



SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

SASKATOON STATION 4057180

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

Preliminary

AUGUST

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	31.3	25.7	14.9	11.5	23.1	18.6	18.1	0.0	5.1	0.0	0.0		87	34	1022	1018
2	27.1	25.9	17.2	12.2	22.2	19.1	17.2	0.0	4.2	3.8	3.6	showers	87	54	1019	1015
3	28.7	25.5	15.3	12.0	22.0	18.8	17.0	0.0	4.0	0.0	0.0		89	38	1016	1013
4	28.2	25.9	17.8	12.7	23.0	19.3	18.0	0.0	5.0	0.0	0.0		86	40	1013	1011
5	21.6	27.2	17.2	12.7	19.4	20.0	14.4	0.0	1.4	17.4	17.3	t-storm	92	66	1015	1012
6	26.6	26.8	15.4	13.3	21.0	20.1	16.0	0.0	3.0	0.0	0.0		89	38	1014	1013
7	25.9	26.3	16.5	12.8	21.2	19.6	16.2	0.0	3.2	0.4	0.5		84	57	1014	1009
8	20.1	24.8	14.8	12.7	17.5	18.8	12.5	0.5	0.0	42.8	0.0		93	74	1009	1004
9	22.0	25.2	15.2	12.2	18.6	18.7	13.6	0.0	0.6	13.8	0.3		93	61	1011	1005
10	24.4	26.3	13.7	12.7	19.1	19.5	14.1	0.0	1.1	0.0	0.0		89	45	1013	1008
11	24.4	24.4	15.0	12.5	19.7	18.5	14.7	0.0	1.7	0.1	0.0		86	39	1015	1008
12	25.6	24.6	11.1	11.5	18.4	18.1	13.4	0.0	0.4	0.0	0.0		89	40	1015	1010
13	27.1	25.3	14.6	11.2	20.9	18.3	15.9	0.0	2.9	5.6	5.8		88	52	1010	1000
14	19.2	25.6	10.8	12.3	15.0	19.0	10.0	3.0	0.0	0.0	0.0		89	42	1013	1003
15	17.3	24.9	6.4	11.8	11.9	18.3	6.9	6.1	0.0	0.5	0.5		90	47	1017	1013
16	23.5	23.6	12.2	11.2	17.9	17.5	12.9	0.1	0.0	0.0	0.0		80	56	1015	1009
17	25.8	24.5	15.7	11.3	20.8	17.9	15.8	0.0	2.8	0.1	0.0		86	52	1013	1007
18	26.2	25.1	11.7	11.3	19.0	18.2	14.0	0.0	1.0	0.0	0.0		93	37	1017	1013
19	30.8	25.9	14.5	11.7	22.7	18.8	17.7	0.0	4.7	0.0	0.0		88	30	1016	1015
20	31.8	24.5	14.6	10.8	23.2	17.6	18.2	0.0	5.2	0.1	0.0		91	34	1017	1009
21	22.7	25.7	12.8	10.7	17.8	18.2	12.8	0.2	0.0	0.0	0.0		89	29	1019	1013
22	20.5	25.2	11.5	12.0	16.0	18.6	11.0	2.0	0.0	0.2	0.3		90	45	1025	1016
23	21.9	24.3	7.5	11.1	14.7	17.7	9.7	3.3	0.0	0.0	0.0		91	33	1026	1024
24	24.1	24.4	8.1	11.1	16.1	17.8	11.1	1.9	0.0	0.0	0.0		83	31	1024	1019
25	30.2	24.7	11.6	10.5	20.9	17.6	15.9	0.0	2.9	0.0	0.0		79	25	1019	1016
26	30.3	23.9	12.4	10.2	21.4	17.1	16.4	0.0	3.4	0.0	0.0		84	23	1017	1015
27	31.6	24.5	12.4	10.2	22.0	17.4	17.0	0.0	4.0	0.0	0.0		85	23	1019	1016
28	31.5	24.8	13.6	10.7	22.6	17.8	17.6	0.0	4.6	0.0	0.0		72	20	1019	1017
29	31.7	24.4	13.3	10.5	22.5	17.5	17.5	0.0	4.5	0.0	0.0		77	21	1018	1017
30	30.6	23.6	13.7	10.6	22.2	17.1	17.2	0.0	4.2	4.2	4.3		81	28	1019	1016
31	29.8	23.1	15.4	10.1	22.6	16.6	17.6	0.0	4.6	0.0	0.0		78	31	1017	1015
Total							460.4	17.1	74.5	89.0	32.5		Extreme / Date	Extreme / Date	Extreme / Date	Extreme / Date
Avg	26.2	25.1	13.4	11.6	19.9	18.3	1991-2020 Normal			46.4	Aug 1991-2020 Normal					
Extreme Date	31.8		6.4				413.0	41.6	51.6	312.9	Year to date 2024 Cumulative		93	20	1026	1000
	20		15							274.8	Year to date Cumulative Normal		8	28	23	13

