



SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

SASKATOON STATION 4057180

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

Preliminary

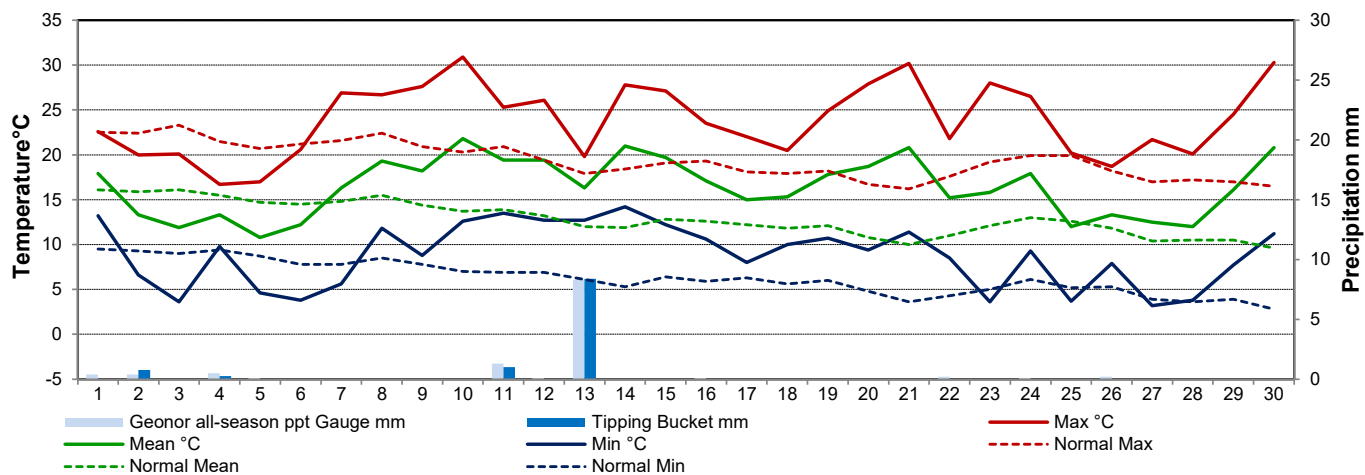
SEPTEMBER 2025

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	22.6	22.5	13.2	9.5	17.9	16.1	12.9	0.1	0.0	0.4	0.0		87	54	1022	1016
2	20.0	22.4	6.6	9.3	13.3	15.9	8.3	4.7	0.0	0.4	0.8		92	34	1024	1022
3	20.1	23.3	3.6	9.0	11.9	16.1	6.9	6.1	0.0	0.0	0.0		86	35	1024	1005
4	16.7	21.5	9.8	9.4	13.3	15.5	8.3	4.7	0.0	0.5	0.3		71	43	1018	1005
5	17.0	20.7	4.6	8.7	10.8	14.7	5.8	7.2	0.0	0.1	0.0		86	33	1020	1017
6	20.6	21.2	3.8	7.8	12.2	14.5	7.2	5.8	0.0	0.0	0.0		81	28	1020	1017
7	26.9	21.6	5.6	7.8	16.3	14.8	11.3	1.7	0.0	0.0	0.0		75	17	1017	1009
8	26.7	22.4	11.8	8.5	19.3	15.5	14.3	0.0	1.3	0.0	0.0		77	30	1014	1009
9	27.6	20.9	8.8	7.8	18.2	14.4	13.2	0.0	0.2	0.0	0.0		90	30	1015	1013
10	30.9	20.3	12.6	7.0	21.8	13.7	16.8	0.0	3.8	0.0	0.0		70	21	1014	1012
11	25.3	20.9	13.5	6.9	19.4	13.9	14.4	0.0	1.4	1.3	1.0		84	45	1013	1011
12	26.1	19.4	12.7	6.9	19.4	13.2	14.4	0.0	1.4	0.1	0.0		93	50	1015	1013
13	19.8	17.9	12.7	6.1	16.3	12.0	11.3	1.7	0.0	8.3	8.4		92	75	1015	1010
14	27.8	18.4	14.2	5.3	21.0	11.9	16.0	0.0	3.0	0.0	0.0		93	41	1010	1007
15	27.1	19.1	12.2	6.4	19.7	12.8	14.7	0.0	1.7	0.0	0.0		91	46	1016	1008
16	23.5	19.3	10.6	5.9	17.1	12.6	12.1	0.9	0.0	0.1	0.0		89	38	1024	1016
17	22.0	18.1	8.0	6.3	15.0	12.2	10.0	3.0	0.0	0.0	0.0		94	38	1025	1020
