



SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

SASKATOON STATION 4057180

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

Preliminary APRIL 2024

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	Notes	Snow-on-Ground 0900h	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		cm	%	%	mbar	mbar
1	9.0	5.5	-2.6	-4.9	3.2	0.3	0.0	14.8	0.0	0.0		0	87	38	1013	1003
2	13.1	5.5	-3.3	-5.5	4.9	0.0	0.0	13.1	0.0	0.0		0	82	27	1017	1011
3	18.9	5.8	2.6	-5.8	10.8	0.0	5.8	7.2	0.0	0.0		0	84	38	1013	1004
4	4.6	6.3	1.4	-5.2	3.0	0.6	0.0	15.0	0.0	3.9	light rain	0	92	78	1016	1011
5	14.5	5.3	2.5	-4.9	8.5	0.2	3.5	9.5	0.0	0.0		0	76	37	1011	1005
6	15.0	6.0	3.0	-4.1	9.0	0.9	4.0	9.0	0.0	0.0		0	75	43	1008	1005
7	16.7	7.5	4.1	-4.1	10.4	1.7	5.4	7.6	0.0	0.0		0	75	32	1010	1008
8	12.5	8.6	2.3	-3.7	7.4	2.4	2.4	10.6	0.0	0.1	light rain	0	81	51	1010	1007
9	17.1	7.9	0.5	-3.9	8.8	2.0	3.8	9.2	0.0	0.0		0	88	25	1009	1004
10	9.4	7.8	1.2	-3.4	5.3	2.2	0.3	12.7	0.0	0.0		0	79	42	1018	1009
11	11.9	9.5	-2.4	-2.5	4.8	3.5	0.0	13.2	0.0	0.0		0	86	24	1019	1015
12	20.0	10.1	1.9	-1.8	11.0	4.2	6.0	7.0	0.0	0.0		0	75	20	1015	1003
13	17.9	10.2	0.4	-1.6	9.2	4.3	4.2	8.8	0.0	0.0		0	85	20	1012	1004
14	16.1	9.6	0.4	-1.5	8.3	4.1	3.3	9.7	0.0	0.0		0	72	16	1015	1012
15	18.1	8.7	6.0	-2.0	12.1	3.4	7.1	5.9	0.0	0.0		0	57	24	1012	1005
16	8.8	10.2	0.4	-2.4	4.6	3.9	0.0	13.4	0.0	8.3	rain/snow	0	94	54	1009	1006
17	0.5	12.4	-3.9	-0.3	-1.7	6.1	0.0	19.7	0.0	4.2	snow	7	96	65	1020	1007
18	-2.2	11.4	-5.8	-1.1	-4.0	5.2	0.0	22.0	0.0	3.5	snow	8	89	77	1026	1020
19	2.3	12.3	-4.7	-0.4	-1.2	6.0	0.0	19.2	0.0	0.1		8	87	38	1030	1026
20	10.6	13.4	-6.0	-0.5	2.3	6.5	0.0	15.7	0.0	0.0		3	70	22	1028	1020
21	17.2	14.2	-1.5	-0.3	7.9	7.0	2.9	10.1	0.0	0.0		0	71	25	1020	1000
22	15.8	15.1	3.9	0.8	9.9	8.0	4.9	8.1	0.0	0.5	showers	0	90	17	1010	998
23	18.9	14.3	1.4	1.1	10.2	7.7	5.2	7.8	0.0	0.0		0	61	16	1016	1011
24	23.2	12.9	3.8	1.1	13.5	7.0	8.5	4.5	0.0	0.0		0	57	14	1014	1003
25	20.6	12.2	8.1	0.1	14.4	6.1	9.4	3.6	0.0	0.0		0	46	17	1003	1001
26	14.8	13.1	2.1	0.3	8.5	6.7	3.5	9.5	0.0	0.0		0	65	29	1015	1003
27	14.1	14.0	-3.9	1.1	5.1	7.6	0.1	12.9	0.0	0.0		0	80	27	1019	1013
28	17.8	14.2	5.0	2.0	11.4	8.1	6.4	6.6	0.0	1.7	showers	0	70	36	1014	1004
29	20.9	14.2	7.0	1.5	14.0	7.9	9.0	4.0	0.0	0.0		0	64	18	1004	1001
30	12.9	14.1	2.9	1.2	7.9	7.7	2.9	10.1	0.0	3.3	showers	0	90	48	1008	1003
Total							98.6	320.5	0.0	25.6			Extreme /	Extreme /	Extreme /	Extreme /
Avg	13.7	10.4	0.9	-1.7	7.3	4.4	1991-2020 Normal			23.3	1991-2020 Normal		Date	Date	Date	Date
Extreme	23.2		-6.0				60.6	414.2	0.2	84.7	Year to date 2024 Cumulative		96	14	1030	998
Date	24		20							56.8	Year to date Cumulative Normal		17	24	19	22

