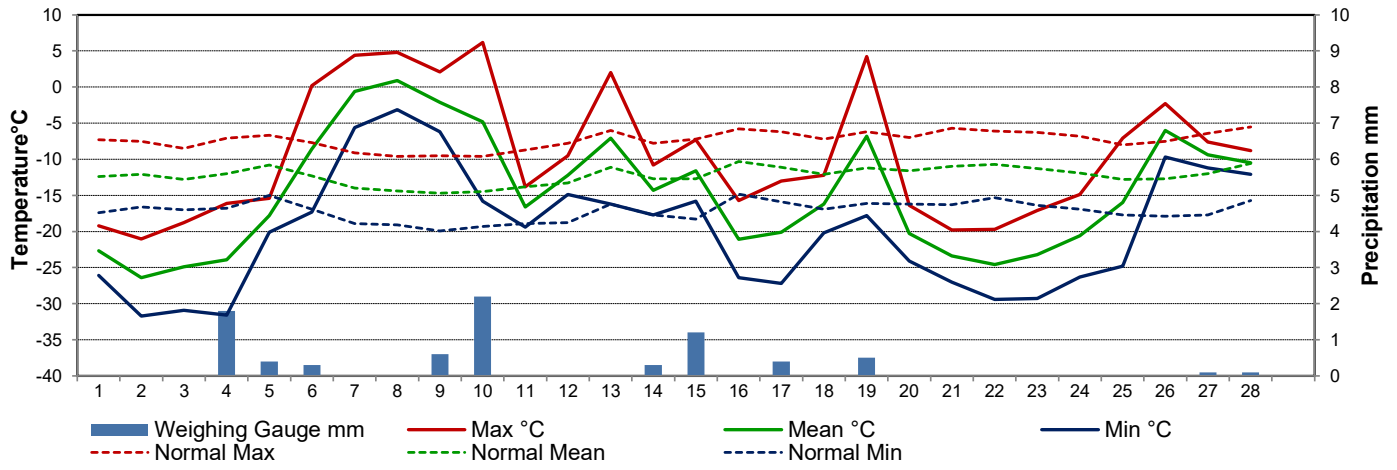
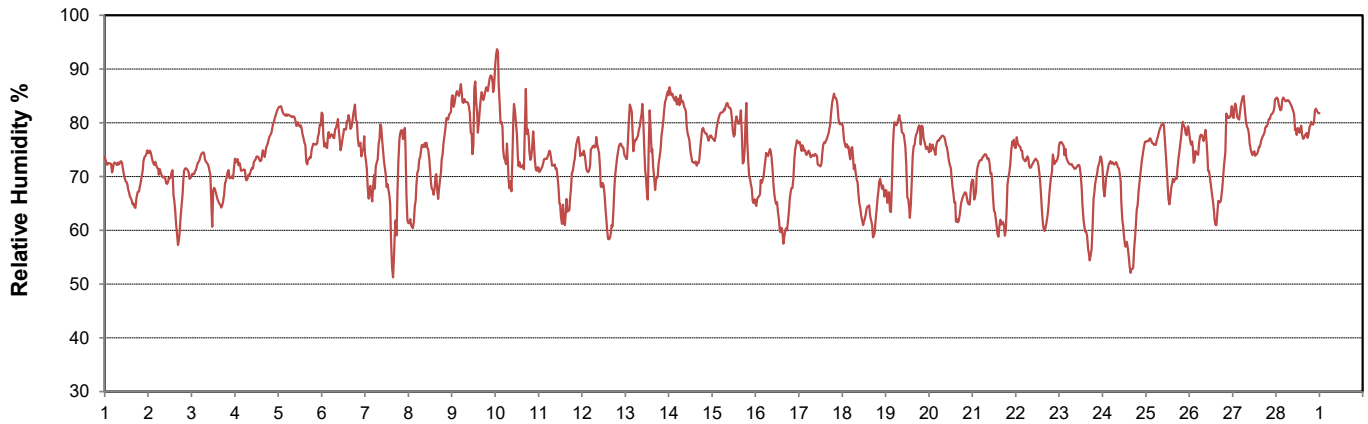


