



SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

SASKATOON STATION 4057180

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

Preliminary MAY 2020

Day	Temperature						Degree-days			Precipitation			Relative Humidity		Station Pressure (sea level)	
	Max	Normal Max	Min	Normal Min	Mean	Normal Mean	Growing	Heating	Cooling	Weighing Gauge	Tipping Bucket	Notes	Max ½ hr Avg	Min ½ hr Avg	Max ½ hr Avg	Min ½ hr Avg
	°C	1981-2010	°C	1981-2010	°C	1981-2010	5°C base	18°C base	18°C base	mm	mm		%	%	mbar	mbar
1	18.1	14.9	5.1	1.2	11.6	8.1	6.6	6.4	0.0	0.4	0.2		84	31	1013	1000
2	17.2	17.0	1.4	2.4	9.3	9.7	4.3	8.7	0.0	0.0	0.0		94	26	1018	1013
3	18.2	16.7	-0.1	2.6	9.1	9.7	4.1	8.9	0.0	0.2	0.4	light rain	87	26	1018	1013
4	15.7	16.5	6.3	1.7	11.0	9.1	6.0	7.0	0.0	1.1	1.6	light rain	91	32	1017	1012
5	19.7	16.8	1.7	1.9	10.7	9.4	5.7	7.3	0.0	0.0	0.0		96	24	1023	1018
6	20.7	17.2	1.7	2.5	11.2	9.9	6.2	6.8	0.0	0.0	0.0		89	19	1023	1020
7	18.7	15.8	2.4	2.4	10.6	9.1	5.6	7.4	0.0	0.0	0.0		56	15	1026	1022
8	17.0	16.2	0.8	2.1	8.9	9.2	3.9	9.1	0.0	5.7	6.2	light rain	93	27	1025	1018
9	6.6	16.2	0.2	2.2	3.4	9.2	0.0	14.6	0.0	5.8	6.8	snow / rain	94	55	1033	1026
10	9.3	15.6	-2.5	2.1	3.4	8.8	0.0	14.6	0.0	0.0	0.2		93	29	1035	1030
11	11.0	16.8	-3.7	2.1	3.7	9.5	0.0	14.3	0.0	0.0	0.0		86	25	1030	1022
12	14.1	17.6	-1.2	3.6	6.5	10.6	1.5	11.5	0.0	0.0	0.0		68	20	1022	1009
13	14.1	18.2	2.9	3.6	8.5	10.9	3.5	9.5	0.0	0.0	0.0		80	32	1009	1005
14	20.2	17.9	1.7	3.9	11.0	10.9	6.0	7.0	0.0	0.0	0.0		83	19	1016	1007
15	14.2	17.4	-2.9	4.8	5.7	11.1	0.7	12.3	0.0	0.0	0.0		83	17	1019	1016
16	25.0	19.0	4.3	4.6	14.7	11.8	9.7	3.3	0.0	0.0	0.0		51	15	1017	1009
17	26.6	19.9	12.0	5.4	19.3	12.7	14.3	0.0	1.3	0.0	0.0		55	15	1017	1005
18	25.6	18.6	12.3	6.6	19.0	12.7	14.0	0.0	1.0	0.0	0.0		68	29	1008	1004
19	25.3	18.6	12.5	5.8	18.9	12.2	13.9	0.0	0.9	0.1	0.0		85	25	1013	1004
20	12.9	17.9	8.7	5.1	10.8	11.6	5.8	7.2	0.0	17.8	21.8	smoke am t-storms pm	91	66	1013	1003
21	22.3	18.1	8.8	6.1	15.6	12.1	10.6	2.4	0.0	1.3	2.4	t-storms	89	38	1003	996
22	21.0	18.6	6.7	5.9	13.9	12.3	8.9	4.1	0.0	0.0	0.0		84	26	1007	1001
23	14.5	18.6	5.8	5.6	10.2	12.1	5.2	7.8	0.0	0.0	0.0		77	45	1015	1007
24	20.4	18.9	7.4	6.0	13.9	12.5	8.9	4.1	0.0	0.0	0.0		74	25	1016	1013
25	25.8	20.0	9.5	6.7	17.7	13.4	12.7	0.3	0.0	0.0	0.0		63	17	1014	1008
26	20.3	20.7	12.7	6.7	16.5	13.7	11.5	1.5	0.0	0.9	1.2	light rain	79	30	1007	1003
27	16.8	22.1	8.4	7.2	12.6	14.6	7.6	5.4	0.0	0.5	0.6	rain showers	78	36	1018	1007
28	18.5	20.6	5.8	7.9	12.2	14.3	7.2	5.8	0.0	0.0	0.0		89	24	1024	1018
29	18.6	21.3	6.9	7.4	12.8	14.4	7.8	5.2	0.0	0.0	0.0		78	26	1025	1023
30	25.3	21.9	7.5	7.8	16.4	14.9	11.4	1.6	0.0	0.0	0.0		66	21	1024	1014
31	30.2	21.6	11.9	7.3	21.1	14.5	16.1	0.0	3.1	0.0	0.0		56	28	1014	998
Total							219.7	194.1	6.3	33.8	41.4		Extreme / Date	Extreme / Date	Extreme / Date	Extreme / Date
Avg	18.8	18.3	5.0	4.6	11.9	11.5	1981-2010 Normal			39.4	1981-2010 Normal					
Extreme Date	30.2		-3.7				206.9	209.3	6.3	74.3	Cumulative		96	15	1035	996
	31		11							100.9	Cumulative Normal		5	7	10	21