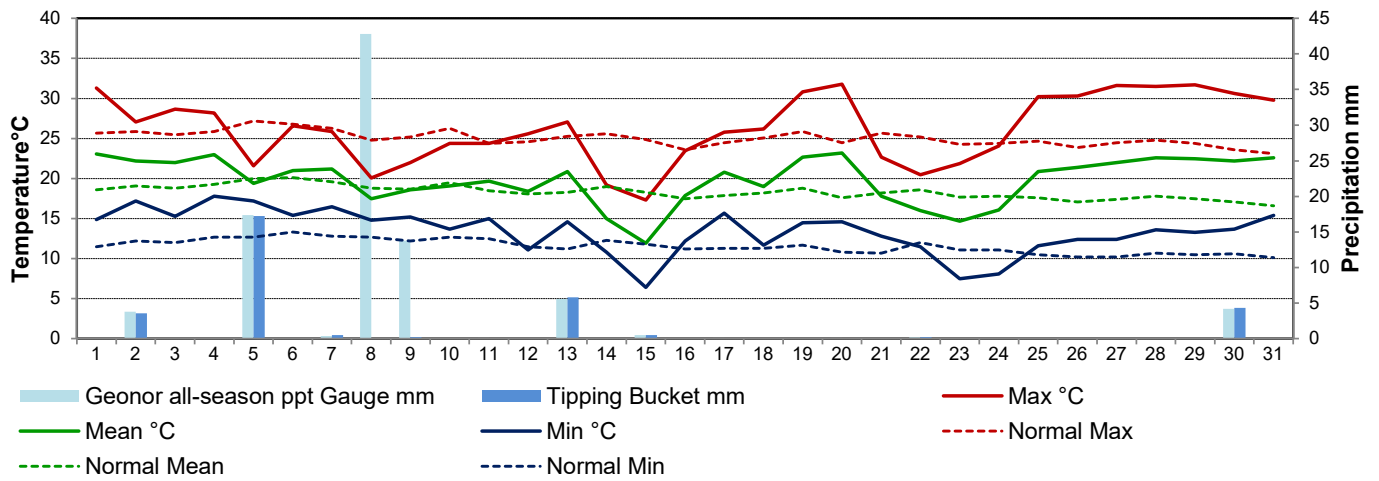
Note: Red numbers indicate manual calculation; Red cell indicate data not available

It has not been corrected for wind speed.

