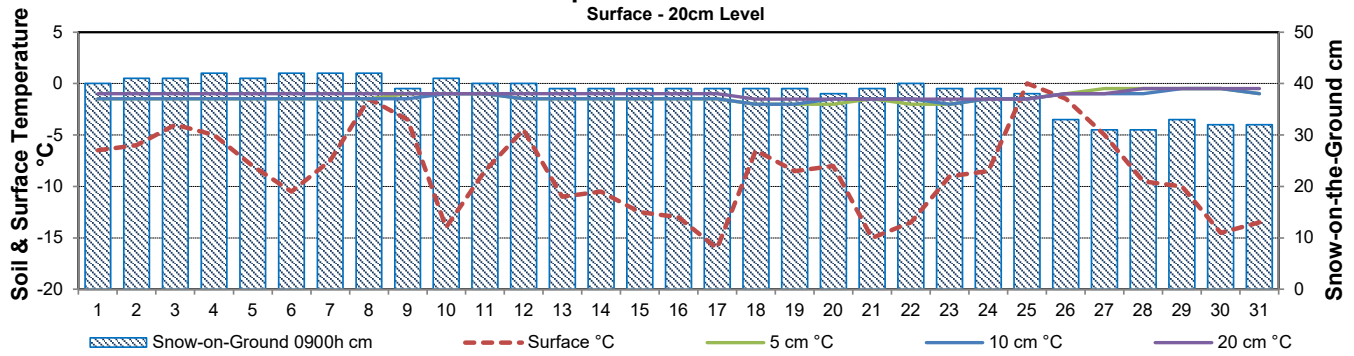


Bright Sunshine, Global and Diffuse Radiation for March 2025



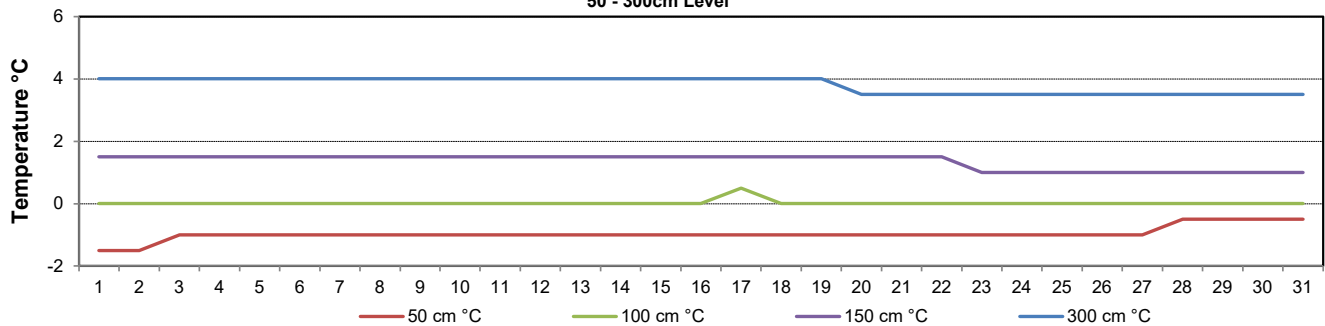
Soil Temperatures for March 2025

Surface - 20cm Level



Soil Temperatures for March 2025

50 - 300cm Level





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CONSERVATION LEARNING CENTRE

Saskatchewan 53.03°N 105.77°W 451m asl Estab. 2011

Preliminary

March 2025

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 Clay Loam)															
1	12.0	19.5	25.8	1.5	16.0	25.5													
2	7.0	12.3	15.2	1.5	16.5	25.5													
3	8.0	19.3	25.0	1.5	16.5	25.5													
4	8.0	12.6	17.0	1.5	16.5	25.5													
5	12.0	23.5	30.4	1.5	17.0	25.5													
6	8.0	18.9	23.9	1.5	17.0	25.5													
7	8.0	14.8	20.4	1.0	16.5	25.5													
8	6.0	15.2	20.4	1.5	16.5	26.0													
9	9.0	18.9	26.8	1.5	16.5	26.0													
10	12.0	21.8	27.7	1.5	17.0	25.5													
11	11.0	16.9	21.8	1.5	16.5	25.5													
12	9.0	13.6	20.6	1.5	17.0	26.0													
13	20.0	27.5	35.6	1.5	17.0	25.5													
14	13.0	19.6	25.8	1.0	16.5	25.5													
15	10.0	21.5	31.0	1.0	16.5	26.0													
16	4.0	11.4	15.1	1.0	16.5	25.5													
17	4.0	11.8	16.2	1.0	16.0	26.0													
18	6.0	14.8	19.3	1.0	16.0	25.5													
19	8.0	17.6	24.8	1.0	16.0	25.5													
20	6.0	14.0	22.4	1.0	16.0	25.5													
21	5.0	13.0	17.6	1.0	16.0	25.5													
22	7.0	15.2	20.4	1.0	16.0	25.5													
23	8.0	15.6	20.8	1.0	16.0	25.5													
24	2.0	11.2	19.1	1.0	16.5	26.0													
25	7.0	15.3	20.6	1.5	16.5	25.5													
26	4.0	13.8	17.9	1.5	17.0	25.5													
27	16.0	25.3	32.5	1.5	16.5	25.5													
28	13.0	23.4	32.1	1.5	17.5	25.5													
29	1.0	9.2	13.9	1.5	17.5	26.0													
30	4.0	14.6	19.1	1.5	17.5	26.0													
31	3.0	3.0	23.0	1.5	17.5	26.0													
Total																			
Mean				1	17	25.6													
Extreme	20.0	27.5	35.6	1.5	17.5	26													