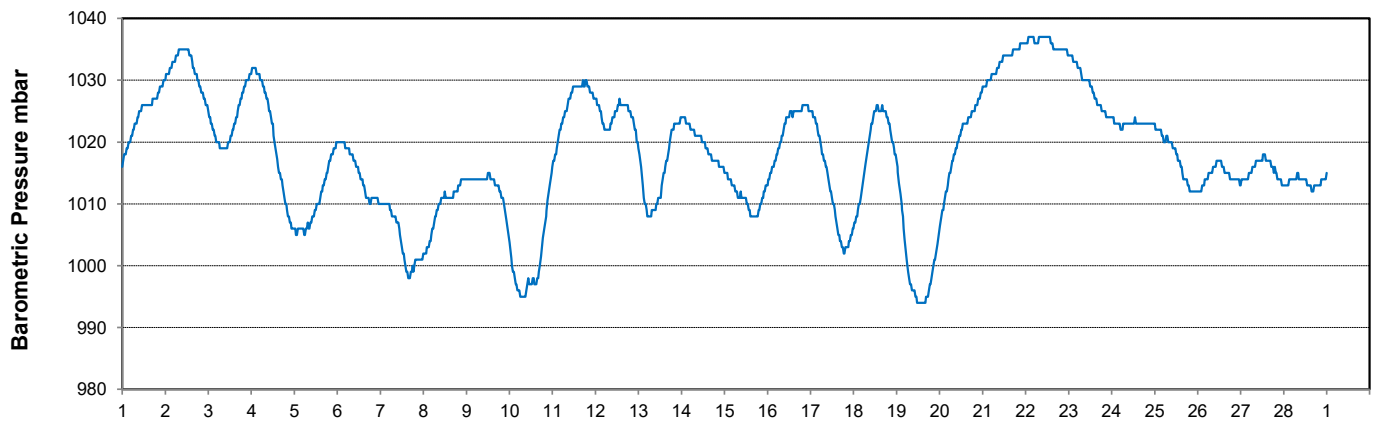
Temperature and Precipitation for February 2022