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

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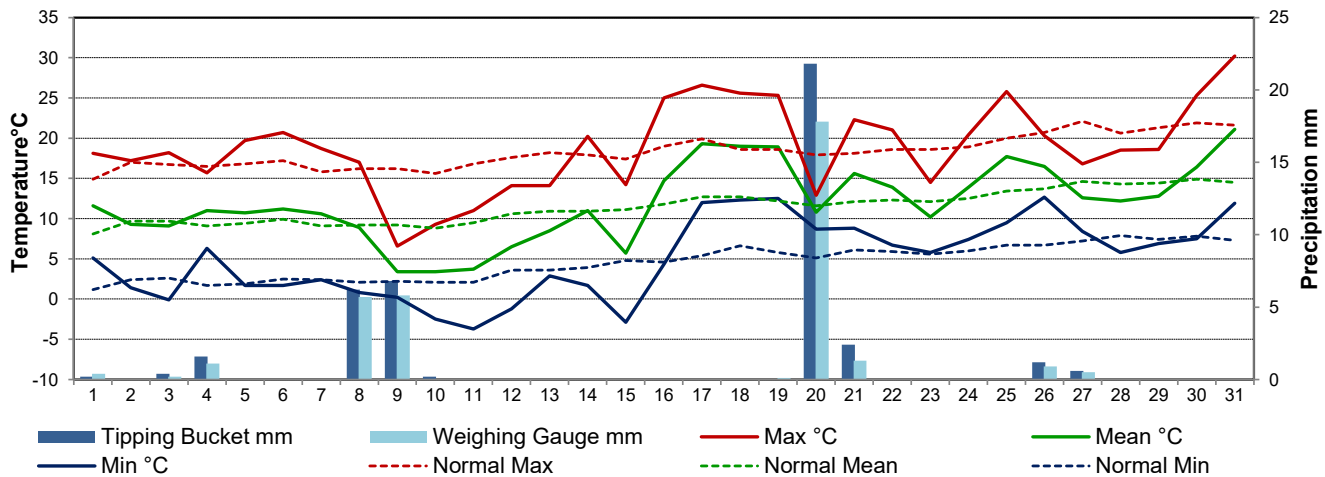


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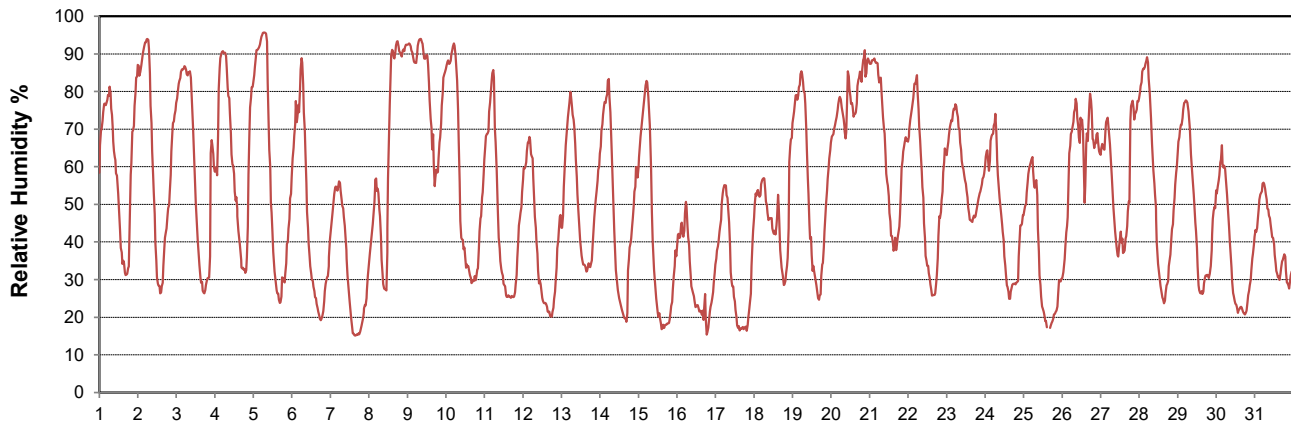
Agriculture et Agroalimentaire Canada