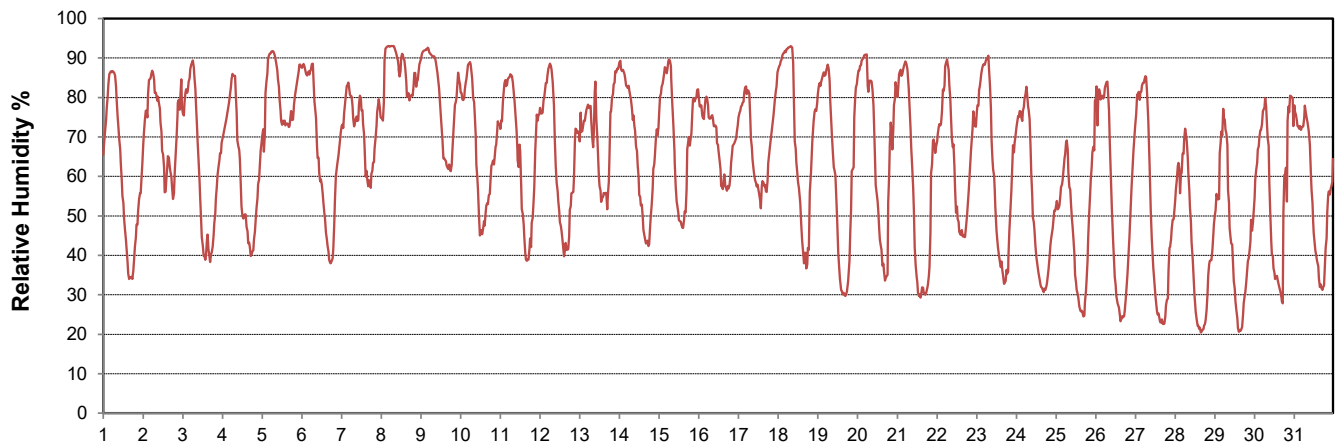
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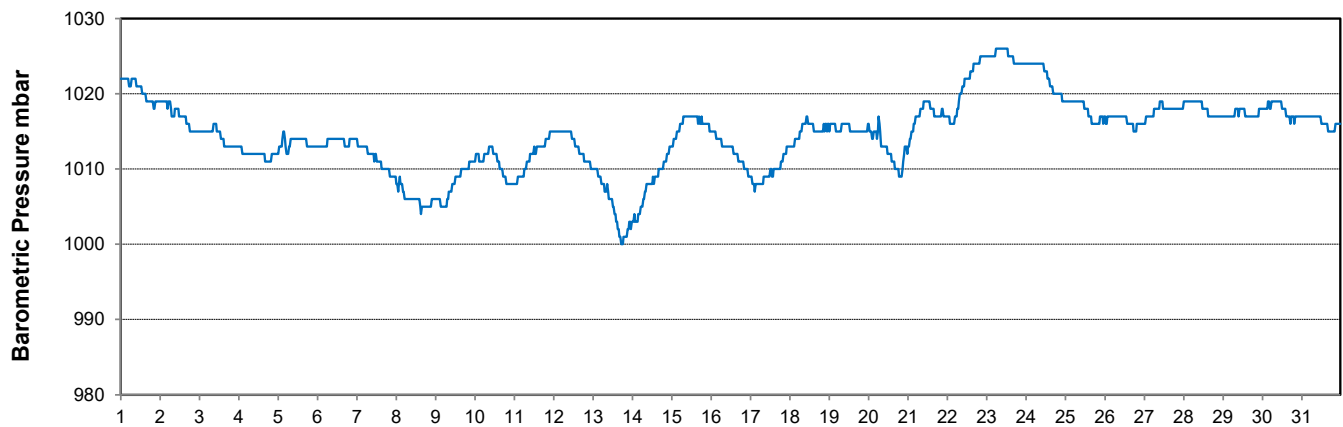
Temperature and Precipitation for August 2025



