



SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

SASKATOON STATION 4057180

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

Preliminary

MAY

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	Tipping Bucket	Notes	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	mm		%	%	mbar	mbar
1	14.3	14.4	5.5	1.1	9.9	7.8	4.9	8.1	0.0	0.0	0.0		90	39	1018	1013
2	27.5	16.4	5.2	1.8	16.4	9.1	11.4	1.6	0.0	0.0	0.0		71	12	1016	1005
3	30.7	16.4	8.1	1.8	19.4	9.1	14.4	0.0	1.4	0.0	0.0		54	11	1007	1002
4	22.7	17.2	12.1	2.3	17.4	9.8	12.4	0.6	0.0	0.0	0.0		55	25	1011	1001
5	18.6	18.7	5.2	2.9	11.9	10.8	6.9	6.1	0.0	0.0	0.0		69	15	1023	1011
6	18.1	17.9	-1.4	3.4	8.4	10.6	3.4	9.6	0.0	0.0	0.0		73	13	1028	1022
7	25.5	15.8	4.6	2.6	15.1	9.2	10.1	2.9	0.0	0.0	0.0		51	22	1022	1007
8	26.7	16.0	8.2	2.0	17.5	9.1	12.5	0.5	0.0	0.0	0.0		66	18	1021	1004
9	20.2	16.0	3.0	1.9	11.6	9.0	6.6	6.4	0.0	0.0	0.0		84	18	1027	1017
10	26.0	14.7	10.2	1.6	18.1	8.2	13.1	0.0	0.1	0.0	0.0		50	13	1017	1007
11	27.2	15.9	13.2	2.0	20.2	9.0	15.2	0.0	2.2	0.0	0.0		58	14	1008	1002
12	28.9	18.1	9.0	3.2	19.0	10.7	14.0	0.0	1.0	0.0	0.0		75	17	1002	994
13	20.6	18.4	9.7	3.9	15.2	11.2	10.2	2.8	0.0	0.0	0.0		78	22	1009	998
14	19.1	18.3	6.0	3.9	12.6	11.1	7.6	5.4	0.0	0.0	0.0		74	20	1011	1008
15	16.8	18.5	6.9	4.4	11.9	11.5	6.9	6.1	0.0	0.0	0.0		72	28	1008	1006
16	16.0	20.0	3.9	4.8	10.0	12.4	5.0	8.0	0.0	0.0	0.0		82	30	1013	1008
17	16.7	19.4	0.1	5.7	8.4	12.6	3.4	9.6	0.0	0.0	0.0		84	26	1015	1011
18	12.4	19.0	3.9	6.1	8.2	12.6	3.2	9.8	0.0	0.0	0.0		72	36	1017	1014
19	9.1	19.5	4.3	5.8	6.7	12.7	1.7	11.3	0.0	4.6	4.3	showers	87	55	1018	1015
20	11.9	18.6	6.4	5.4	9.2	12.0	4.2	8.8	0.0	2.4	2.3	showers	91	55	1016	1014
21	12.9	19.8	4.6	6.9	8.8	13.4	3.8	9.2	0.0	2.6	2.5	showers	90	58	1020	1016
22	19.3	19.7	5.2	6.4	12.3	13.1	7.3	5.7	0.0	0.0	0.0		90	41	1021	1019
23	21.9	19.5	6.5	6.3	14.2	12.9	9.2	3.8	0.0	0.0	0.0		79	22	1020	1018
24	23.6	19.6	6.0	7.5	14.8	13.5	9.8	3.2	0.0	0.0	0.0		75	15	1022	1020
25	25.2	19.3	8.7	6.7	17.0	13.1	12.0	1.0	0.0	0.0	0.0		68	19	1023	1018
26	26.1	20.5	10.5	6.9	18.3	13.8	13.3	0.0	0.3	0.0	0.0		62	21	1019	1014
27	27.2	21.5	14.2	7.1	20.7	14.3	15.7	0.0	2.7	0.0	0.0	few drops	57	28	1015	1013
28	30.9	20.8	14.6	7.7	22.8	14.2	17.8	0.0	4.8	0.0	0.0		64	19	1017	1015
29	31.7	20.7	14.7	7.4	23.2	14.1	18.2	0.0	5.2	0.0	0.0		64	17	1015	1009
30	24.6	21.4	13.9	7.3	19.3	14.4	14.3	0.0	1.3	0.0	0.0	few drops	65	26	1017	1008
31	28.8	22.2	8.7	7.6	18.8	14.9	13.8	0.0	0.8	0.0	0.0		84	14	1018	1004
Total							302.3	120.5	19.8	9.6	9.1		Extreme / Date	Extreme / Date	Extreme / Date	Extreme / Date
Avg	22.0	18.5	7.5	4.7	14.8	11.6	1991-2020 Normal			37.6	1991-2020 Normal					
Extreme	31.7		-1.4				211.0	204.0	6.1	52.9	Year to date Cumulative		91	11	1028	994
Date	29		6							94.4	Year to date Cumulative Normal		20	3	6	12
Note: Red numbers indicate manual calculation; Red cell indicate data not available										It has not been corrected for wind speed.						