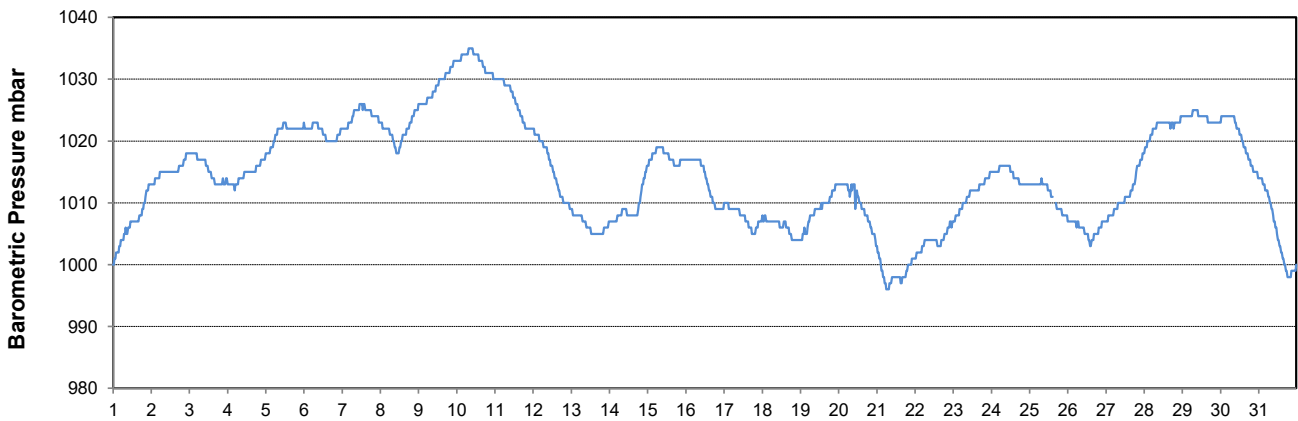
Temperature and Precipitation for May 2020