18	20.5	17.9	10.0	5.6	15.3	11.8	10.3	2.7	0.0	0.0	0.0		91	59	1022	1018
19	24.9	18.2	10.7	6.0	17.8	12.1	12.8	0.2	0.0	0.0	0.0		89	38	1018	1013
20	27.9	16.7	9.4	4.8	18.7	10.8	13.7	0.0	0.7	0.0	0.0		89	27	1013	1005
21	30.2	16.2	11.4	3.6	20.8	10.0	15.8	0.0	2.8	0.0	0.0		80	19	1005	999
22	21.8	17.6	8.5	4.3	15.2	11.0	10.2	2.8	0.0	0.2	0.0		67	26	1017	1001
23	28.0	19.2	3.6	5.0	15.8	12.1	10.8	2.2	0.0	0.0	0.0		73	16	1019	1016
24	26.5	19.9	9.3	6.1	17.9	13.0	12.9	0.1	0.0	0.1	0.0		70	24	1019	1010
25	20.2	19.9	3.7	5.2	12.0	12.6	7.0	6.0	0.0	0.0	0.0		85	25	1020	1003
26	18.7	18.2	7.9	5.3	13.3	11.8	8.3	4.7	0.0	0.2	0.0		83	22	1008	997
27	21.7	17.0	3.2	3.9	12.5	10.4	7.5	5.5	0.0	0.0	0.0		72	15	1009	1007
28	20.1	17.2	3.8	3.6	12.0	10.5	7.0	6.0	0.0	0.0	0.0		78	26	1019	1006
29	24.5	17.0	7.7	3.9	16.1	10.5	11.1	1.9	0.0	0.0	0.0		64	27	1019	1012
30	30.3	16.5	11.2	2.8	20.8	9.6	15.8	0.0	2.8	0.0	0.0		66	28	1012	1000
Total							341.1	68.0	19.1	11.7	10.4		Extreme / Date	Extreme / Date	Extreme / Date	Extreme / Date
Avg	23.9	19.4	8.8	6.3	16.4	12.9	1991-2020 Normal			33.4	1991-2020 Normal					
Extreme	30.9		3.2				238.0	163.6	9.6	324.6	Year to date 2024 Cumulative		94	15	1025	997
Date	10		27							308.2	Year to date Cumulative Normal		17	27	17	26
Note: Red numbers indicate manual calculation; Red cell indicate data not available										It has not been corrected for wind speed.						