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

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

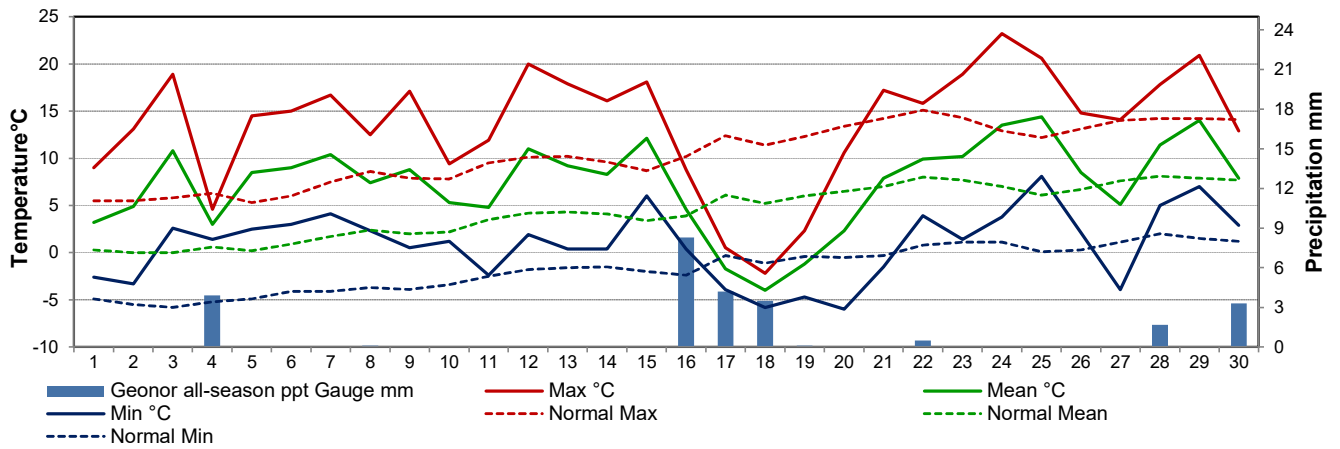
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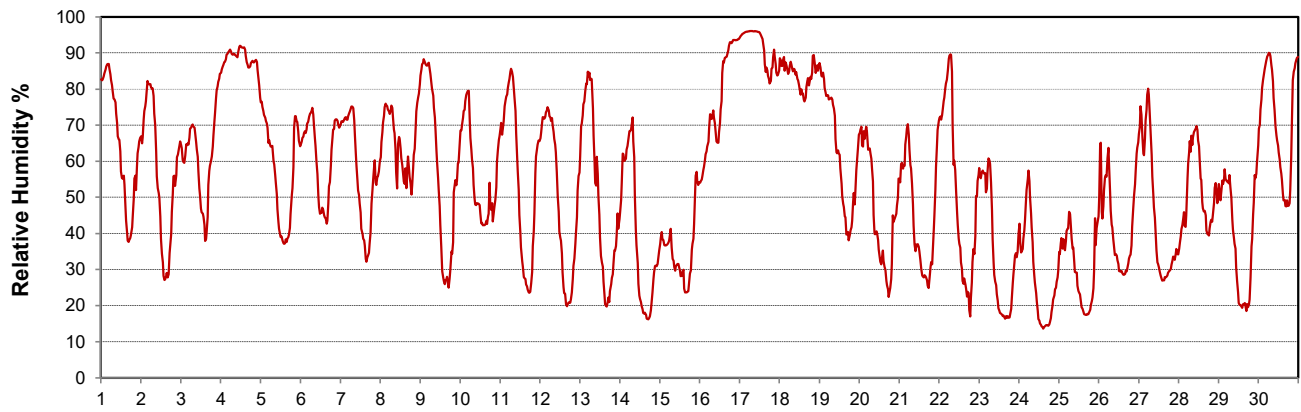
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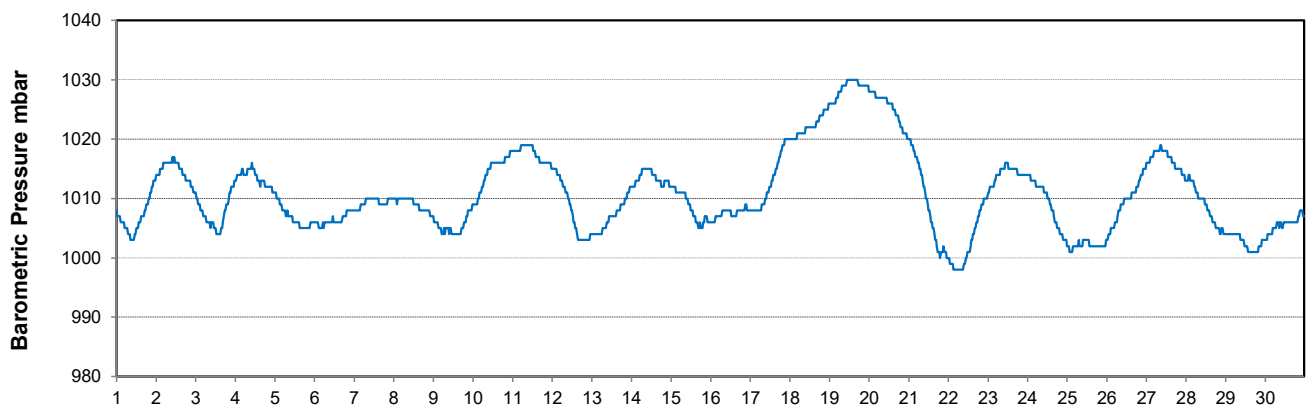
Temperature and Precipitation for April 2024