Relative Humidity for May 2020



Barometric Pressure Corrected to Sea Level for May 2020





SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

SASKATOON STATION 4057180

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

Preliminary MAY 2020

Day	10 m tower Wind Gust			Soil Temperatures at 0900hrs (rounded to the nearest 0.5C)								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	58.8	NW	14:49	10.0	11.5	12.0	11.5	7.5	3.0	2.5	3.0	3.6	15.0	24.0	13.9	7.7
2	45.8	W	13:11	9.0	8.5	9.5	10.0	8.0	3.5	2.5	3.0	13.1	15.0	87.2	24.5	3.7
3	43.9	ESE	14:32	2.5	8.0	9.0	10.0	8.0	4.0	2.5	3.0	11.0	15.1	72.9	23.1	5.9
4	35.3	SE	2:09	7.0	10.0	10.5	10.5	8.0	4.0	3.0	3.0	6.4	15.1	42.3	17.0	8.5
5	34.6	N	18:01	8.5	9.0	9.5	10.0	8.5	4.5	3.0	3.0	11.6	15.2	76.3	24.4	5.9
6	37.7	E	17:56	11.0	10.0	11.0	11.0	9.0	4.5	3.5	3.5	14.6	15.3	95.7	26.3	6.1
7	34.9	ESE	1:02	9.0	10.5	11.0	11.5	9.5	5.0	3.5	3.5	14.0	15.3	91.4	26.4	5.4
8	54.2	N	15:41	14.5	11.5	12.0	12.0	9.5	5.0	3.5	3.5	3.6	15.4	23.4	9.6	9.6
9	28.5	NNE	16:09	0.5	6.5	8.0	9.0	9.5	5.5	4.0	3.5	0.8	15.4	5.2	10.7	15.8
10	32.5	N	13:20	5.0	4.5	5.5	7.0	8.0	5.5	4.0	3.5	13.6	15.5	87.9	26.5	10.0
11	22.6	SSE	14:50	5.0	5.0	6.0	7.5	8.0	5.5	4.0	3.5	11.8	15.5	75.9	24.5	11.6
12	35.2	SSE	12:40	7.5	6.0	6.5	8.0	8.0	5.5	4.5	3.5	10.7	15.6	68.6	22.4	13.8
13	32.0	SE	13:10	8.5	8.0	8.0	8.5	8.0	5.5	4.5	3.5	9.6	15.6	61.4	21.4	11.8
14	49.9	NNE	18:27	11.5	8.0	8.5	9.5	8.0	5.5	4.5	4.0	14.6	15.7	93.1	27.4	6.2
15	23.4	NW	12:17	6.0	8.0	9.0	10.0	8.5	5.5	4.5	4.0	14.6	15.7	92.8	25.6	12.4
16	44.0	SSW	15:58	13.5	9.5	10.0	10.5	9.0	5.5	4.5	4.0	11.4	15.8	72.2	23.8	7.0
17	51.4	SSW	12:09	16.0	12.5	13.0	12.5	9.5	6.0	4.5	4.0	6.4	15.8	40.4	16.5	9.3
18	36.8	SSE	13:10	18.0	13.5	14.0	13.0	10.0	6.0	4.5	4.0	4.7	15.9	29.6	12.5	10.8
19	41.2	NNE	19:41	16.5	14.0	14.5	13.5	10.5	6.0	5.0	4.0	10.1	15.9	63.4	22.2	11.6
20	65.2	NE	10:44	11.0	14.5	15.0	14.5	11.0	6.5	5.0	4.0	0.8	16.0	5.0	7.6	10.0
21	62.1	S	16:38	16.5	12.0	12.0	12.0	11.0	7.0	5.0	4.0	7.7	16.0	48.0	21.3	10.7
22	52.6	SSW	12:00	14.0	12.0	12.5	12.5	11.0	7.0	5.5	4.5	12.4	16.1	77.2	24.1	11.4
23	42.8	WNW	14:15	8.5	11.0	11.5	12.0	11.0	7.0	5.5	4.5	8.6	16.1	53.3	21.8	12.3
24	36.0	NNW	11:12	12.0	12.0	12.0	12.0	11.0	7.0	5.5	4.5	13.6	16.2	84.2	28.6	2.6
25	36.5	SW	12:54	15.0	13.5	14.0	13.5	11.0	7.5	5.5	4.5	7.8	16.2	48.1	20.2	4.4
26	47.2	SW	14:41	14.0	15.5	16.0	15.0	12.0	7.5	6.0	4.5	1.2	16.2	7.4	9.2	6.3
27	66.5	W	11:42	13.5	12.5	13.5	13.5	12.0	7.5	6.0	4.5	8.4	16.3	51.6	21.0	6.8
28	45.0	NW	11:16	11.5	11.5	12.0	12.5	11.5	8.0	6.0	4.5	13.7	16.3	84.0	28.9	3.5
29	24.3	SE	0:13	11.5	13.0	13.5	13.5	12.0	8.0	6.0	5.0	3.0	16.4	18.3	15.8	10.8
30	39.5	ESE	19:25	15.5	13.0	13.5	13.5	12.0	8.0	6.5	5.0	7.6	16.4	46.4	19.9	10.2
31	67.5	SE	14:37	17.5	14.5	14.5	14.5	12.0	8.0	6.5	5.0	9.9	16.4	60.3	20.1	8.5
Total												280.9	488.5	57.5	637.2	270.6
Mean				11.0	10.6	11.2	11.4	9.8	6.0	4.6	3.9	1981-2010 Normal for Radiation				
Extreme	67.5	SE	14:37	1971- 2000 Normal for Soil Temperatures								256.9	487.6	52.7	603.5	221.5
Date	31			10.3	10.8	11.3	9.3	6.4	4.8	3.4	No. of Bright Sunshine days = 31					