Relative Humidity for February 2022



Barometric Pressure Corrected to Sea Level for February 2022





SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

SASKATOON STATION 4057180

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

Preliminary **FEBRUARY 2022**

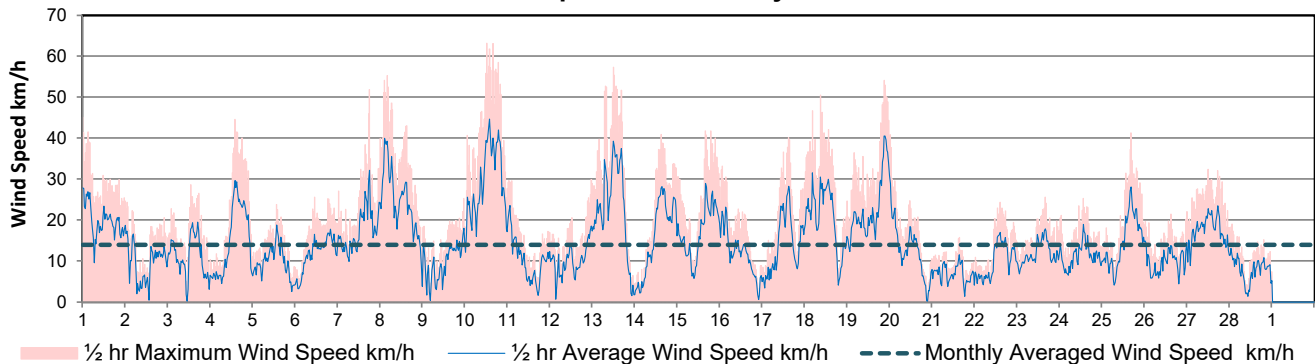
Day	Wind Gust			Wind Speed (10 meters) Daily Average	Soil Temperatures at 0900hrs								Radiation				
	Max	Direction	Time		Surface	5 cm	10 cm	20 cm	50 cm	100 cm	150 cm	300 cm	Bright Sunshine	Possible	% Possible	Global	Diffuse
	km/h				°C	°C	°C	°C	°C	°C	°C	°C	hours	hours		MJ/m ²	MJ/m ²
1	41.5	NNW	2:46	19.9	-21.5	-4.0	-3.5	-3.0	-1.5	1.0	2.5	5.0	8.8	9.1	96.4	6.9	1.9
2	24.3	NW	0:45	9.4	-28.5	-4.0	-3.5	-3.0	-1.5	1.5	2.5	5.0	8.8	9.2	95.8	8.2	3.5
3	28.6	NNW	12:39	11.1	-24.0	-4.5	-4.0	-3.0	-1.0	1.5	2.5	5.0	8.9	9.3	96.2	9.0	4.1
4	44.5	SE	13:54	15.0	-27.0	-5.0	-4.5	-3.5	-1.5	1.5	2.5	5.0	0.0	9.3	0.0	3.3	3.3
5	23.8	NNE	13:24	9.9	-14.5	-5.5	-5.0	-4.0	-1.5	1.5	2.5	5.0	1.2	9.4	12.8	4.6	4.3
6	25.5	SSE	10:39	11.9	-14.5	-5.5	-5.0	-4.0	-1.5	1.0	2.5	5.0	2.5	9.4	26.5	3.9	3.6
7	51.8	WNW	17:30	17.7	-7.5	-5.5	-5.0	-4.0	-2.0	1.0	2.5	4.5	4.5	9.5	47.4	5.8	4.4
8	55.3	NW	3:39	24.4	0.0	-5.0	-4.5	-4.0	-2.0	1.0	2.5	4.5	4.4	9.6	46.1	5.5	4.5
9	25.3	SSW	23:05	9.6	-7.0	-4.0	-4.0	-3.5	-1.5	1.0	2.5	4.5	1.5	9.6	15.6	4.2	3.9
10	63.1	NW	12:28	29.4	3.0	-3.5	-3.5	-3.0	-1.5	1.0	2.5	4.5	4.4	9.7	45.5	6.2	2.5
11	29.6	NE	0:32	10.3	-19.0	-1.0	-1.0	-2.0	-1.5	1.0	2.5	4.5	6.3	9.7	64.7	6.8	3.5
12	29.8	S	11:49	10.2	-16.0	-0.5	-0.5	-1.0	-1.0	1.0	2.5	4.5	9.0	9.8	91.8	8.3	1.8
13	57.3	NW	23:22	22.7	-5.5	-1.5	-1.0	-1.0	-0.5	1.0	2.5	4.5	4.8	9.9	48.7	4.9	2.8
14	40.9	SE	14:31	15.9	-16.0	-1.5	-1.5	-1.5	-0.5	1.5	2.5	4.5	3.2	9.9	32.3	5.8	5.3
15	41.8	NW	15:58	17.0	-12.5	-2.5	-2.0	-2.0	-0.5	1.5	2.5	4.5	2.0	10.0	20.0	5.8	5.3
16	33.2	NNW	1:28	11.7	-17.0	-2.5	-2.5	-2.0	-0.5	1.5	2.5	4.5	9.6	10.1	95.5	9.8	2.5
17	40.1	SE	14:39	14.2	-19.0	-3.5	-3.0	-2.0	-0.5	1.5	2.5	4.5	1.5	10.1	14.8	5.8	5.7
18	50.5	NNW	8:34	20.5	-14.0	-4.5	-3.5	-3.0	-0.5	1.5	2.5	4.5	8.8	10.2	86.4	8.9	3.8
19	54.1	NNE	20:56	22.9	-10.5	-4.5	-4.0	-3.0	-1.0	1.5	2.5	4.5	0.5	10.3	4.9	4.7	4.6
20	40.8	NE	0:18	12.5	-13.5	-4.5	-4.0	-3.0	-1.0	1.5	2.5	4.5	7.8	10.3	75.7	8.8	6.9
21	15.7	NE	15:00	6.8	-15.5	-4.5	-4.0	-3.5	-1.0	1.5	2.5	4.5	9.5	10.4	91.5	10.4	3.7
22	24.3	W	14:06	10.0	-19.0	-5.5	-4.5	-3.5	-1.0	1.5	2.5	4.5	10.2	10.4	97.7	10.6	4.0
23	25.5	SW	15:45	11.9	-18.5	-6.0	-5.5	-4.0	-1.5	1.5	2.5	4.5	10.0	10.5	95.1	11.8	4.6
24	25.3	SSW	13:10	11.3	-17.0	-6.5	-6.0	-4.5	-1.5	1.0	2.5	4.5	9.8	10.6	92.6	11.2	3.1
25	41.3	SW	16:02	14.9	-15.5	-7.0	-6.0	-5.0	-2.0	1.0	2.5	4.5	9.0	10.6	84.6	11.0	2.7
26	22.1	ESE	23:47	9.8	-10.0	-6.5	-6.0	-5.0	-2.0	1.0	2.5	4.0	5.6	10.7	52.3	8.7	6.4
27	32.4	ESE	11:46	17.5	-8.5	-6.0	-5.5	-5.0	-2.0	1.0	2.0	4.0	0.0	10.8	0.0	6.7	6.5
28	19.1	E	1:00	7.9	-9.0	-5.5	-5.0	-4.5	-2.0	1.0	2.0	4.0	0.0	10.8	0.0	6.0	6.0
Total													152.6	279.1	54.7	203.6	115.2
Mean				14.5	-14.2	-4.3	-3.9	-3.2	-1.3	1.3	2.5	4.6	1991-2020 Normal				
Extreme	63.1	NW	12:28		1971- 2000 Normal for Soil Temperatures								139.6	281.6	49.6	209.1	100.9
Date	10				-7.0	-6.7	-6.1	-3.5	-0.8	0.8	3.4	No. of Bright Sunshine days = 25					