Relative Humidity for April 2024



Barometric Pressure Corrected to Sea Level for April 2024





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SASKATOON STATION 4057180

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

Preliminary APRIL 2024

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			km/h	°C	°C	°C	°C	°C	°C	°C	°C	hours	hours		MJ/m ²	MJ/m ²
1	45.6	WNW	15:55	18.2	0.5	-2.5	-2.0	-2.5	-1.5	0.5	2.0	3.5	10.8	13.0	82.8	17.7	3.4
2	35.0	SE	20:53	11.9	1.0	-2.0	-1.5	-1.5	-1.0	0.5	2.0	3.5	10.8	13.1	82.4	17.7	3.3
3	50.4	NW	16:55	18.7	4.5	-0.5	-0.5	-1.0	-1.0	0.5	2.0	3.5	9.9	13.2	75.2	15.2	7.1
4	45.4	NE	15:15	18.8	2.0	0.0	0.0	-0.5	-0.5	0.5	2.0	3.5	0.0	13.2	0.0	3.3	3.1
5	43.5	SE	9:56	18.6	5.0	0.0	0.0	0.0	-0.5	0.5	2.0	3.5	8.6	13.3	64.6	17.0	3.8
6	38.6	E	18:02	18.6	5.5	0.5	0.5	0.5	0.0	1.0	2.0	3.5	11.0	13.4	82.3	17.3	6.8
7	27.6	SE	0:21	9.7	6.5	3.5	3.0	2.5	0.0	1.0	2.0	3.5	8.3	13.4	61.8	15.8	7.8
8	31.0	WNW	16:10	7.6	5.5	4.5	4.5	4.0	1.5	1.0	2.0	3.5	4.3	13.5	31.8	10.0	7.0
9	37.8	NW	18:39	7.4	4.5	2.0	2.5	3.0	1.0	1.0	2.0	3.5	7.4	13.6	54.5	15.6	6.4
10	50.3	WNW	9:05	19.2	5.5	3.5	3.5	4.0	1.5	1.0	2.0	3.5	5.1	13.6	37.4	11.0	7.6
11	31.9	ESE	22:19	11.2	2.5	1.5	2.0	2.5	2.0	1.5	2.0	3.5	12.8	13.7	93.4	21.9	2.7
12	52.6	SE	13:57	20.7	3.5	3.5	3.5	3.5	2.0	1.5	2.0	3.5	6.5	13.8	47.2	13.5	7.7
13	43.7	NW	18:55	11.8	8.0	4.0	4.0	3.5	2.5	1.5	2.0	3.5	8.0	13.8	57.8	16.4	5.4
14	25.0	ESE	23:23	6.4	5.5	4.0	4.0	5.0	3.5	2.0	2.5	3.5	10.4	13.9	74.8	18.0	7.3
15	62.5	ESE	12:23	28.2	12.5	5.5	5.5	5.5	4.0	2.0	2.5	3.5	6.0	14.0	42.9	12.0	8.4
16	49.5	SE	1:02	19.0	7.0	6.0	6.5	6.5	4.5	2.5	2.5	3.5	0.8	14.0	5.7	4.5	4.0
17	67.0	NNW	12:32	32.5	0.0	3.5	4.0	4.5	4.5	3.0	2.5	3.5	0.0	14.1	0.0	10.2	9.2
18	54.1	N	3:55	28.1	-5.5	2.0	2.5	2.5	4.0	3.0	3.0	3.5	0.0	14.2	0.0	10.8	10.0
19	37.6	N	3:24	17.5	-4.5	1.5	2.0	2.0	3.5	3.0	3.0	3.5	12.2	14.2	85.7	23.9	4.5
20	33.0	W	16:42	13.4	0.5	1.0	1.5	2.0	3.0	3.0	3.0	3.5	13.8	14.3	96.6	24.4	3.2
21	43.6	SE	14:03	17.0	6.0	1.5	2.5	3.0	3.0	3.0	3.0	3.5	11.0	14.4	76.7	20.7	5.3
22	46.9	NNW	13:34	20.6	6.5	5.0	5.0	5.0	3.5	3.0	3.0	3.5	9.3	14.4	64.5	17.0	8.4
23	30.4	SE	23:10	9.8	11.5	4.0	4.5	5.0	4.0	3.0	3.0	3.5	13.2	14.5	91.2	23.3	3.9
24	44.9	SE	13:04	16.4	12.5	6.0	6.5	7.0	4.5	3.5	3.0	3.5	11.9	14.5	81.8	23.3	4.5
25	37.6	NW	15:00	13.5	13.5	8.5	8.5	8.5	5.5	3.5	3.5	3.5	13.5	14.6	92.4	21.6	7.7
26	41.4	N	15:44	17.2	10.5	8.0	8.5	9.0	6.5	4.0	3.5	3.5	13.1	14.7	89.3	24.7	3.6
27	35.1	ESE	23:55	13.0	5.5	6.5	7.5	8.5	6.5	4.0	3.5	3.5	12.4	14.7	84.2	23.5	4.6
28	54.9	S	13:35	24.5	5.0	8.0	9.0	9.0	7.0	4.5	3.5	3.5	5.1	14.8	34.5	12.6	8.4
29	47.0	SSW	13:33	16.7	12.5	8.0	8.5	8.5	7.0	4.5	4.0	4.0	10.4	14.9	70.0	19.8	8.1
30	31.7	NW	23:54	10.9	7.0	7.5	8.5	9.0	7.0	5.0	4.0	4.0	2.0	14.9	13.4	9.8	8.3
Total													248.6	419.8	59.2	492.5	181.5
Mean				16.6	5.4	3.5	3.8	4.0	2.9	2.3	2.6	3.5	1991-2020 Normal				
Extreme	67.0	NNW	12:32		1971- 2000 Normal for Soil Temperatures								231.4	418.7		487.2	180.1
Date	17				3.1	3.6	4.0	3.0	1.6	1.5	2.4	No. of Bright Sunshine days = 27					