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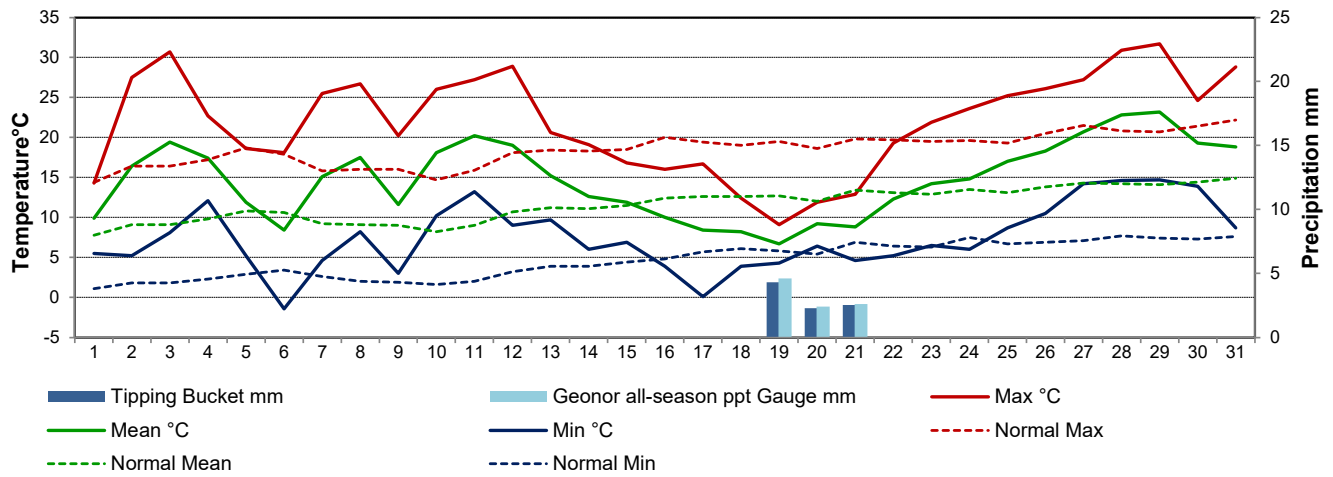
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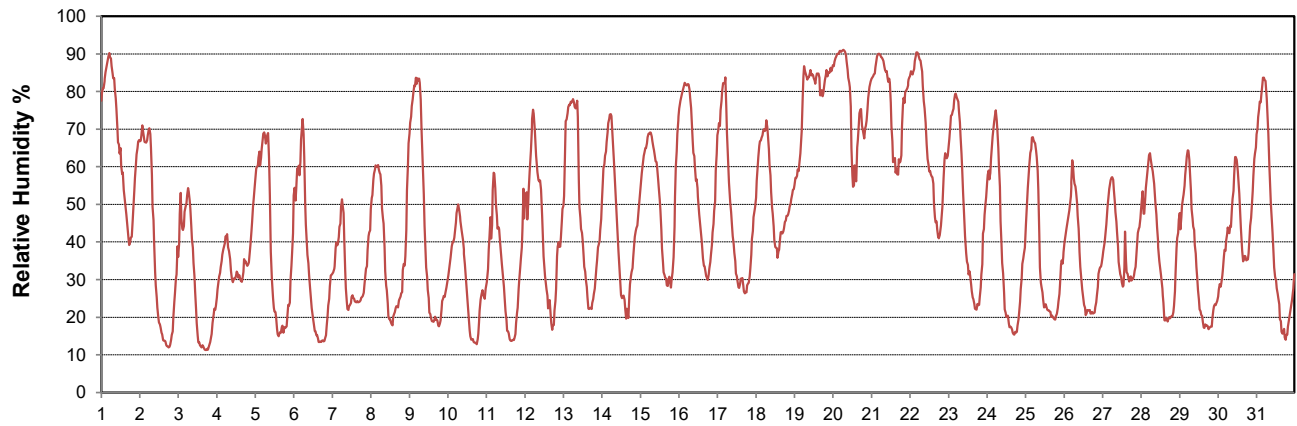
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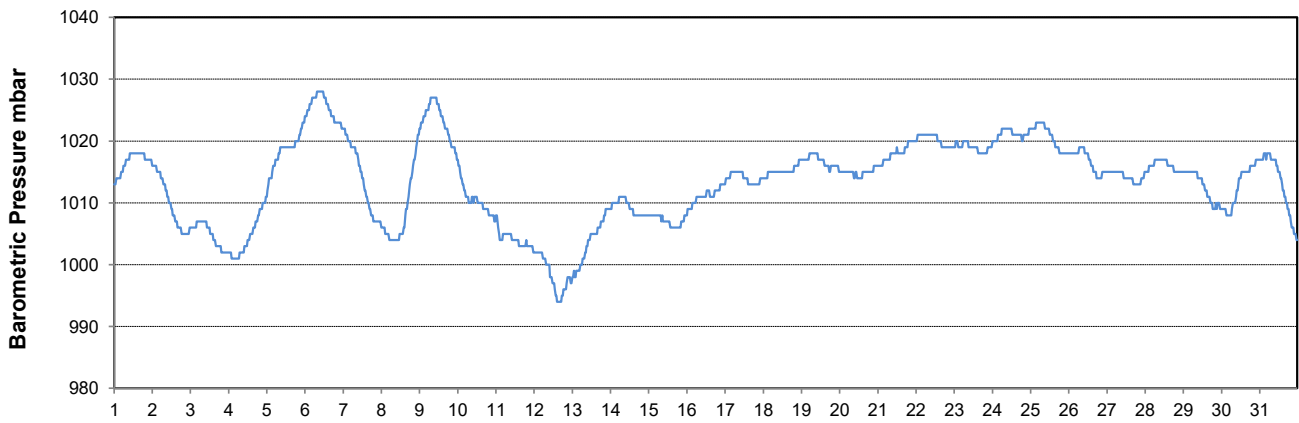
Temperature and Precipitation for May 2025