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

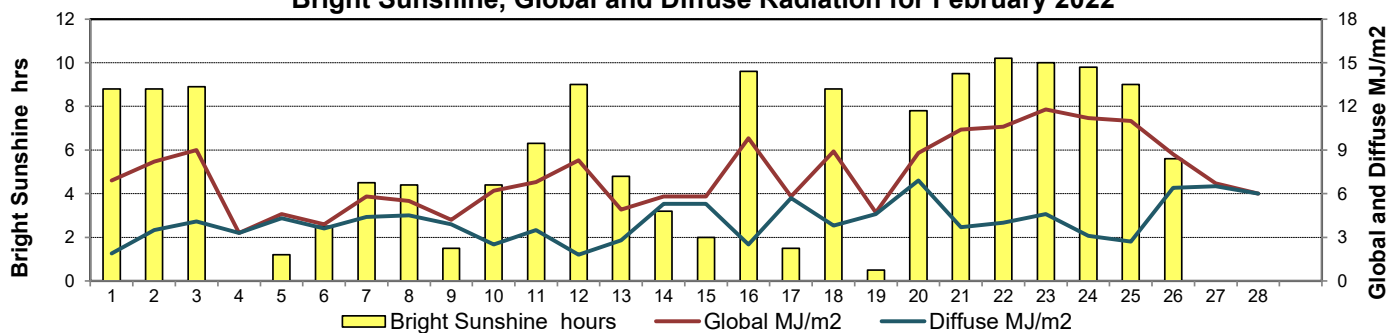
SRC proudly recognizes the following CRS supporters:



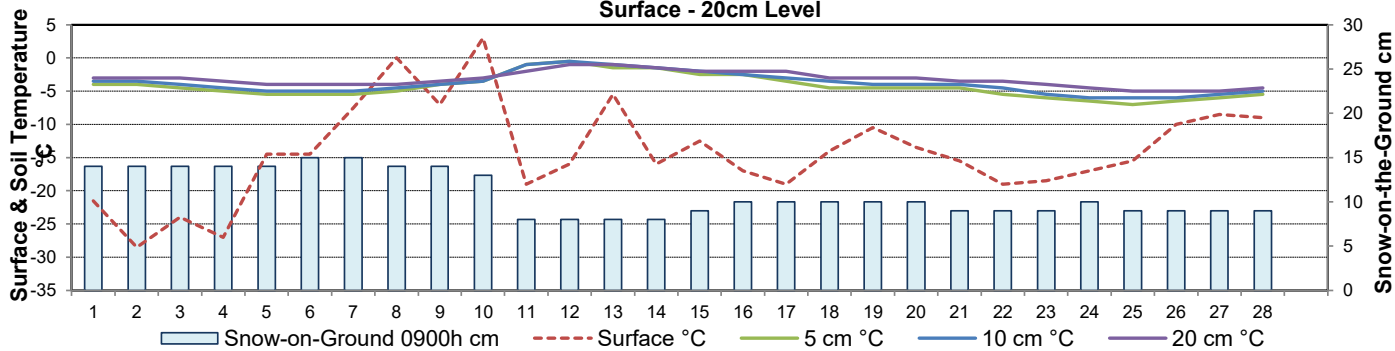
Wind Speed for February 2022



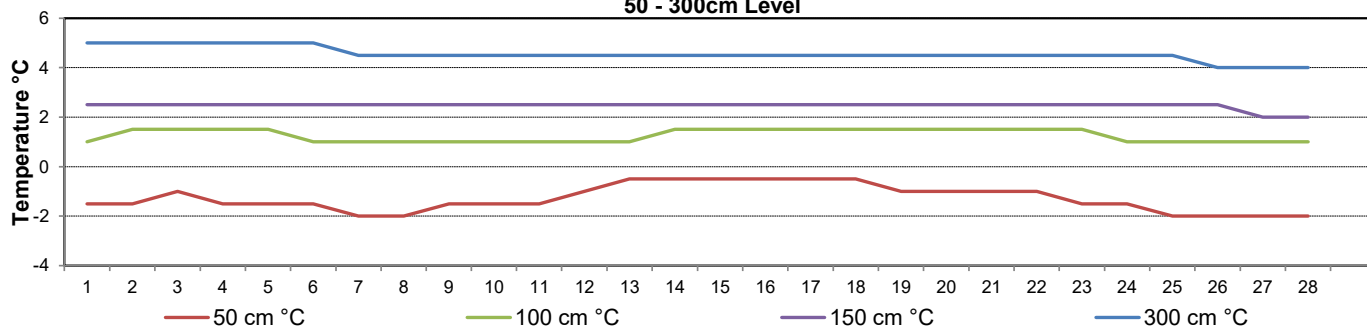
Bright Sunshine, Global and Diffuse Radiation for February 2022



Soil Temperatures for February 2022
Surface - 20cm Level



Soil Temperatures for February 2022
50 - 300cm Level





SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

SASKATOON STATION 4057180

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

Preliminary **FEBRUARY 2022**

Extreme Records for February

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
12.8	19/1931	SE	9.0	16/2017	43.7	1924	SE	40.2	1979	106 ^N	22/1988	82.3 ^{NNW}	10/2004	191.5	2021	28	1978,84,2021
-50.0	01/1893	SM	-41.1	06/1972	0.0	multiply sites			1.9	2012				57.6	1983	17	1983&98

**1975 forward * more than one year

Notable Events for CRS Saskatoon - February						Saskatoon Area Stations			Glossary	
Element	Type	Day	New Record	Old Record	Year	Station	Location	Period	Term	Definition
Temperature	Highest Maximum Daily	10	6.2	4.0	1987	SM	NWMP	c. 1892-1901	T	Trace of precipitation
	Highest Minimum Daily	8	-3.1	-3.5	1987	SE	Eby	1901-1941	Normal	30 year average beginning with the decade
	Highest Mean Daily	8	0.9	0.3	1976	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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SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

SASKATOON STATION 4057180

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

Preliminary February 2022

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	16.0	23.0	35.0	n/a	6.5	6.5												
2	7.0	14.1	21.2	n/a	6.0	6.5												
3	9.0	16.3	25.2	n/a	6.0	6.5												
4	12.0	23.6	37.9	n/a	5.5	7.0												
5	9.0	16.0	20.6	n/a	6.0	6.5												
6	9.0	15.1	24.7	n/a	5.5	6.0												
7	14.0	26.4	43.1	n/a	5.5	6.5												
8	20.0	33.0	46.5	n/a	6.0	7.0												
9	8.0	15.6	21.8	n/a	6.0	6.5												
10	24.0	36.4	53.5	n/a	6.5	6.5												
11	9.0	19.0	25.8	n/a	6.0	7.5												
12	8.0	12.8	24.1	n/a	6.0	7.5												
13	17.0	32.3	47.7	n/a	6.5	7.5												
14	13.0	24.1	35.6	n/a	6.0	7.5												
15	14.0	23.8	37.3	n/a	6.0	7.0												
16	10.0	18.6	28.1	n/a	6.0	6.5												
17	11.0	21.6	37.3	n/a	5.5	7.0												
18	17.0	25.4	41.4	n/a	5.0	7.0												
19	18.0	31.5	44.2	n/a	5.0	6.5												
20	10.0	23.6	32.7	n/a	5.5	6.5												
21	5.0	10.2	14.9	n/a	5.5	6.5												
22	8.0	14.5	21.2	n/a	5.0	6.5												
23	9.0	16.0	24.1	n/a	5.0	6.5												
24	8.0	16.5	23.5	n/a	5.5	6.5												
25	12.0	24.4	34.4	n/a	5.0	6.0												
26	8.0	13.1	19.5	n/a	5.5	6.0												
27	15.0	20.1	29.3	n/a	5.5	6.0												
28	7.0	10.6	17.7	n/a	5.5	6.5												
29																		
30																		
31																		
Total																		
Mean				#DIV/0!	6	6.7												
Extreme	24.0	36.4	53.5	0	6.5	7.5												
Date	10	10	10	#N/A	1	11												