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

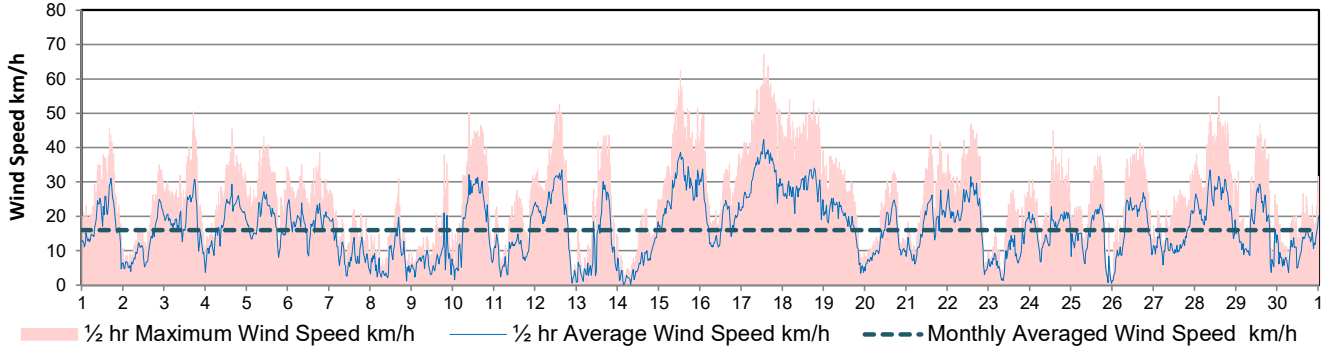
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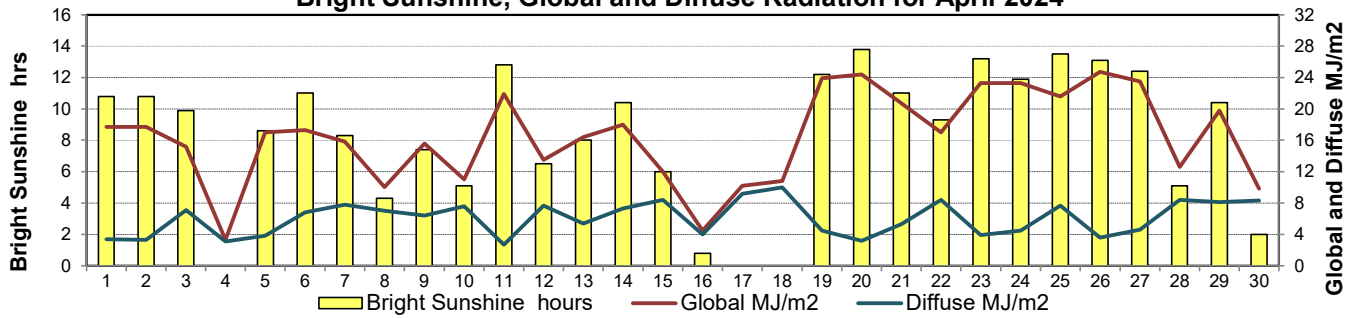
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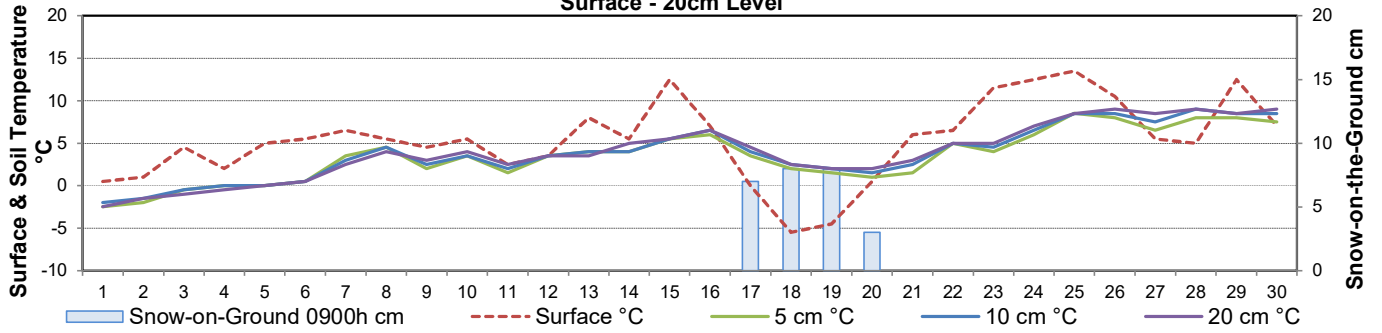
Wind Speed for April 2024