Relative Humidity for May 2025



Barometric Pressure Corrected to Sea Level for May 2025





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MAY

2025

Day	10 m tower Wind Gust			Wind Speed (10 meters)	Soil Temperatures at 0900hrs (rounded to the nearest 0.5C)								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	33.4	N	13:22	11.3	8.5	8.5	9.0	9.5	7.5	5.5	4.5	4.5	7.6	15.0	50.8	17.1	8.3
2	45.0	SW	12:54	17.7	12.5	8.0	8.5	9.0	7.5	5.5	5.0	4.5	14.1	15.0	93.9	25.6	4.6
3	40.8	SSW	14:42	16.5	16.0	10.0	10.5	10.5	8.0	5.5	5.0	4.5	14.3	15.1	94.8	25.9	3.9
4	52.6	WNW	16:51	20.7	18.0	12.0	12.5	12.0	8.5	6.0	5.0	4.5	12.5	15.1	82.6	24.2	5.4
5	42.5	NW	11:39	17.5	11.0	12.0	12.5	12.5	9.5	6.0	5.0	4.5	10.9	15.2	71.8	23.0	6.0
6	26.0	SSE	22:25	9.0	9.5	9.5	10.5	11.0	9.5	6.5	5.5	4.5	14.8	15.3	97.0	27.0	3.4
7	63.6	SW	16:35	24.1	14.5	10.5	11.0	11.5	9.5	6.5	5.5	4.5	14.5	15.3	94.7	26.1	4.7
8	68.9	SW	13:07	27.8	18.0	12.5	13.0	12.5	10.0	7.0	6.0	4.5	13.4	15.4	87.2	24.9	6.2
9	31.9	ESE	23:30	12.5	11.5	11.0	12.0	12.5	10.5	7.0	6.0	4.5	11.5	15.4	74.6	23.3	8.5
10	44.2	SE	1:34	16.4	15.0	12.5	13.0	12.5	10.5	7.5	6.0	5.0	12.9	15.5	83.4	25.3	6.1
11	39.2	SE	7:55	14.6	17.0	14.0	14.0	13.5	11.0	7.5	6.5	5.0	5.3	15.5	34.1	15.5	10.7
12	58.4	SW	10:08	17.3	16.0	13.5	14.0	13.5	11.0	8.0	6.5	5.0	8.8	15.6	56.5	18.4	8.9
13	59.2	N	17:23	20.6	11.5	14.0	14.5	14.0	11.5	8.0	6.5	5.0	10.8	15.6	69.1	23.5	5.7
14	36.1	NE	16:18	15.5	12.0	13.0	13.5	14.0	11.5	8.0	7.0	5.0	9.8	15.7	62.5	21.9	9.7
15	47.4	SSE	22:37	22.2	9.0	13.0	13.5	13.5	11.5	8.5	7.0	5.0	0.8	15.7	5.1	13.0	11.0
16	37.5	N	1:56	17.9	10.0	12.0	12.5	12.5	11.5	8.5	7.0	5.0	7.1	15.8	45.0	19.0	11.4
17	38.8	ESE	14:39	16.0	11.0	10.5	11.5	12.0	11.5	8.5	7.0	5.0	14.3	15.8	90.3	25.9	6.5
18	47.3	ESE	13:52	23.7	7.5	11.0	12.0	12.5	11.0	8.5	7.5	5.5	8.4	15.9	52.9	20.6	8.8
19	34.2	SE	13:36	17.5	5.5	11.0	12.0	12.0	11.0	8.5	7.5	5.5	0.0	15.9	0.0	5.4	4.8
20	41.3	ESE	14:28	12.9	8.5	10.0	10.5	11.0	10.5	8.5	7.5	5.5	0.0	16.0	0.0	8.5	7.6
21	30.3	SE	13:12	13.0	6.0	9.5	10.0	10.5	10.5	8.5	7.5	5.5	0.5	16.0	3.1	9.7	8.3
22	37.8	SE	12:24	17.9	9.5	9.5	10.0	10.5	10.0	8.5	7.5	5.5	8.0	16.1	49.8	18.6	11.0
23	42.0	SE	13:05	14.7	14.5	10.5	11.0	11.0	10.0	8.5	7.5	5.5	9.5	16.1	59.0	19.5	8.8
24	39.5	ESE	13:33	11.7	15.5	10.5	11.0	11.5	10.5	8.5	7.5	6.0	15.0	16.2	92.9	28.2	5.8
25	48.1	S	14:01	18.9	18.5	12.5	12.5	13.0	11.0	8.5	7.5	6.0	15.3	16.2	94.4	29.2	4.6
26	53.1	SSE	11:19	21.5	18.5	13.5	14.0	14.0	11.5	8.5	7.5	6.0	14.7	16.2	90.5	27.1	8.1
27	53.1	SSW	10:55	21.2	19.5	15.0	15.0	14.5	12.0	9.0	8.0	6.0	12.9	16.3	79.3	23.6	8.3
28	32.1	S	16:11	11.0	19.5	15.5	16.0	15.5	12.5	9.0	8.0	6.0	15.2	16.3	93.2	28.2	4.9
29	38.6	SSW	15:07	14.7	21.5	17.0	17.0	16.5	13.0	9.5	8.0	6.0	15.0	16.4	91.7	26.2	7.6
30	54.9	WNW	12:02	22.4	18.5	17.5	17.5	17.5	13.5	9.5	8.0	6.0	10.9	16.4	66.5	19.8	8.4
31	34.2	SE	21:36	10.9	18.5	15.0	15.5	16.5	14.0	10.0	8.5	6.0	12.3	16.4	74.9	25.3	10.7
Total													321.1	488.3	65.8	669.5	228.7
Mean				17.1	13.6	12.1	12.6	12.7	10.7	7.9	6.7	5.2	1991-2020 Normal				
Extreme	68.9	SW	13:07		1971- 2000 Normal for Soil Temperatures								274.7	487.8	56.3	634.1	214.0
Date	8					10.3	10.8	11.3	9.3	6.4	4.8	3.4	No. of Bright Sunshine days = 29				