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

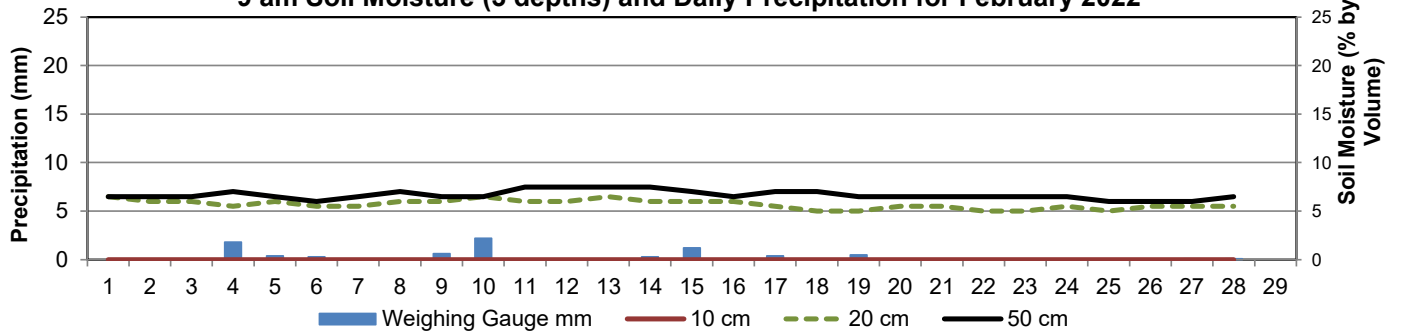
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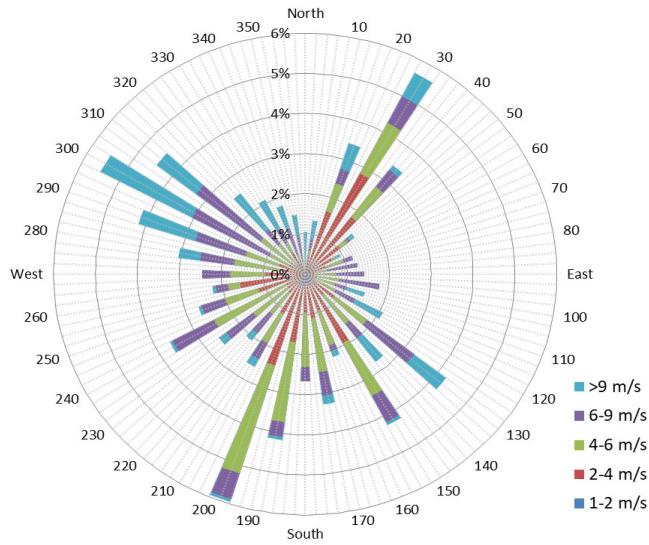
Agriculture and Agri-Food Canada / Agriculture et Agroalimentaire Canada



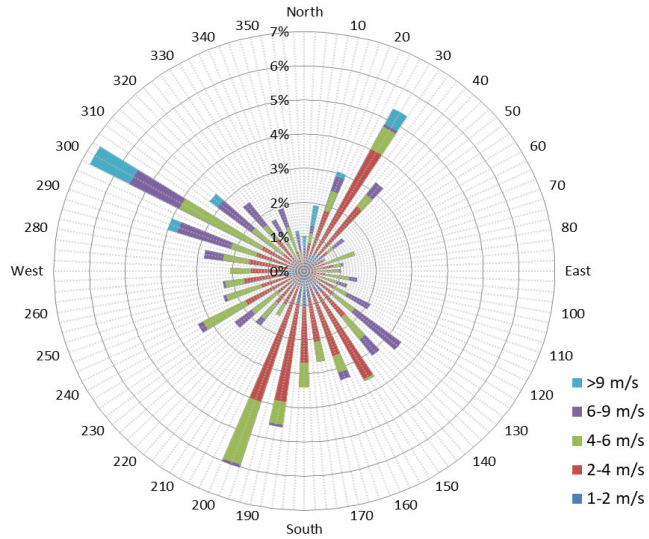
9 am Soil Moisture (3 depths) and Daily Precipitation for February 2022