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

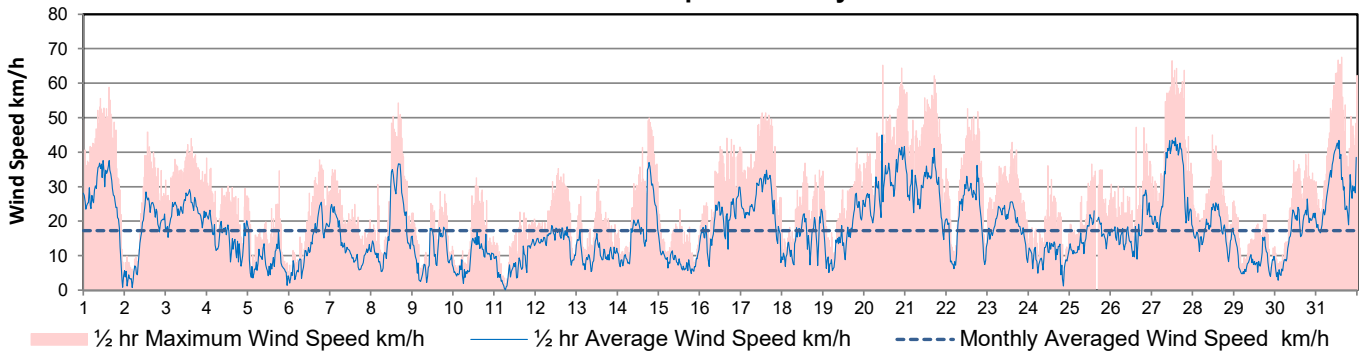
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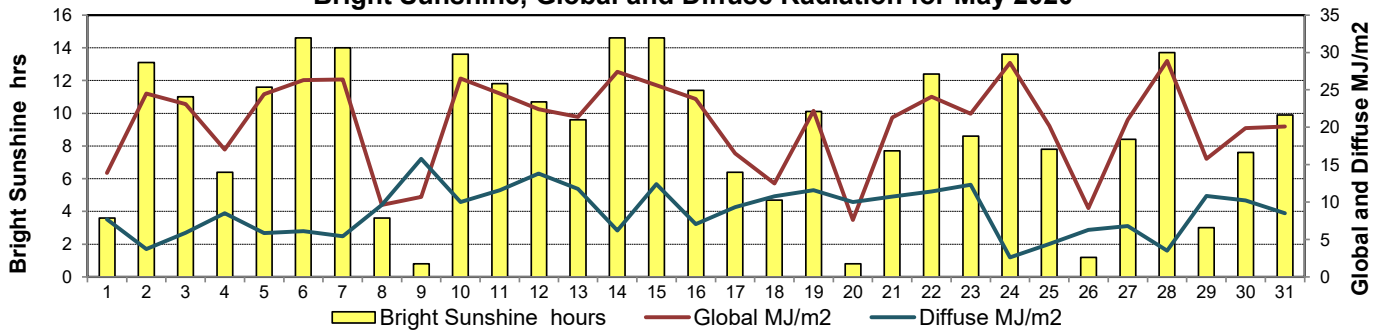
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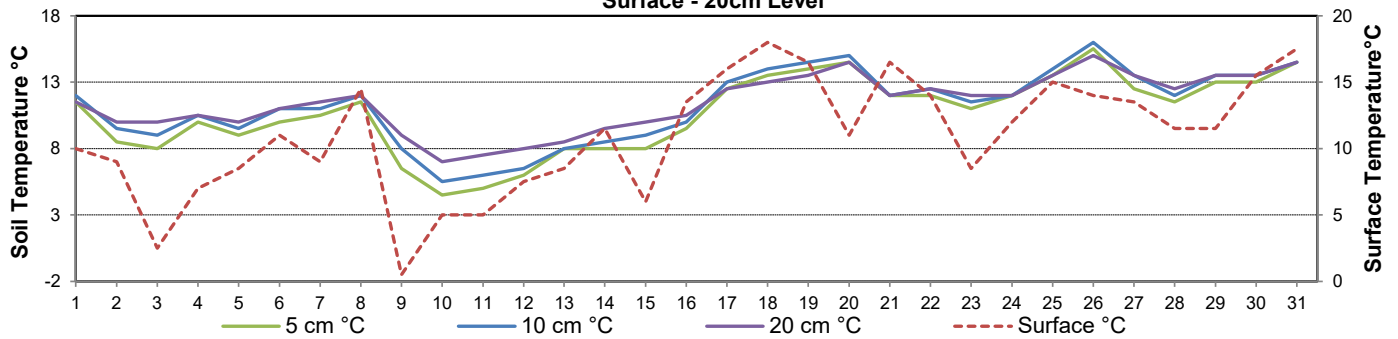
10 m tower Wind Speed for May 2020



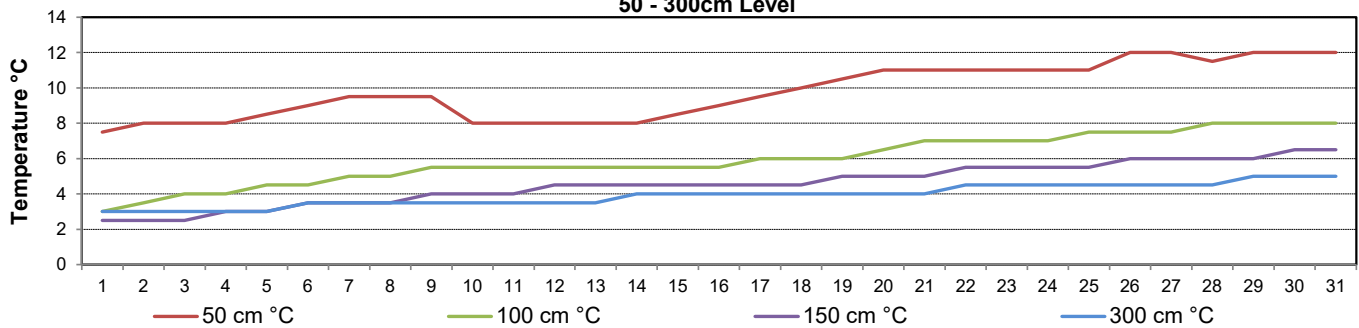
Bright Sunshine, Global and Diffuse Radiation for May 2020



9 am Soil Temperatures for May 2020
Surface - 20cm Level



9 am Soil Temperatures for May 2020
50 - 300cm Level





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Preliminary **MAY** **2020**

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 Daily Mean	31	21.1	21.1	1972	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	Power outage May 25 between 15:00 and 17:00	
						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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Preliminary **MAY** **2020**