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

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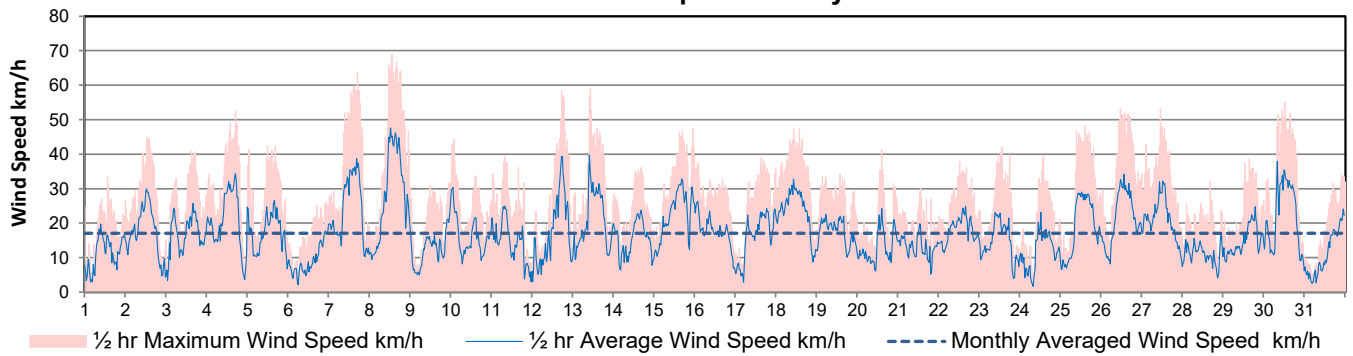


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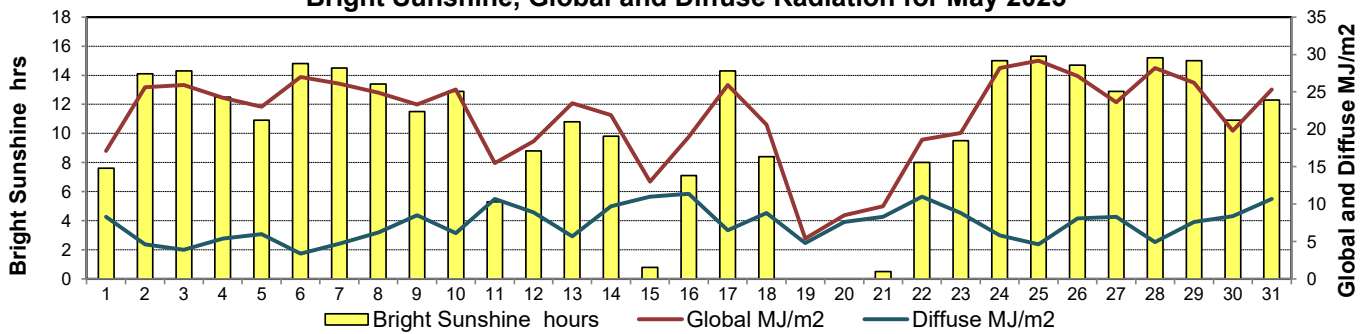