Relative Humidity for August 2025



Barometric Pressure Corrected to Sea Level for August 2025





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SASKATOON STATION 4057180

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

Preliminary **AUGUST 2025**

Day	Wind Gust (10 meters)			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	38.2	SE	14:06	14.1	20.0	18.0	18.5	22.5	17.0	14.0	13.5	10.0	9.7	15.5	62.7	22.0	6.6
2	33.2	S	3:05	10.6	20.0	20.0	20.0	23.5	17.5	14.5	13.5	10.0	3.0	15.4	19.5	11.7	9.3
3	41.8	ESE	11:45	14.4	21.5	18.5	19.0	23.0	17.5	14.5	13.5	10.0	10.2	15.4	66.4	21.1	7.5
4	42.6	SSW	12:58	16.0	21.0	19.5	20.0	24.0	17.5	14.5	13.5	10.0	10.5	15.3	68.6	21.7	6.6
5	37.1	SSW	3:28	9.8	17.5	19.5	20.0	23.5	18.0	14.5	13.5	10.0	1.0	15.2	6.6	9.6	8.4
6	27.1	NW	15:45	9.9	19.0	19.0	19.5	23.5	18.0	14.5	13.5	10.5	10.9	15.2	71.8	19.5	7.5
7	37.6	ESE	17:48	15.6	18.0	19.0	19.5	23.5	18.0	15.0	14.0	10.5	2.6	15.1	17.2	8.9	6.1
8	48.7	NW	1:55	9.4	16.5	17.5	18.0	23.0	18.0	15.0	14.0	10.5	0.1	15.1	0.7	4.8	4.2
9	44.0	N	5:50	15.1	15.0	17.5	18.0	22.5	17.5	15.0	14.0	10.5	0.4	15.0	2.7	7.3	6.5
10	34.4	WSW	15:28	12.3	16.5	16.5	17.0	22.0	17.0	15.0	14.0	10.5	5.0	15.0	33.4	14.7	8.6
11	44.0	NW	14:53	18.4	17.5	18.0	18.5	22.5	17.0	15.0	14.0	10.5	7.2	14.9	48.4	17.6	7.1
12	23.8	SE	16:02	7.5	15.5	16.0	17.0	22.0	17.0	15.0	14.0	10.5	8.6	14.8	58.0	16.6	9.0
13	39.6	SE	23:38	14.5	18.0	18.0	18.0	22.5	17.0	15.0	14.0	10.5	7.8	14.8	52.8	16.3	5.3
14	57.4	WNW	8:02	25.3	13.5	17.5	18.5	22.5	17.5	15.0	14.0	10.5	5.7	14.7	38.7	16.6	7.5
15	27.7	WNW	0:04	10.3	10.5	14.0	15.5	20.5	17.0	15.0	14.5	10.5	7.5	14.7	51.2	16.6	6.2
16	50.0	ESE	21:03	26.2	14.5	15.5	16.0	19.0	16.5	15.0	14.5	10.5	7.3	14.6	50.0	16.8	9.2
17	43.6	SSE	0:27	13.6	19.5	16.5	17.0	20.0	16.5	15.0	14.5	11.0	12.4	14.5	85.3	21.2	5.7
18	24.8	ESE	22:59	8.7	15.0	16.5	17.5	21.0	16.5	14.5	14.5	11.0	11.8	14.5	81.5	22.4	4.8
19	28.7	SSE	4:18	10.5	18.5	17.5	18.5	22.5	17.0	14.5	14.5	11.0	13.3	14.4	92.4	21.5	4.1
20	78.2	NNW	20:54	11.4	17.5	18.5	19.0	23.0	17.0	15.0	14.5	11.0	9.6	14.3	66.9	19.4	3.3
21	52.8	NW	20:16	23.2	14.5	18.0	19.0	23.5	17.5	15.0	14.5	11.0	11.9	14.3	83.3	21.1	3.9
22	49.9	NNW	12:48	21.3	14.0	16.5	17.5	22.5	17.5	15.0	14.5	11.0	5.4	14.2	38.0	14.8	8.1
23	28.0	NNW	16:34	6.8	11.0	14.0	15.0	20.5	17.0	15.0	14.5	11.0	10.5	14.2	74.2	18.3	6.8
24	23.4	SSW	14:57	8.8	13.5	14.0	15.5	19.0	16.5	15.0	15.0	11.0	13.4	14.1	95.1	21.1	3.7
25	37.0	SW	14:25	10.7	15.5	15.5	16.0	19.5	16.5	15.0	15.0	11.0	12.3	14.0	87.7	20.8	3.3
26	26.0	WNW	18:17	6.0	18.0	16.0	17.0	20.0	16.5	15.0	15.0	11.0	12.8	14.0	91.7	21.1	3.3
27	19.4	ENE	16:01	5.6	17.0	16.5	17.0	21.5	17.0	15.0	15.0	11.0	12.9	13.9	92.8	20.4	3.8
28	22.4	S	15:12	8.8	19.0	17.0	18.0	22.5	17.0	15.0	15.0	11.0	12.1	13.8	87.5	19.7	4.8
29	25.3	SSW	18:12	9.0	19.5	17.5	18.5	23.0	17.0	15.0	15.0	11.0	12.2	13.8	88.6	18.9	4.5
30	52.3	ESE	17:38	6.7	17.0	17.5	18.5	23.0	17.5	15.0	15.0	11.0	11.6	13.7	84.7	19.4	5.0
31	27.4	SW	13:52	7.9	17.5	18.0	19.0	23.0	17.5	15.0	15.0	11.5	10.5	13.6	77.0	18.8	3.6
Total													270.2	451.9	59.8	540.7	184.3
Mean				12.5	16.8	17.2	17.9	22.1	17.2	14.9	14.3	10.7	1991-2020 Normal				
Extreme	78.2	NNW	20:54		1971- 2000 Normal for Soil Temperatures								276.9	452.3	61.2	542.2	172.5
Date	20					16.5	16.9	18.1	16.8	14.1	12.3	9.1	No. of Bright Sunshine days = 31				