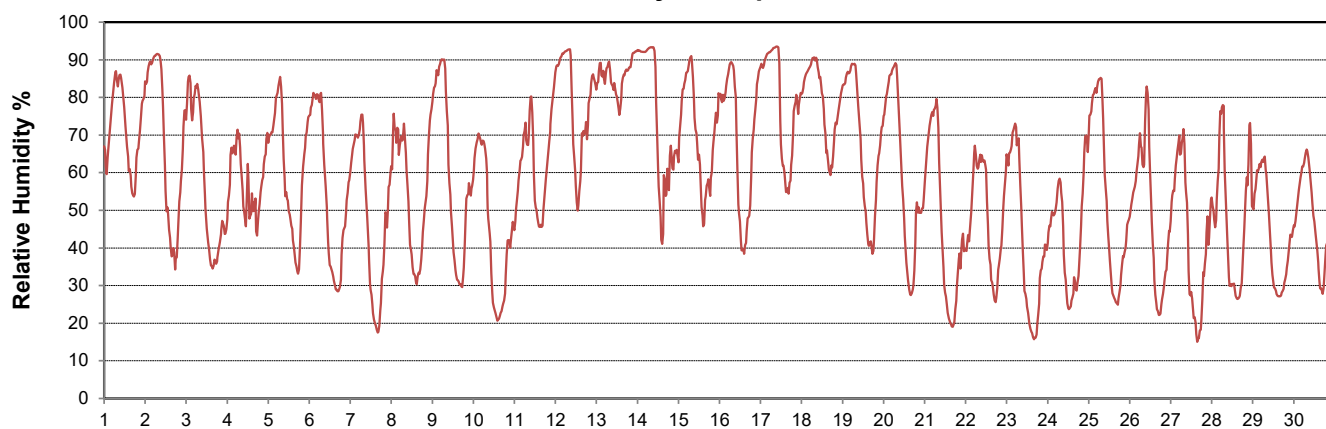
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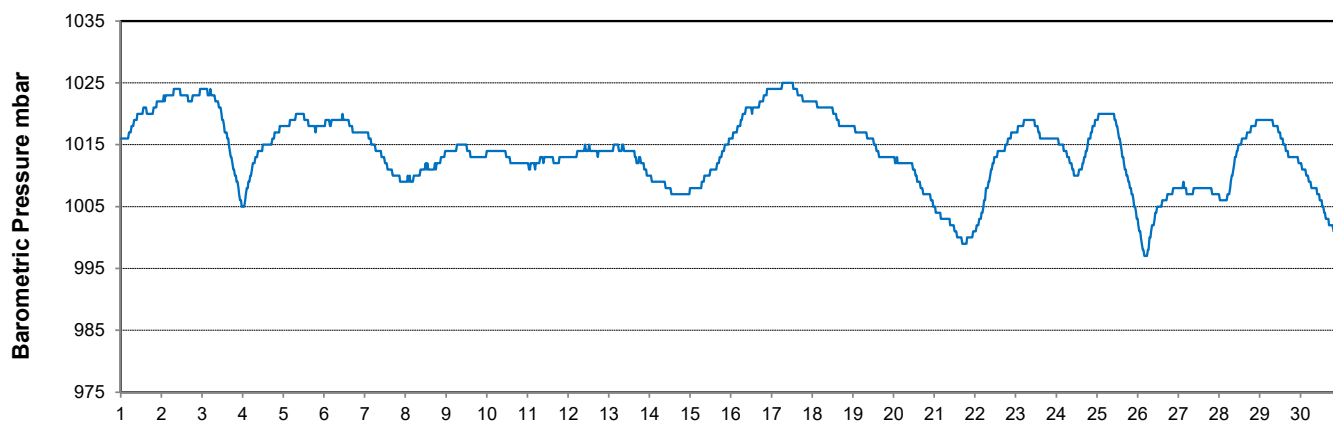
Temperature and Precipitation for September 2025



Relative Humidity for September 2025



Barometric Pressure Corrected to Sea Level for September 2025





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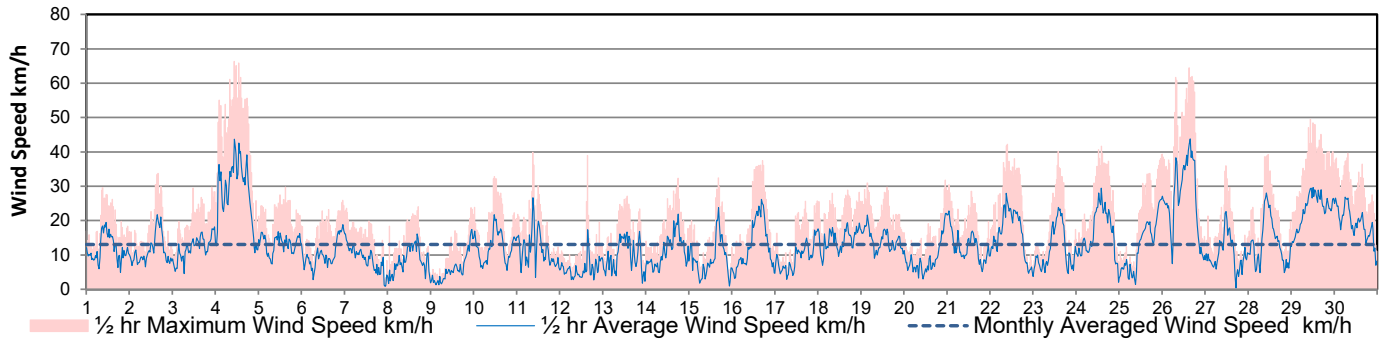
SEPTEMBER 2025