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	20.0	28.7	51.7	21.0	11.0	9.0														
2	12.0	21.7	37.9	20.0	10.5	9.0														
3	18.0	22.8	35.0	20.0	10.5	9.0														
4	12.0	17.0	28.7	19.0	10.5	9.0														
5	7.0	14.3	37.3	18.5	10.5	9.0														
6	10.0	18.7	30.4	18.0	10.0	9.0														
7	10.0	19.1	29.3	17.0	11.0	9.5														
8	14.0	28.4	42.5	16.0	10.5	9.5														
9	9.0	14.6	22.9	15.5	10.0	9.0														
10	7.0	14.8	27.5	15.0	10.0	8.5														
11	6.0	11.3	22.4	15.0	10.0	9.0														
12	11.0	14.6	32.1	14.5	10.0	9.0														
13	8.0	13.8	26.4	14.5	10.5	9.0														
14	14.0	27.1	39.6	15.0	10.5	9.5														
15	7.0	11.3	31.6	14.5	10.0	9.5														
16	14.0	22.4	37.3	14.0	10.0	9.0														
17	17.0	24.1	44.2	14.0	10.0	9.0														
18	10.0	17.9	30.4	14.0	10.5	9.0														
19	12.0	20.2	31.6	13.5	10.5	9.5														
20	24.0	35.6	52.9	12.5	10.0	9.5														
21	21.0	30.3	47.7	13.0	10.0	9.5														
22	16.0	29.2	46.0	13.0	10.0	9.5														
23	16.0	20.9	33.9	13.5	10.0	9.5														
24	8.0	12.2	32.1	13.5	10.0	9.5														
25	11.0	18.6	32.1	13.5	10.0	9.5														
26	13.0	22.7	37.9	13.5	10.5	9.5														
27	24.0	34.8	55.2	13.5	10.5	10.0														
28	14.0	20.9	39.1	13.0	10.0	10.0														
29	7.0	12.9	20.0	12.5	10.0	9.5														
30	11.0	20.6	31.6	12.0	10.0	10.0														
31	21.0	0.0	55.0	12.5	10.0	10.0														
Total																				
Mean				15	10	9.3														
Extreme	24.0	35.6	55.2	21	11	10														
Date	20	20	27	1	1	27														

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

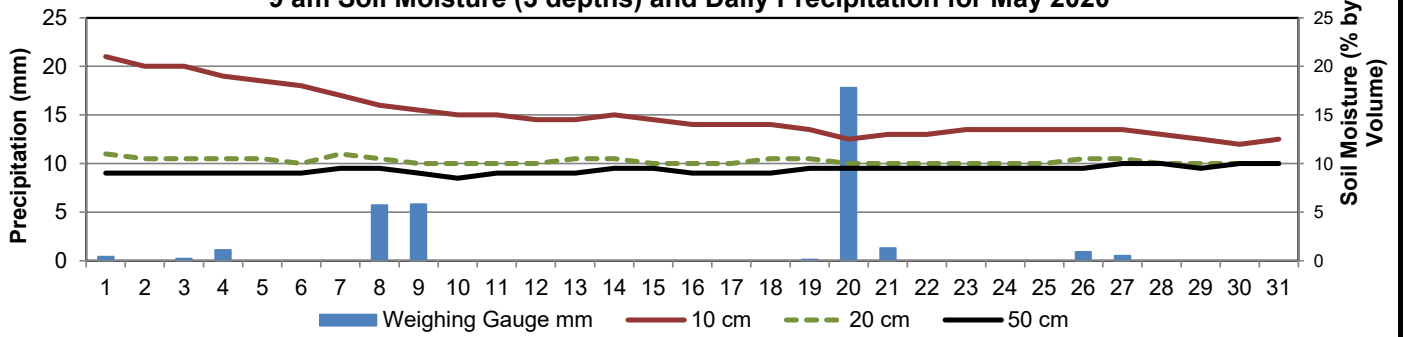
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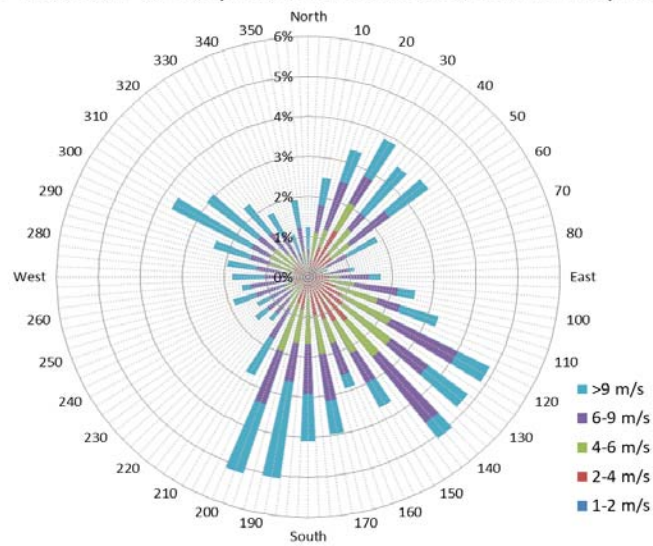
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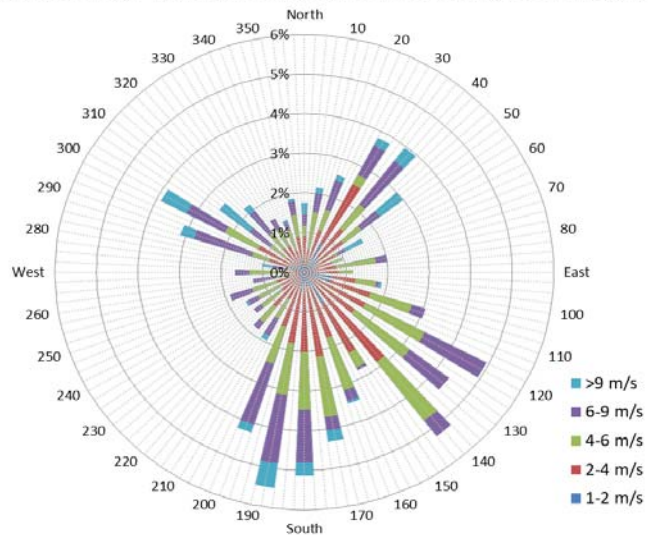
9 am Soil Moisture (3 depths) and Daily Precipitation for May 2020