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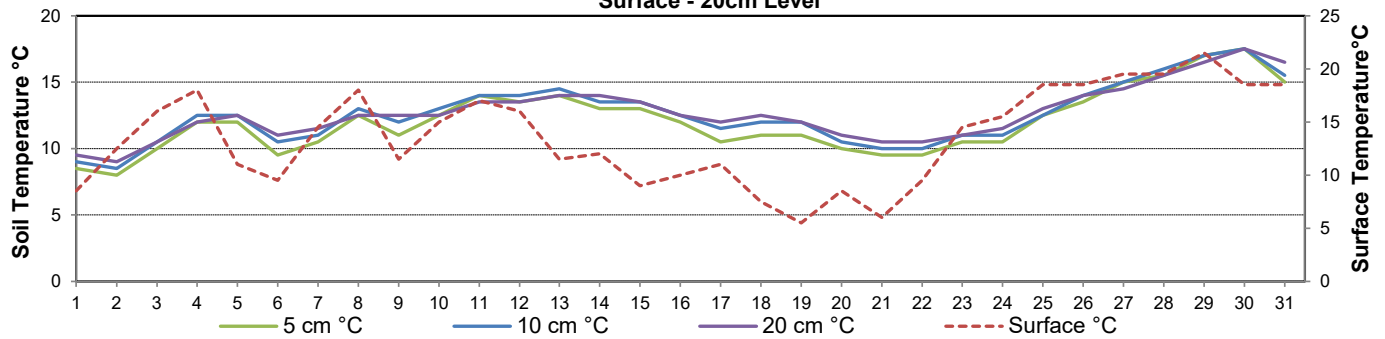
10 m tower Wind Speed for May 2025



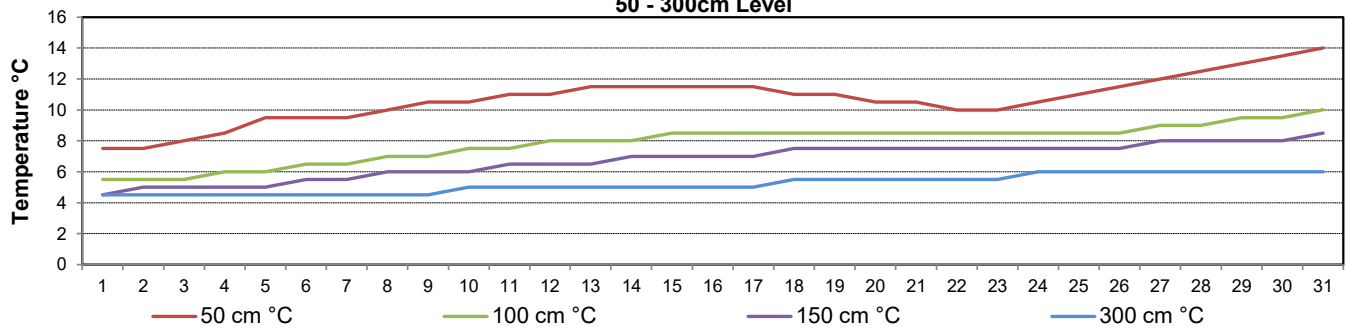
Bright Sunshine, Global and Diffuse Radiation for May 2025



9 am Soil Temperatures for May 2025
Surface - 20cm Level



9 am Soil Temperatures for May 2025
50 - 300cm Level





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

Preliminary MAY 2025

Extreme Records for May

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
37.2		27/1936	SE	35.0	30/1988	178.0		1977	SWT	145.3	1977	132		17 ^{SW} 1965	108	1991	389.3	1980	31	1966*
-12.8		06/1907	SE	-10.0	02/1967	0.0		02/02, 1988	SWT, K, SC	0.2	2002						153.0	1996	24	2006

**1975 forward * more than one year

Notable Events for CRS Saskatoon - May						Saskatoon Area Stations			Glossary	
Element	Type	Day	New Record	Old Record	Year	SM	NWMP	c. 1892-1901	T	Trace of precipitation
Temperature	Highest Maximum Daily	3	30.7	30.0	2016	SE	Eby	1901-1941	Normal	30 year average beginning with the decade
	Highest Mean Daily	29	23.2	22.8	1988	US	Univ. of Sask.	1915-1964	SOG	Depth of snow-on-the-ground in cm
Growing Degree-days	Highest Daily	29	18.2	17.8	1988	S	Saskatoon	1941-1942	na	not available
						SA	Saskatoon A	1942 -	Degree-days	
Cooling Degree-days	Highest Daily	29	5.2	4.8	1988	NRC	Nat. Res. Council	1952-1966	Tm	Mean Temperature
						SRC	Sask. Res. Council	1963-	Growing	(Tm-5°C); if Tm ≤ 5°C then GDD = 0
						SWT	S'toon Water Treatment Plant	1974 -	Heating	(18°C-Tm); if Tm ≤ 18°C then HDD = 0
						SC	S'toon Central Ave	1974-1989	Cooling	(Tm-18°C); if Tm ≥ 18°C then CDD = 0
						S1	Saskatoon 1	1976-1978	Extreme Cooling	(Tm-24°C); if Tm ≥ 24°C then CDD = 0
						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		