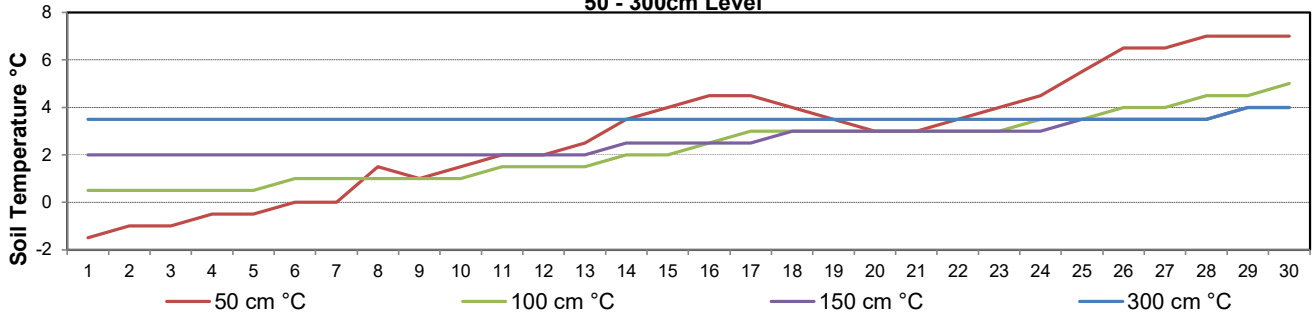
Bright Sunshine, Global and Diffuse Radiation for April 2024



Soil Temperatures for April 2024
Surface - 20cm Level



Soil Temperatures for April 2024
50 - 300cm Level





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Preliminary APRIL 2024

Extreme Records for April

Table with 4 main columns: Max/Min Temperature °C, Precipitation - Monthly mm, Wind Monthly km/h, CRS Bright Sunshine - Monthly. Includes sub-tables for S'toon Area, Date, Site, CRS, Date, etc.

**1975 forward * more than one year

Table with 3 main sections: Notable Events for CRS Saskatoon - April, Saskatoon Area Stations, and Glossary. Includes sub-tables for Element, Type, Day, New Record, Old Record, Year, and various station details.

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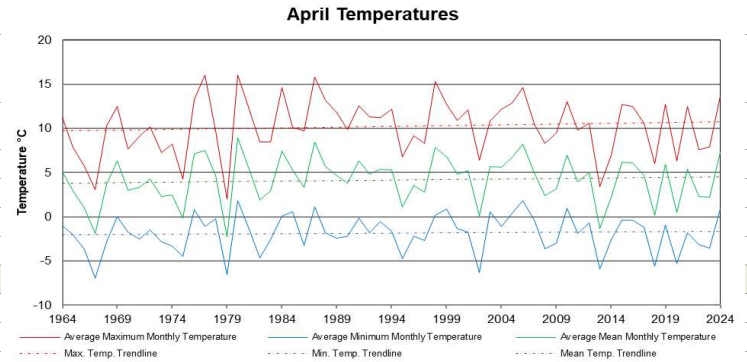
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SASKATOON STATION 4057180

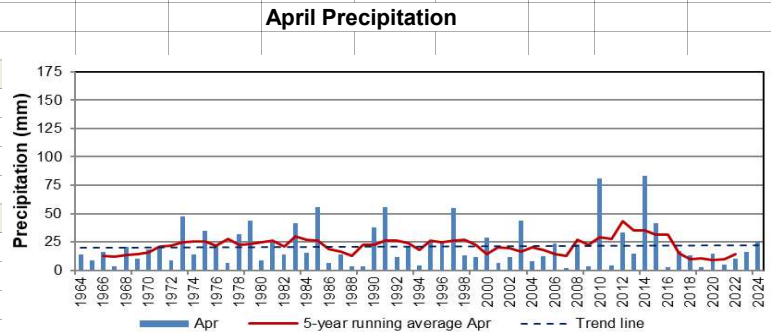
52°09' N 106°36' W 497 m asl Estab. 1963