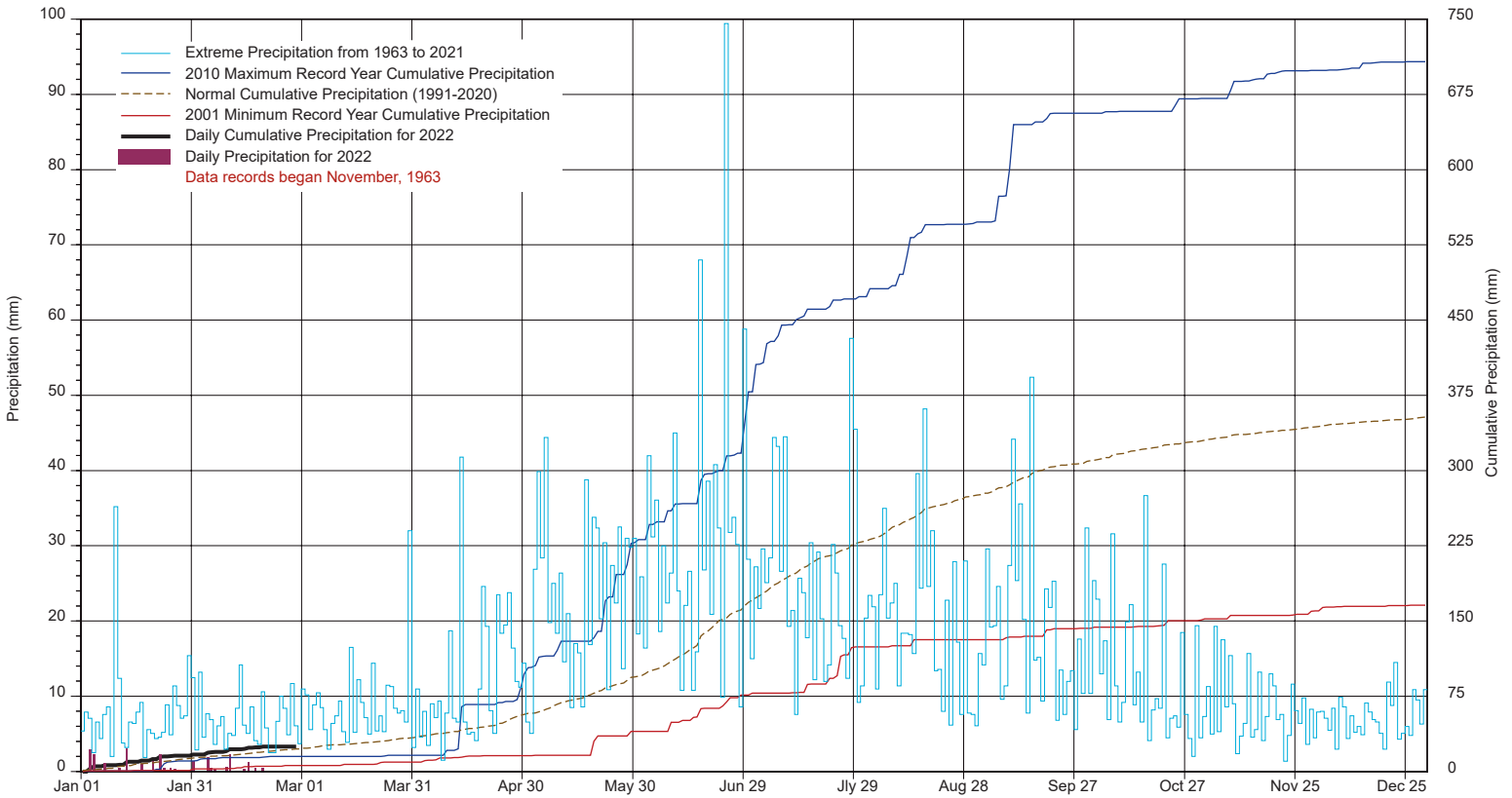
1/2 hr Maximum Wind Speed and Direction Saskatoon Feb 2022