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

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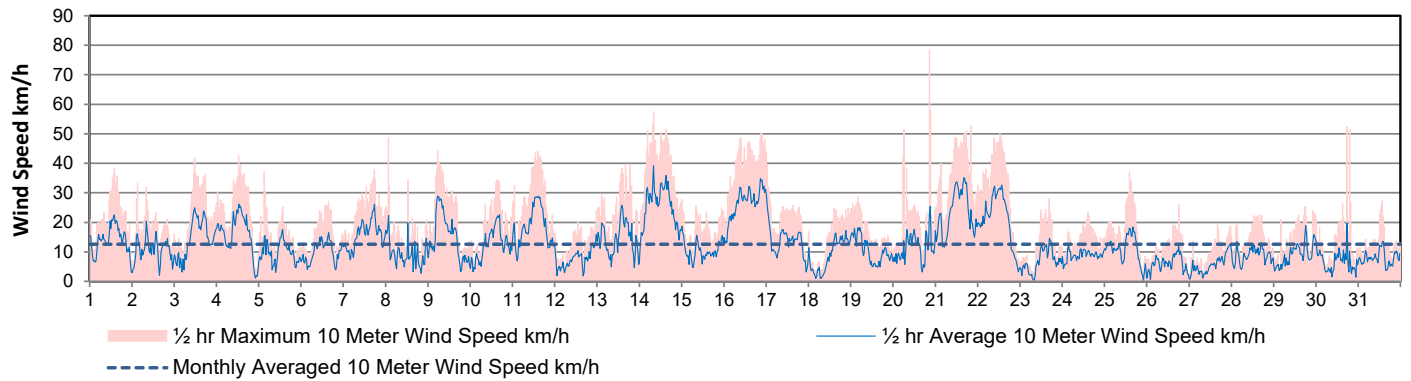