March Temperatures

Temperature °C

2012 2015 2018 2021 2024

— Average Maximum Monthly Temperature — Average Minimum Monthly Temperature — Average Mean Monthly Temperature

March Precipitation

Precipitation mm

2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025

SRC proudly recognizes the following CRS supporters:

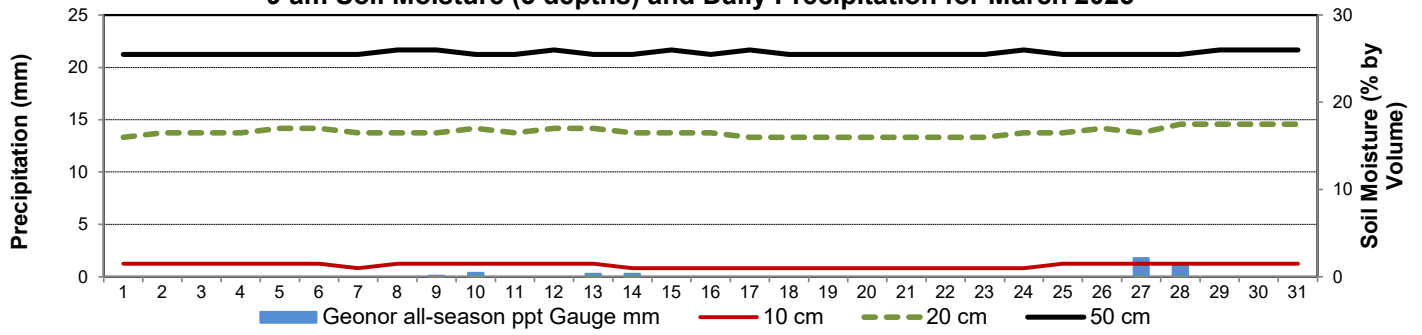


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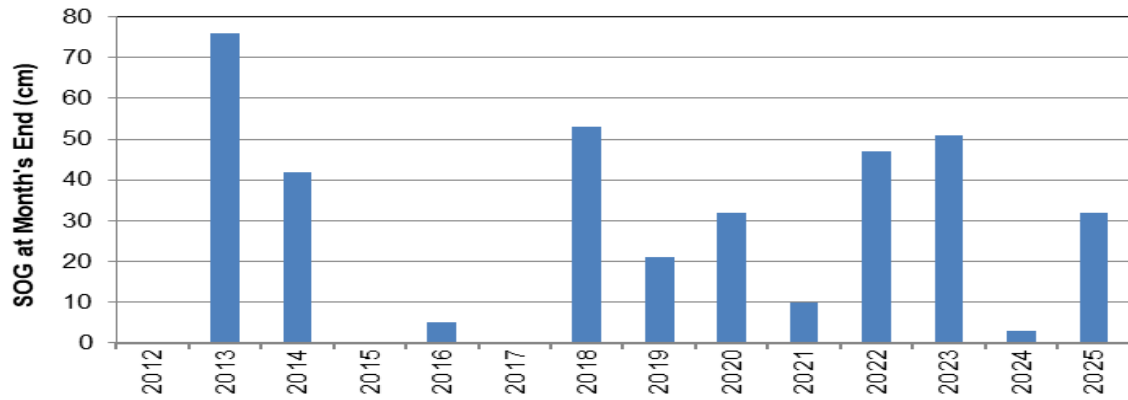
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9 am Soil Moisture (3 depths) and Daily Precipitation for March 2025



March (2012 to 2025) End of Month Snow on Ground (depth (cm))



October 2024 to March 2025 09:00 Daily Snow Depth (cm)