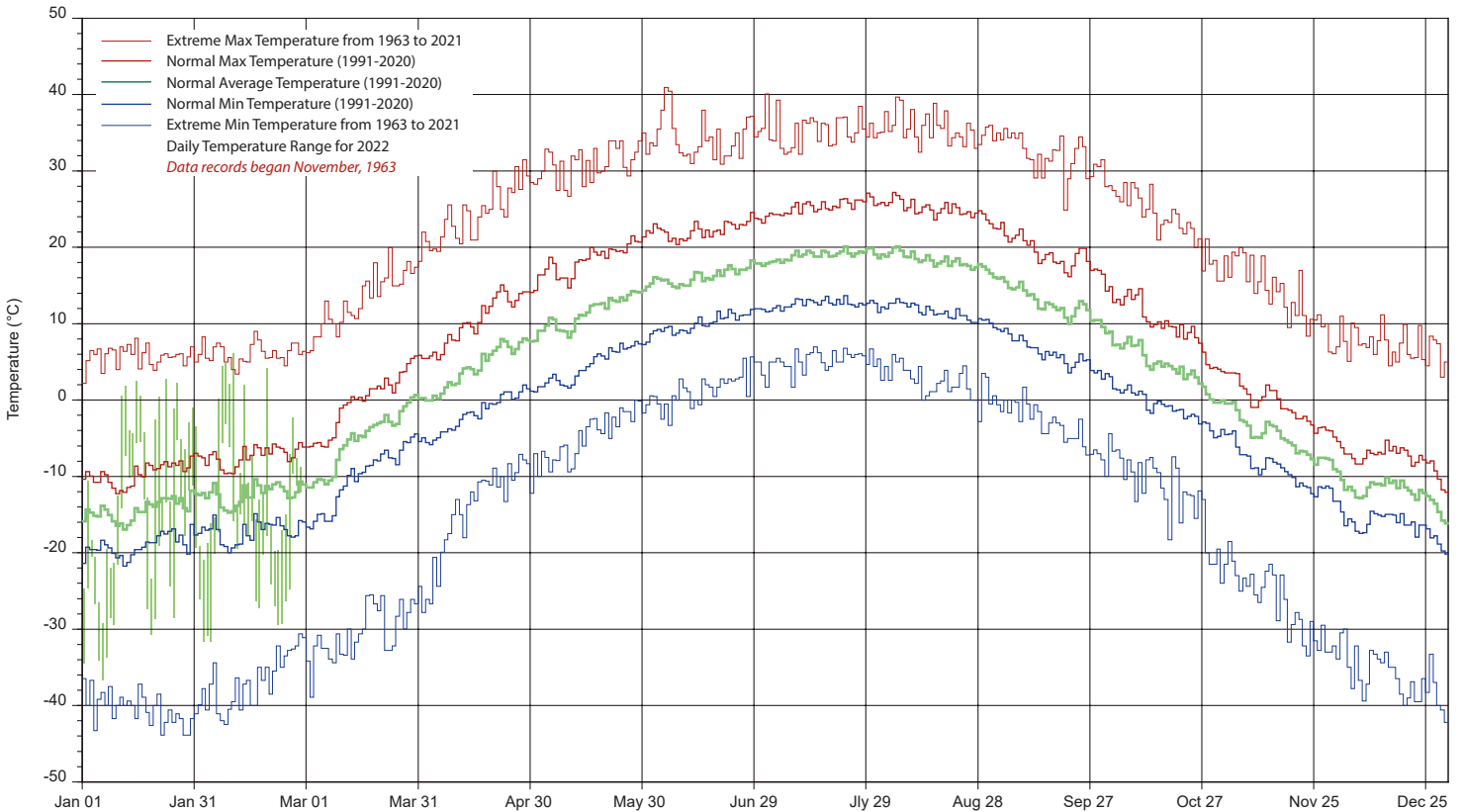
10 minute Average Wind Speed and Direction Saskatoon Feb 2022



SASKATCHEWAN RESEARCH COUNCIL SASKATOON CLIMATE REFERENCE STATION 2022 PRECIPITATION AND NORMALS



2022 TEMPERATURES AND NORMALS



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