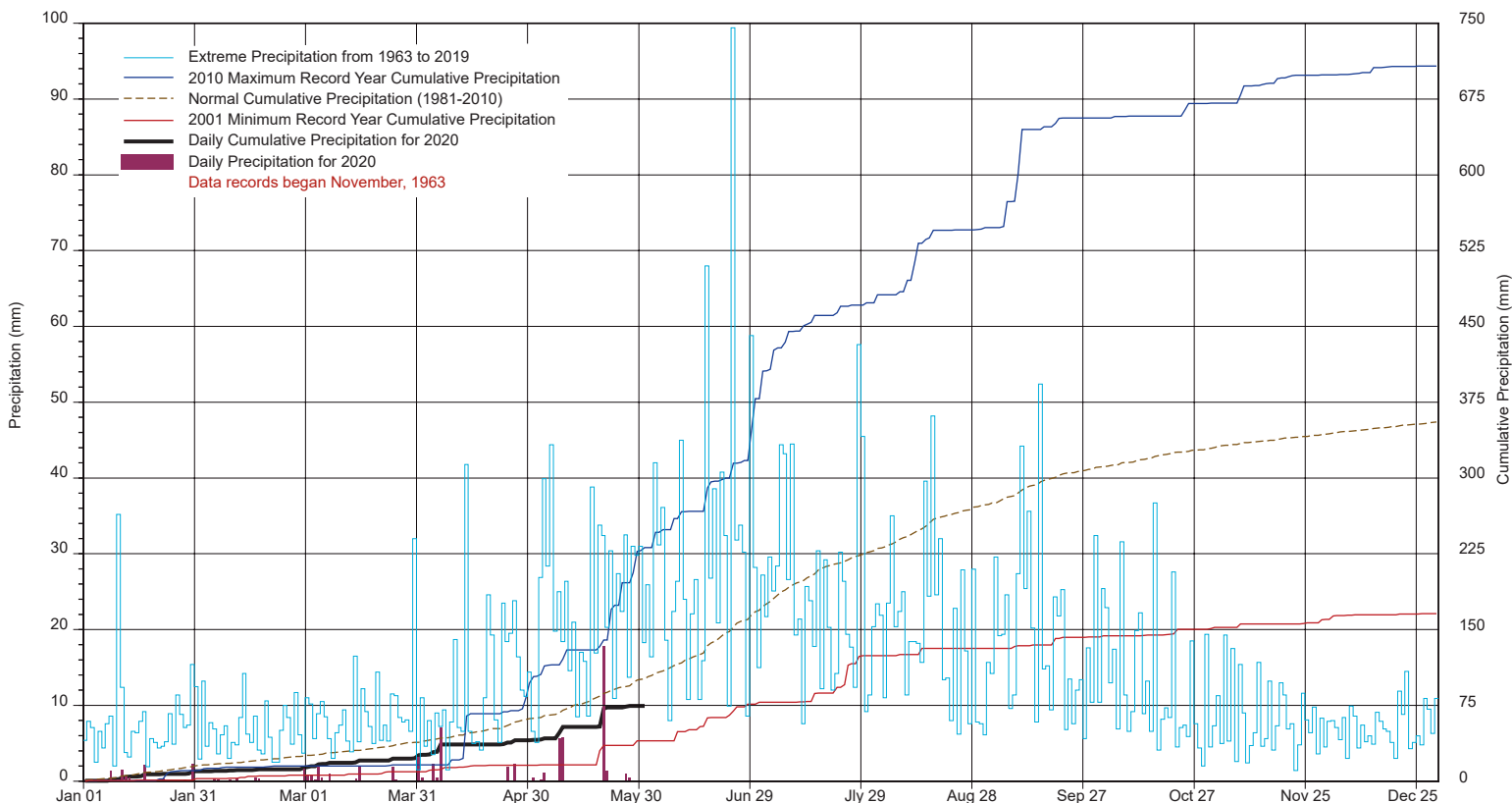
1/2 hr Maximum Wind Speed and Direction Saskatoon May 2020