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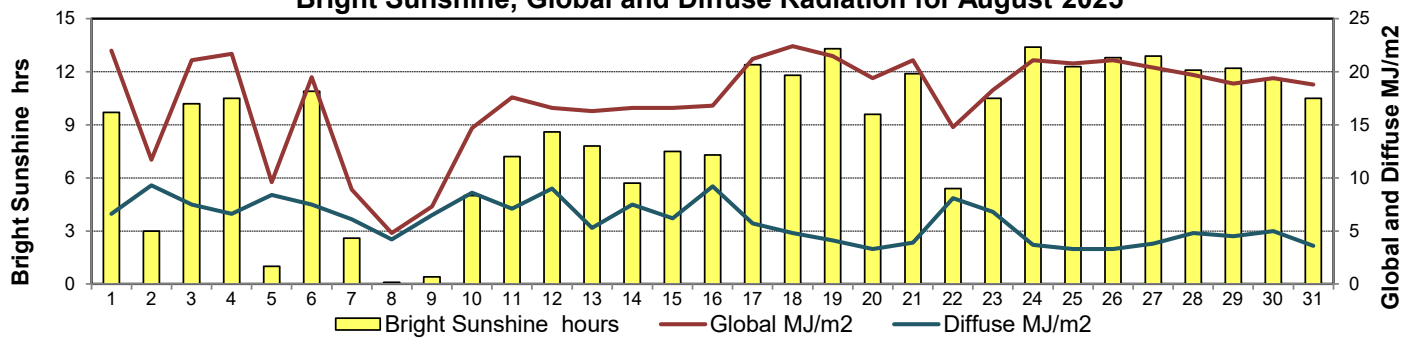


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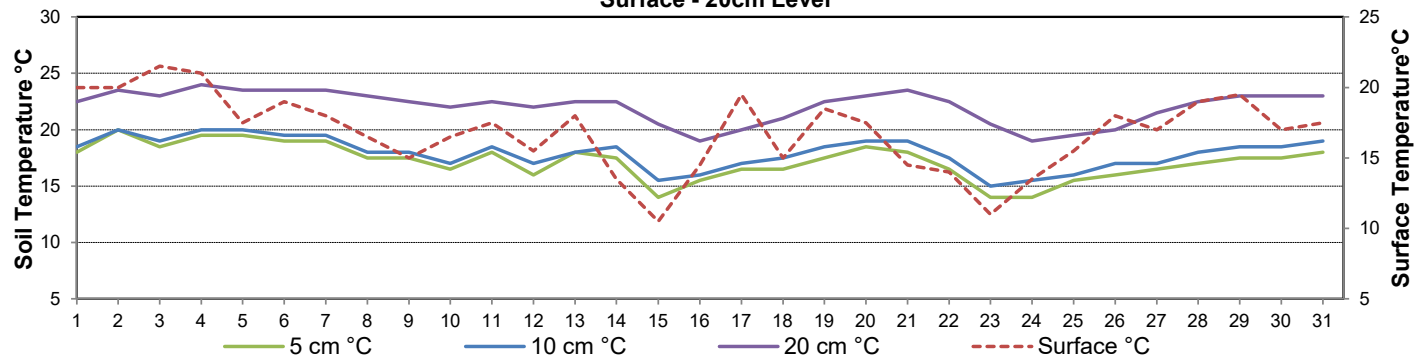
Wind Speed for August 2025



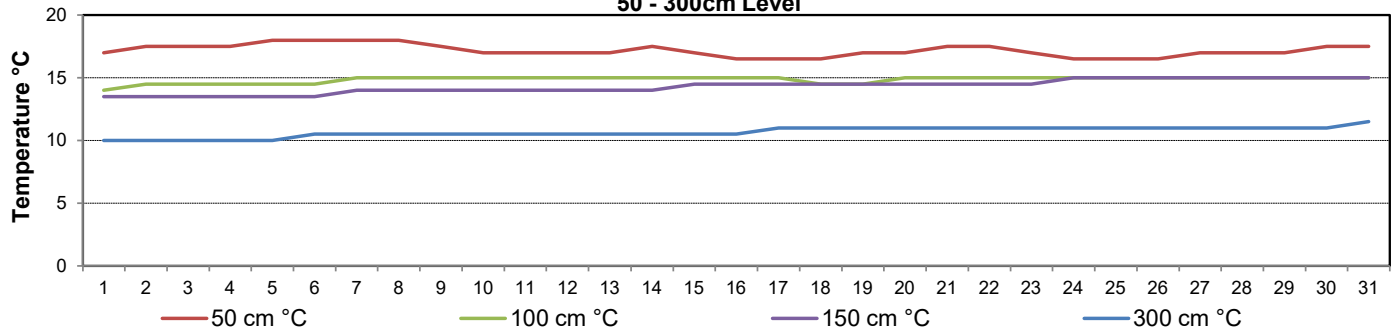
Bright Sunshine, Global and Diffuse Radiation for August 2025