May

Total precipitation: Fourth driest May (2015=6.8 mm; 2008=4.4mm; 2002=0.2mm)

Average Maximum monthly temperature fifth highest

Average Minimum monthly temperature fifth highest

Average Mean monthly temperature fourth highest

Spring (March, April, May)

Total precipitation: seventh driest spring

Average Maximum spring temperature fifteenth highest

Average Minimum spring temperature thirteenth highest

Average Mean spring temperature thirteenth highest

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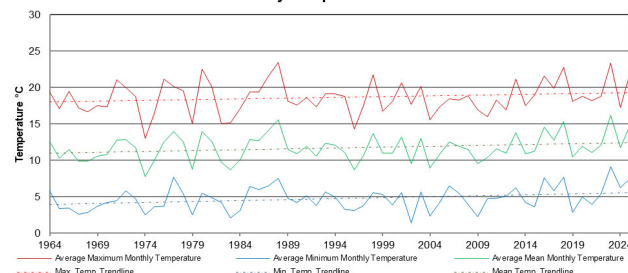
Preliminary

MAY

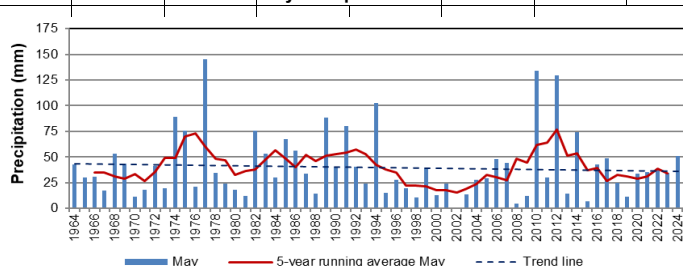
2025

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 Loam (45.5% Sand, 41.1% Silt, 13.3% Clay))		
1	9.0	15.2	26.4	15.5	3.0	20.5
2	12.0	22.7	37.9	15.0	3.0	20.5
3	11.0	18.1	32.1	15.0	3.0	20.0
4	15.0	25.8	38.5	14.0	3.0	20.0
5	13.0	20.2	34.4	14.0	3.0	20.0
6	6.0	12.3	32.1	13.0	3.0	20.0
7	15.0	27.4	47.1	12.0	3.0	19.5
8	20.0	35.5	55.2	12.5	3.0	19.0
9	9.0	16.5	25.8	11.0	3.0	19.0
10	12.0	22.3	36.8	11.5	2.5	18.5
11	10.0	17.4	34.4	11.0	2.5	17.5
12	12.0	30.2	44.8	10.0	2.5	16.5
13	15.0	29.5	43.7	9.5	2.5	16.0
14	12.0	18.4	30.4	8.5	2.5	15.5
15	16.0	23.0	35.6	8.0	2.5	14.5
16	13.0	19.2	28.7	7.0	2.5	14.5
17	12.0	17.7	31.0	6.5	2.5	13.0
18	18.0	24.9	37.9	5.5	2.5	13.0
19	12.0	16.8	28.1	5.5	2.5	13.0
20	9.0	18.6	32.1	5.5	2.5	13.0
21	10.0	13.9	23.5	5.5	2.5	13.5
22	13.0	18.9	30.4	5.5	2.5	12.5
23	10.0	18.2	34.4	6.0	2.5	13.0
24	7.0	18.2	29.3	6.0	2.5	12.5
25	11.0	18.9	36.2	6.5	2.5	12.5
26	13.0	21.1	44.2	7.0	2.5	12.5
27	13.0	24.2	41.9	6.5	2.5	12.0
28	7.0	11.4	29.3	6.5	2.5	12.0
29	10.0	17.7	30.4	5.5	2.5	12.0
30	16.0	27.9	42.5	5.5	2.0	11.5
31	7.0	16.0	28.0	5.0	2.0	11.5
Total						
Mean				9	3	15.5
Extreme	20.0	35.5	55.2	15.5	3	20.5
Date	8	8	8	1	1	1

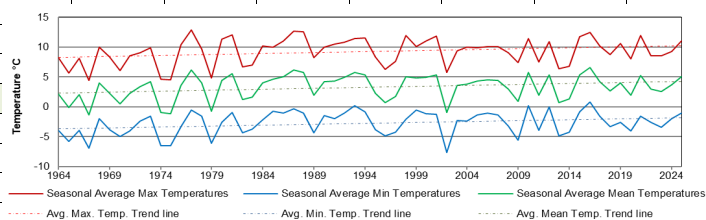
May Temperatures



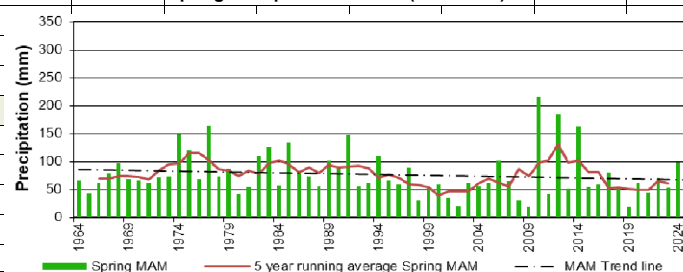
May Precipitation



Spring Temperature Trends (1964-2025)