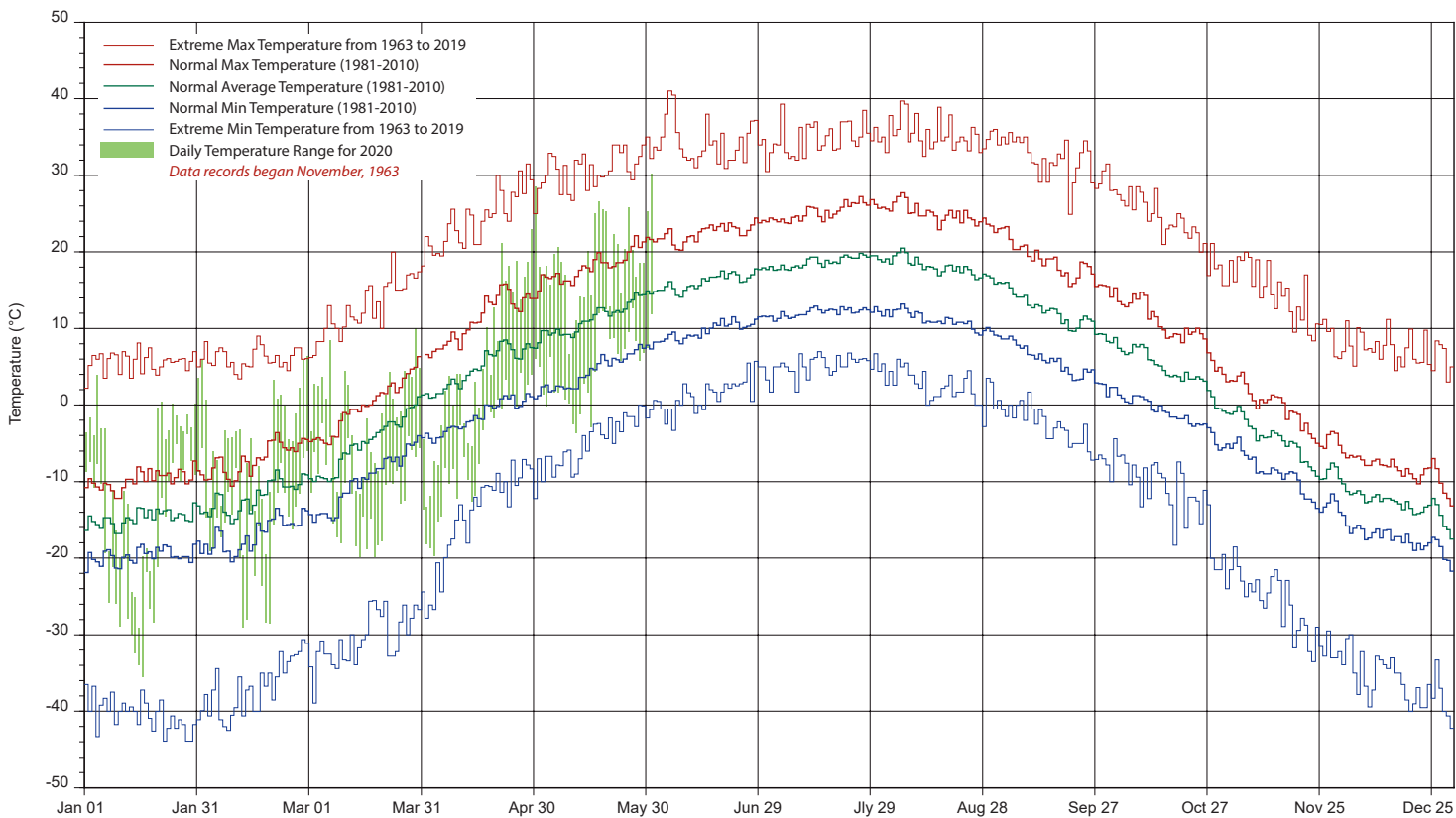
10 minute Average Wind Speed and Direction Saskatoon May 2020



SASKATCHEWAN RESEARCH COUNCIL SASKATOON CLIMATE REFERENCE STATION 2020 PRECIPITATION AND NORMALS



2020 TEMPERATURES AND NORMALS



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