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	29.5	N	9:15	11.8	16.5	17.5	18.5	23.5	17.5	15.0	15.0	11.5	5.3	13.6	39.1	10.4	7.4
2	33.7	NNW	16:05	11.2	11.0	16.0	17.0	22.0	17.5	15.0	15.5	11.5	7.2	13.5	53.3	13.6	8.7
3	29.7	S	22:25	12.0	8.5	12.5	14.0	20.0	17.0	15.0	15.5	11.5	10.0	13.4	74.4	14.9	8.4
4	66.3	NNW	10:48	28.5	13.0	14.5	15.0	18.0	16.0	15.0	16.0	11.5	4.9	13.4	36.6	11.4	6.3
5	29.7	N	15:26	13.2	9.5	11.5	13.0	16.5	16.0	15.0	16.0	11.5	12.0	13.3	90.2	18.1	5.3
6	25.8	SE	23:28	10.2	9.5	11.0	12.5	15.5	15.5	15.0	16.5	11.5	12.5	13.2	94.4	18.8	3.0
7	23.6	SE	1:00	8.9	10.0	12.0	13.0	15.5	15.0	14.5	16.5	11.5	10.3	13.2	78.1	16.5	5.8
8	24.0	NNW	17:05	8.3	15.0	14.5	15.0	16.5	15.0	14.5	17.0	11.5	10.4	13.1	79.3	15.8	5.8
9	23.7	SE	22:55	5.9	14.0	13.5	14.5	17.0	15.5	14.5	17.5	11.5	11.9	13.1	91.2	17.1	4.0
10	32.7	S	11:32	12.3	17.0	15.0	16.0	17.5	15.5	14.5	17.5	11.5	9.5	13.0	73.2	14.7	5.7
11	39.9	NNW	9:09	11.5	17.0	16.0	17.0	18.5	15.5	14.5	17.5	11.5	5.1	12.9	39.5	11.2	5.1
12	38.9	ENE	13:44	6.0	14.5	16.0	16.5	18.5	16.0	14.5	17.5	11.5	5.1	12.9	39.7	9.2	3.4
13	27.1	SE	15:36	9.7	15.5	15.5	16.5	18.0	16.0	14.5	17.5	11.5	1.0	12.8	7.8	5.1	4.4
14	32.3	E	18:10	11.1	14.5	16.5	17.0	17.5	16.0	14.5	17.5	11.5	6.9	12.7	54.3	13.3	5.0
15	32.4	N	16:48	8.8	15.0	15.5	16.5	18.5	16.0	14.5	17.5	11.5	10.6	12.7	83.8	13.8	5.5
16	37.4	NNE	17:06	12.8	14.5	15.5	16.0	18.0	16.0	14.5	17.5	11.5	9.7	12.6	77.1	15.1	3.3
17	25.7	SE	23:51	9.1	10.0	13.0	14.5	16.5	16.0	14.5	18.0	11.5	5.0	12.5	40.0	11.1	6.7
18	28.9	SE	16:53	14.4	12.0	14.0	14.5	16.0	15.5	14.5	18.0	11.5	1.7	12.5	13.7	5.9	4.8
19	30.9	SE	3:57	14.4	13.5	13.5	14.5	15.5	15.5	14.5	18.0	11.5	9.7	12.4	78.4	13.6	5.1
20	31.8	SE	23:13	8.9	12.0	13.5	14.5	16.0	15.5	14.5	18.0	11.5	11.5	12.3	93.4	14.8	2.5
21	30.3	SE	1:15	12.5	14.0	14.5	15.5	16.5	15.5	14.5	18.0	11.5	11.5	12.3	93.9	14.8	2.7
22	42.2	NW	9:43	16.2	15.5	14.5	15.5	16.5	15.5	14.0	18.0	11.5	9.2	12.2	75.5	12.7	4.2
23	40.1	SW	14:17	11.7	10.5	11.0	12.5	15.0	15.5	14.0	18.0	11.5	11.4	12.1	94.1	15.0	2.1
24	41.6	WNW	14:18	16.3	15.0	13.0	14.0	15.0	15.0	14.0	18.5	11.5	11.2	12.1	92.9	14.5	2.2
25	39.2	SE	23:53	12.5	7.0	10.5	12.0	14.5	15.0	14.0	18.5	11.5	11.4	12.0	95.2	14.1	2.3
26	64.4	NW	15:23	26.4	11.5	12.0	13.0	14.0	14.5	14.0	18.5	11.5	6.9	11.9	57.9	10.6	3.8
27	35.9	NW	11:31	10.3	8.5	9.5	11.0	12.5	14.0	14.0	18.5	11.5	9.2	11.9	77.6	12.3	4.3
28	39.2	NNE	11:11	13.7	11.0	10.0	11.5	13.0	13.5	14.0	18.5	11.5	11.2	11.8	95.1	13.7	1.6
29	49.5	SE	10:37	23.1	10.0	10.5	11.5	12.0	13.5	13.5	18.5	11.5	11.0	11.7	93.9	12.6	3.0
30	39.6	SE	7:46	19.3	12.5	12.0	13.0	13.5	13.5	13.5	18.5	11.5	10.2	11.7	87.6	12.6	2.0
Total													263.5	378.4	69.6	397.3	134.4
Mean				13.0	12.6	13.5	14.5	16.6	15.5	14.4	17.5	11.5	1991-2020 Normal				
Extreme	66.3	NNW	10:48		1971- 2000 Normal for Soil Temperatures								214.7	378.9	56.7	373.1	120.9
Date	4					10.5	11.0	12.5	13.2	12.4	11.7	9.9	No. of Bright Sunshine days = 30				