Preliminary April 2024

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	13.0	22.5	34.4	7.0	6.5	7.5
2	8.0	17.3	29.3	8.0	6.5	8.0
3	13.0	21.8	36.8	10.5	7.0	8.0
4	13.0	20.6	32.7	19.0	9.0	8.0
5	14.0	20.2	37.3	21.0	13.0	8.0
6	14.0	18.8	29.3	19.0	14.0	8.0
7	8.0	15.3	23.5	17.5	15.0	8.5
8	6.0	15.0	24.7	16.5	15.5	8.0
9	6.0	14.8	27.5	16.0	15.5	8.5
10	14.0	22.8	36.2	15.0	15.5	8.5
11	9.0	18.3	25.2	14.0	15.0	8.5
12	15.0	25.2	40.8	14.0	15.5	8.5
13	9.0	21.9	36.2	13.5	15.5	8.5
14	6.0	13.9	20.0	13.5	15.5	8.0
15	21.0	29.9	48.8	13.0	15.5	9.0
16	14.0	25.5	42.5	12.5	15.5	8.5
17	22.0	29.3	47.7	19.0	15.0	9.0
18	20.0	24.0	41.9	21.0	15.0	8.0
19	12.0	17.5	27.5	20.5	15.0	8.5
20	10.0	19.2	27.5	20.0	15.0	8.0
21	11.0	20.3	33.3	23.0	17.5	8.0
22	15.0	21.3	36.2	21.0	18.5	8.5
23	8.0	15.1	26.4	18.0	18.0	8.5
24	11.0	17.9	46.5	17.0	18.0	9.0
25	10.0	17.6	28.7	15.5	18.0	8.5
26	12.0	19.0	32.7	15.0	18.0	9.0
27	10.0	18.7	28.7	14.0	17.5	9.0
28	16.0	24.8	43.7	13.5	17.5	9.0
29	12.0	22.0	36.2	13.5	17.0	9.0
30	9.0	14.3	22.4	13.0	16.5	9.5
Total Mean				16	15	8.5
Extreme	22.0	29.9	48.8	23	18.5	9.5
Date	17	15	15	21	22	30



7th highest average maximum monthly temperature
 5th highest average minimum monthly temperature
 7th highest average mean monthly temperature



18th highest total monthly precipitation
 fourth month in a row with above average precipitation

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

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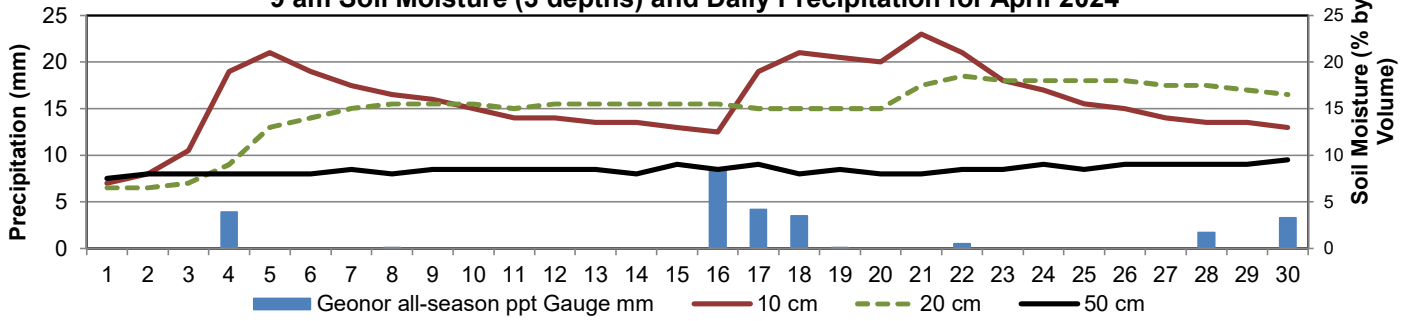