Spring Precipitation Trends (1964-2025)

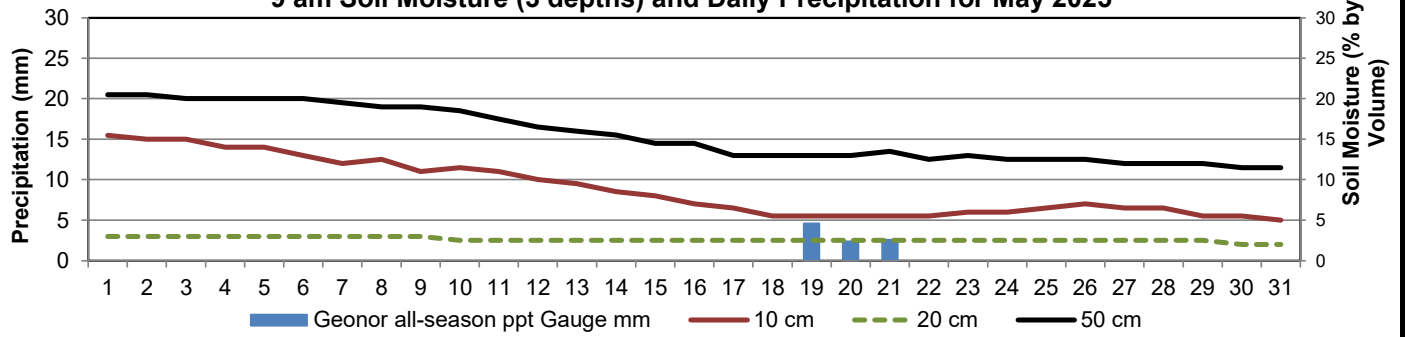


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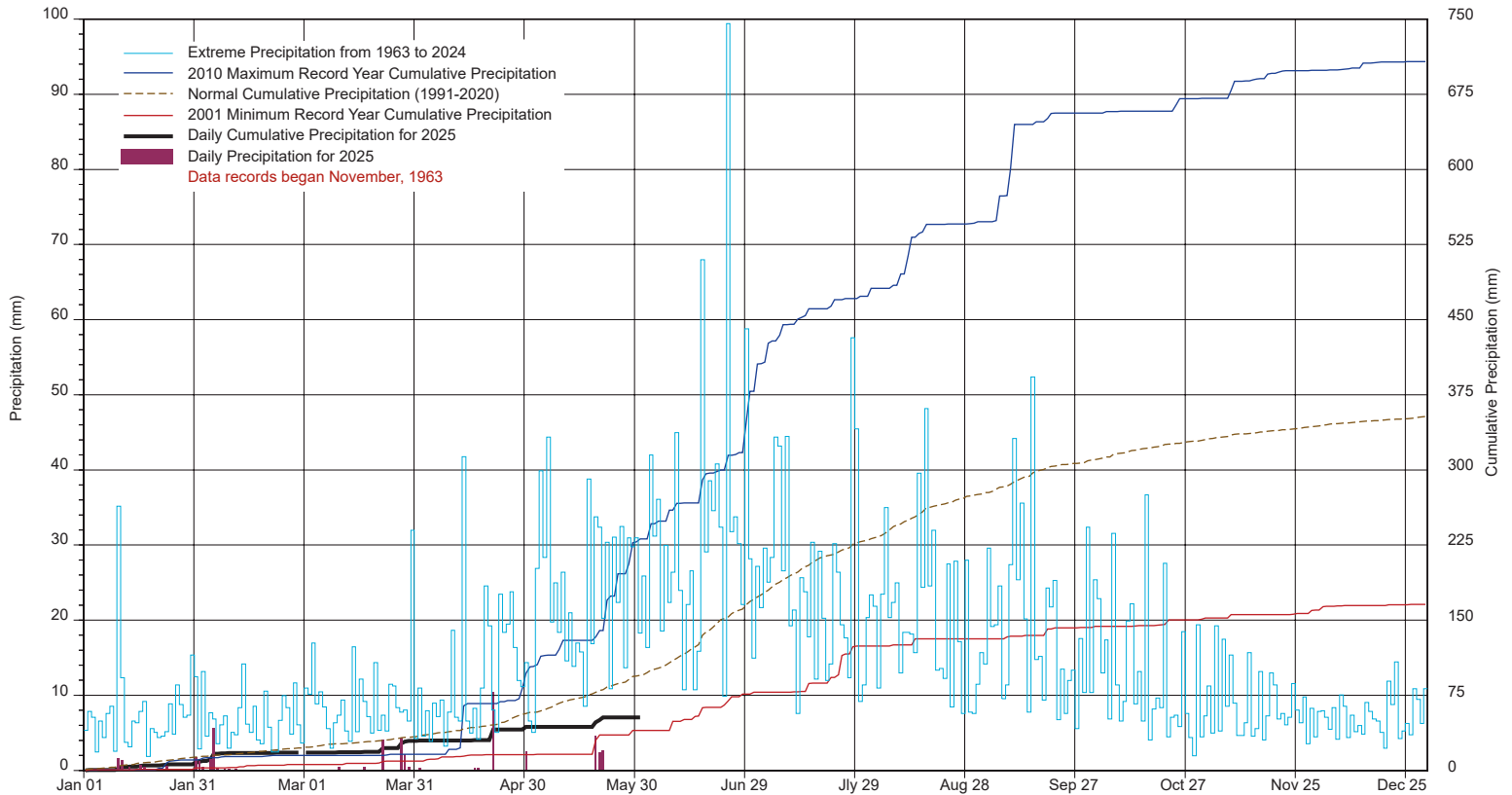
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WHEN MEASUREMENTS MATTER