Soil Temperatures for August 2025
Surface - 20cm Level



Soil Temperatures for August 2025
50 - 300cm Level





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

Preliminary AUGUST 2025

Extreme Records for August

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	No. of Days
39.7	06/1998	SRC	39.7	06/1998	229.8	1953	SF	105.2	2007	151 ^W	14/1967	129	1985	31
-2.8	23/1901	SM SRC	-2.8	28/1976	0.0	1986	SC	7.0	2001					27
	28/1976													1966*
														1992*

**1975 forward * more than one year

Notable Events for CRS Saskatoon - August						Saskatoon Area Stations			Glossary	
Element	Type	Day	New Record	Old Record	Year	SM	NWMP	c. 1892-1901	T	Trace of precipitation
						SE	Eby	1901-1941	Normal	30 year average beginning with the decade
						US	Univ. of Sask.	1915-1964	SOG	Depth of snow-on-the-ground in cm
						S	Saskatoon	1941-1942	na	not available
						SA	Saskatoon A	1942 -	Degree-days	
						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		

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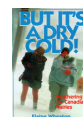
August

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	10.0	16.3	33.3	14.5	2.5	16.5												
2	8.0	14.6	24.7	13.5	2.5	16.0												
3	11.0	19.2	32.7	13.0	2.5	15.5												
4	12.0	20.6	31.6	12.5	2.5	15.0												
5	7.0	13.5	31.6	25.0	2.5	15.0												
6	8.0	12.9	21.8	21.5	2.5	15.0												
7	11.0	19.4	29.8	19.0	2.5	15.0												
8	6.0	16.3	34.4	30.0	3.0	26.0												
9	11.0	20.5	31.0	32.0	4.0	25.0												
10	9.0	16.5	28.1	26.0	3.5	25.5												
11	13.0	20.8	32.1	23.5	3.5	24.5												
12	5.0	11.0	17.7	21.5	3.0	24.0												
13	10.0	19.4	35.0	20.5	3.0	24.0												
14	18.0	27.0	43.1	22.5	3.0	23.5												
15	8.0	13.1	22.4	20.0	3.0	23.5												
16	19.0	25.3	40.8	19.5	3.0	22.5												
17	9.0	19.5	33.3	18.5	3.0	22.5												
18	6.0	12.7	21.2	17.5	3.0	22.5												
19	7.0	13.0	23.5	17.0	3.0	22.0												
20	8.0	18.2	62.7	16.5	3.0	22.0												
21	16.0	24.3	40.2	16.0	3.0	22.0												
22	15.0	24.1	39.6	15.5	2.5	22.0												
23	5.0	11.7	24.7	15.0	2.5	21.5												
24	6.0	9.7	21.8	14.5	2.5	21.0												
25	8.0	13.9	28.7	14.0	2.5	21.0												
26	4.0	8.5	17.2	13.5	2.5	20.5												
27	4.0	7.4	20.0	12.5	2.5	20.5												
28	6.0	10.2	20.6	12.5	2.5	20.0												
29	6.0	13.6	23.5	12.0	2.5	19.5												
30	5.0	13.2	39.6	11.0	2.0	19.0												
31	4.0	24.0	24.0	10.5	2.0	18.5												
Total																		
Mean				18	3	20.7												
Extreme	19.0	27.0	62.7	32	4	26												
Date	16	14	20	9	9	8												

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

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