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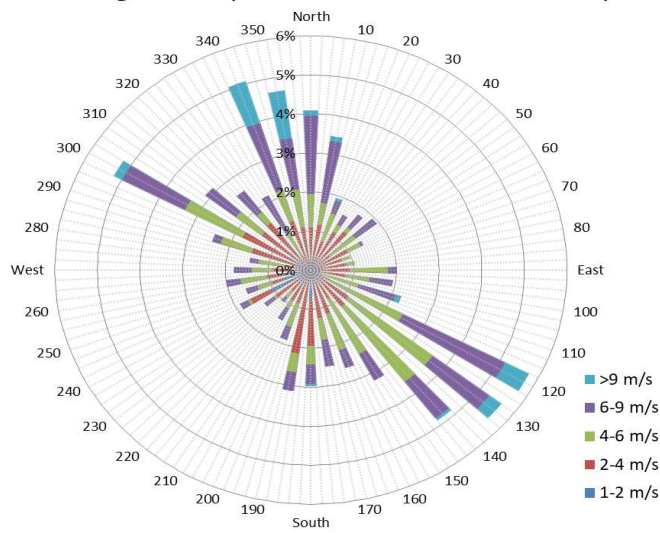
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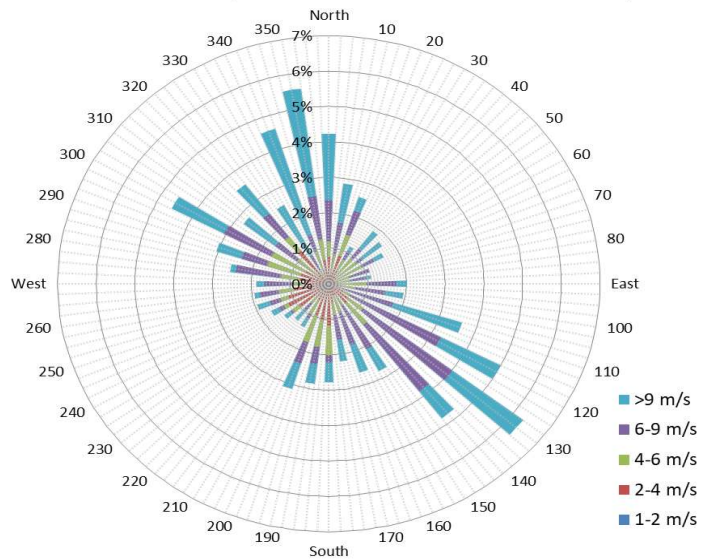
9 am Soil Moisture (3 depths) and Daily Precipitation for April 2024



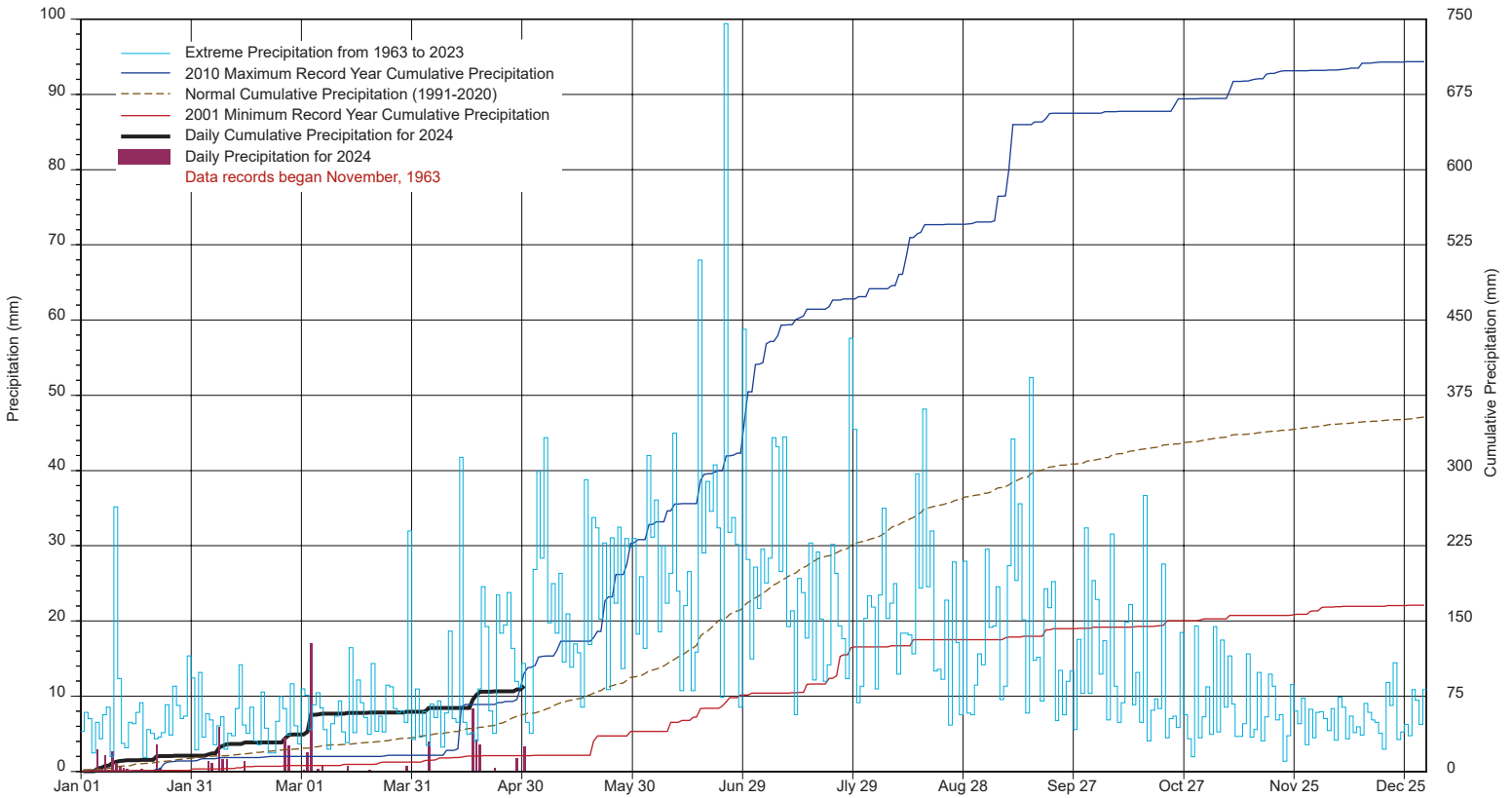
10 minute Average Wind Speed and Direction Saskatoon April 2024