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

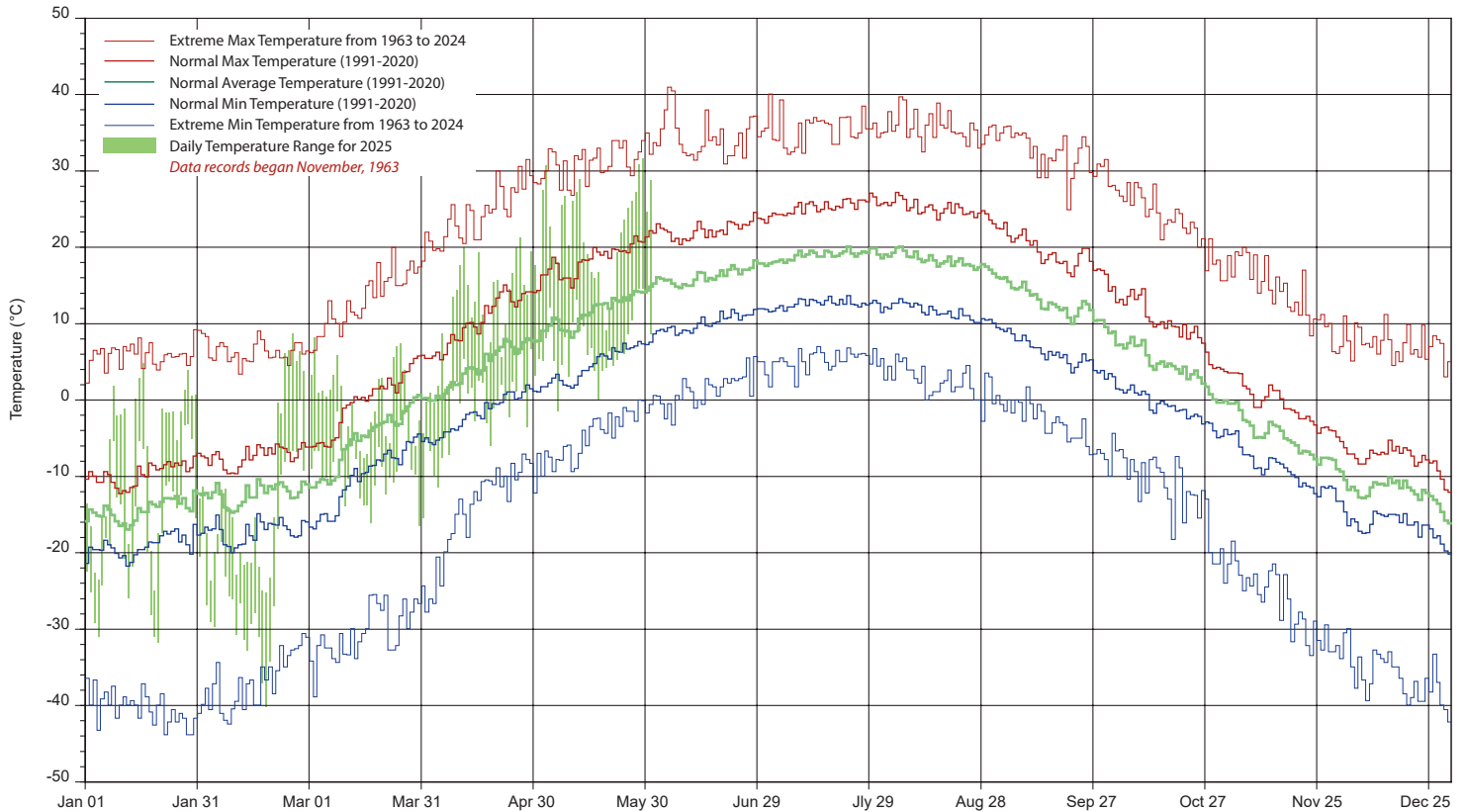


SASKATCHEWAN RESEARCH COUNCIL SASKATOON CLIMATE REFERENCE STATION

2025 PRECIPITATION AND NORMALS



2025 TEMPERATURES AND NORMALS



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