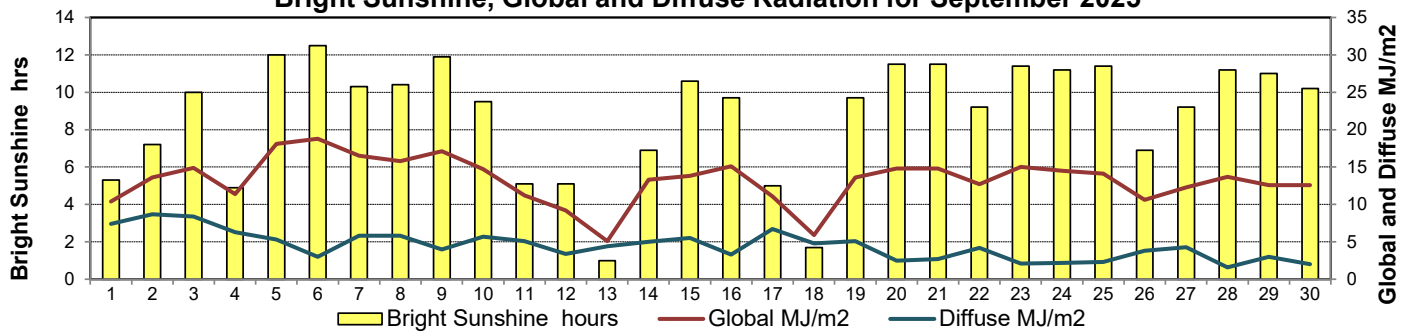
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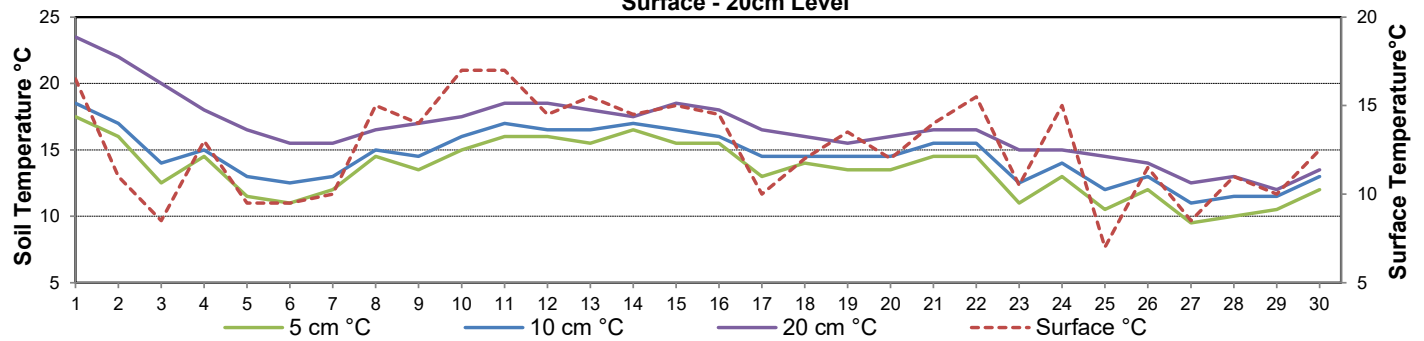
Wind Speed for September 2025