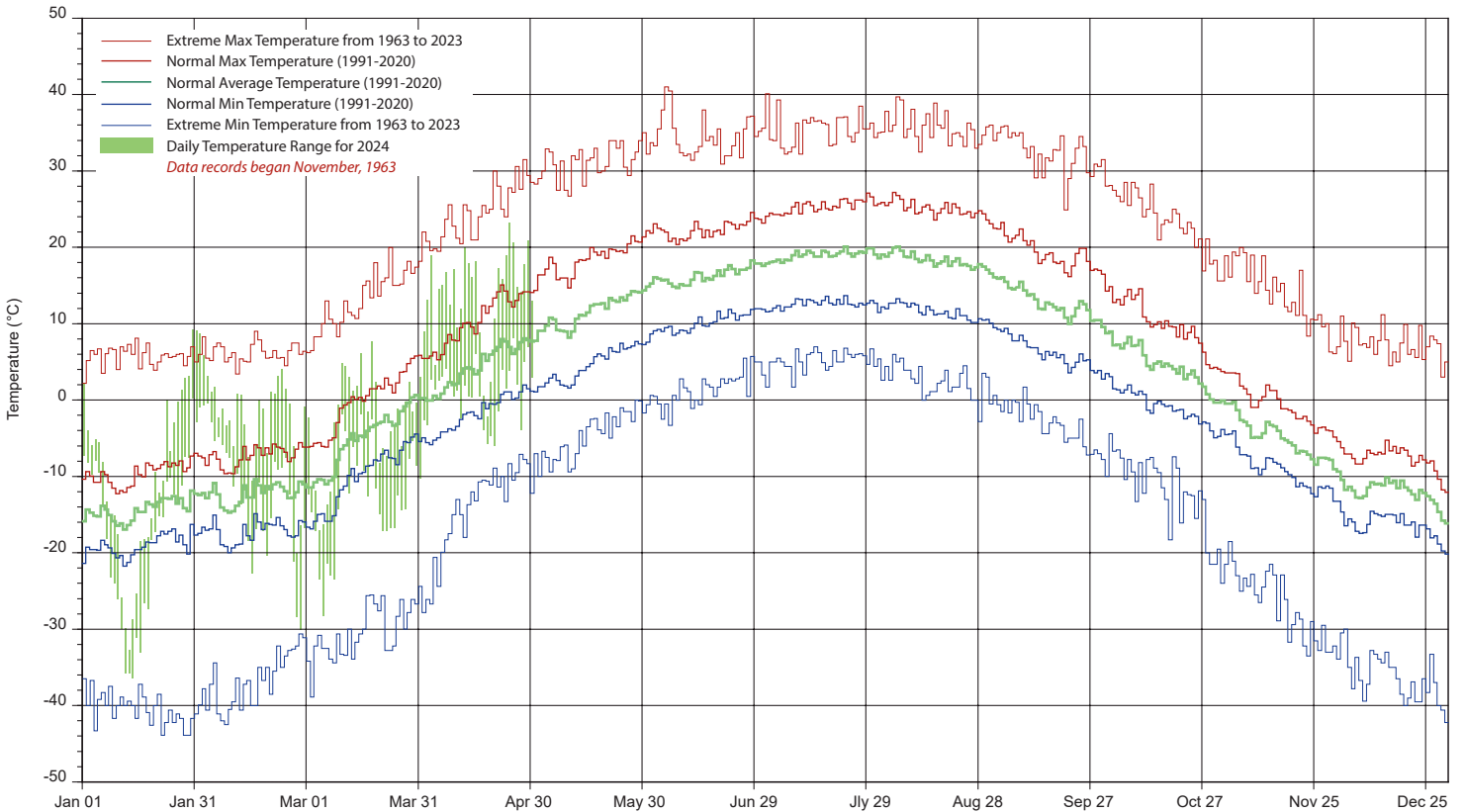
1/2 hr Maximum Wind Speed and Direction Saskatoon April 2024



SASKATCHEWAN RESEARCH COUNCIL SASKATOON CLIMATE REFERENCE STATION 2024 PRECIPITATION AND NORMALS



2024 TEMPERATURES AND NORMALS



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