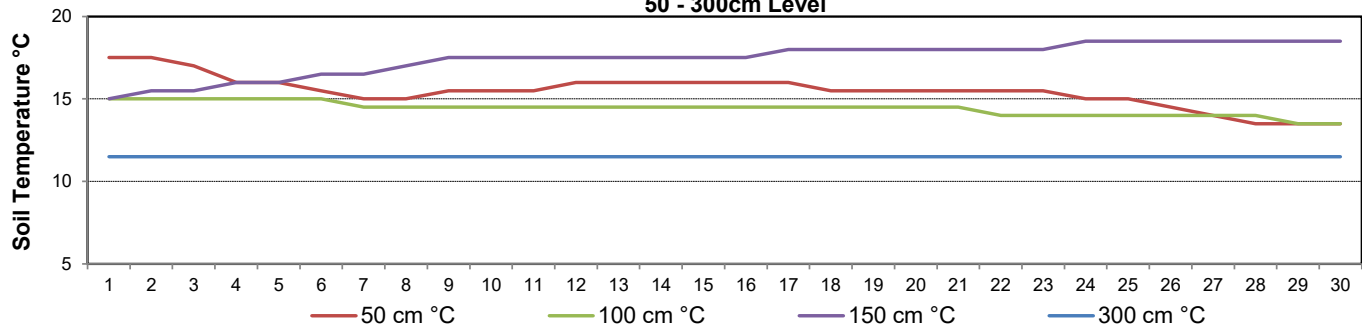
Bright Sunshine, Global and Diffuse Radiation for September 2025



Soil Temperatures for September 2025
Surface - 20cm Level



Soil Temperatures for September 2025
50 - 300cm Level





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Preliminary SEPTEMBER 2025

Extreme Records for September

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
36.1	22/1950	SF	35.9	04/2022	128.8	2006	SWT	128.4	2006	148 ^W	22/1967	89	1986	302.2	2011	30	1966*
-11.1	28,30/1908,'61	SE SF	-7.8	30/1974	0.6	1995	SA	0.8	1995, 2012					114.6	1986	20	1984

**1975 forward

* more than one year

Notable Events for CRS Saskatoon - September						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		
									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				
						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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September

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	8.0	14.5	22	10.0	2.0	18.0												
2	7.0	16.7	25	10.0	2.0	18.0												
3	8.0	12.6	25	9.5	2.0	17.5												
4	21.0	31.6	54	9.5	2.0	17.0												
5	10.0	13.2	23	9.5	2.0	16.5												
6	7.0	12.5	28	8.5	2.0	16.5												
7	5.0	10.8	18	8.5	2.0	15.5												
8	4.0	12.0	19	9.0	2.0	15.0												
9	3.0	11.8	19	8.5	2.0	15.0												
10	7.0	13.6	25	8.5	2.0	14.5												
11	7.0	18.6	31	8.0	2.0	14.0												
12	2.0	12.7	30	8.5	2.0	14.0												
13	7.0	12.4	21	8.0	2.0	13.5												
14	6.0	15.0	24	15.0	2.0	13.5												
15	5.0	17.2	24	14.5	2.0	13.5												
16	8.0	18.7	30	13.5	2.0	13.5												
17	5.0	12.3	21	12.0	2.0	14.0												
18	11.0	14.5	24	11.5	2.0	13.5												
19	9.0	14.7	25	11.0	1.5	13.5												
20	5.0	15.7	24	10.5	1.5	14.0												
21	8.0	16.1	25	10.0	1.5	13.0												
22	11.0	19.5	32	9.5	1.5	13.5												
23	8.0	17.7	31	8.5	1.5	13.0												
24	11.0	20.8	32	8.5	1.5	13.5												
25	8.0	18.2	32	7.5	1.5	12.5												
26	18.0	30.0	48	8.0	1.5	13.0												
27	7.0	16.4	29	7.0	1.5	12.5												
28	9.0	19.5	34	7.0	1.5	12.5												
29	16.0	20.4	39	7.0	1.5	12.0												
30	13.0	19.6	32	7.0	1.5	12.0												
Total																		
Mean				10	2	14.3												
Extreme	21.0	31.6	53.5	15	2	18												
Date	4	4	4	14	1	1												

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

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WHEN MEASUREMENTS MATTER

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

