



SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

SASKATOON STATION 4057180

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

Preliminary JUNE 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	24.9	21.3	14.9	8.2	19.9	14.8	14.9	0.0	1.9	0.1	0.0		67	21	1009	998
2	24.8	21.7	12.1	8.2	18.5	15.0	13.5	0.0	0.5	0.8	0.8	showers	78	18	1013	1008
3	19.2	21.7	10.3	8.3	14.8	15.0	9.8	3.2	0.0	0.0	0.0		62	38	1008	1001
4	15.7	22.4	9.0	8.6	12.4	15.5	7.4	5.6	0.0	0.1	0.0	light rain	78	55	1011	1005
5	18.3	23.0	8.7	9.2	13.5	16.1	8.5	4.5	0.0	0.0	0.0		81	41	1017	1011
6	14.4	20.9	10.2	9.5	12.3	15.2	7.3	5.7	0.0	10.4	13.4	rain	88	65	1015	1002
7	16.0	20.3	9.8	8.4	12.9	14.3	7.9	5.1	0.0	30.0	37.6	rain	92	66	1002	990
8	13.9	20.2	7.9	8.0	10.9	14.1	5.9	7.1	0.0	0.0	0.0		88	59	1011	1001
9	20.8	21.3	6.8	8.7	13.8	15.0	8.8	4.2	0.0	0.0	0.0		84	31	1013	1011
10	22.9	22.0	9.4	9.1	16.2	15.5	11.2	1.8	0.0	0.4	0.4	showers	81	23	1013	1011
11	20.0	22.1	8.1	9.0	14.1	15.6	9.1	3.9	0.0	0.0	0.0		86	38	1023	1013
12	27.8	21.3	7.8	9.1	17.8	15.2	12.8	0.2	0.0	0.0	0.0		81	27	1024	1015
13	30.6	22.6	14.4	8.7	22.5	15.6	17.5	0.0	4.5	0.0	0.0		67	29	1015	1002
14	24.3	23.0	13.9	10.0	19.1	16.5	14.1	0.0	1.1	1.5	1.8	showers	79	45	1005	1001
15	21.5	23.1	11.1	9.3	16.3	16.2	11.3	1.7	0.0	1.3	1.8	showers	85	35	1008	1004
16	25.0	23.5	11.5	10.0	18.3	16.7	13.3	0.0	0.3	13.2	16.2	rain	92	27	1009	1006
17	15.7	22.8	8.2	10.7	12.0	16.7	7.0	6.0	0.0	24.5	30.6	rain	92	27	1015	1006
18	16.9	23.3	7.5	10.4	12.2	16.8	7.2	5.8	0.0	2.8	3.6	showers	92	39	1017	1015
19	15.4	23.7	8.2	11.3	11.8	17.5	6.8	6.2	0.0	0.0	0.0		82	42	1016	1011
20	15.4	22.7	6.6	10.3	11.0	16.5	6.0	7.0	0.0	0.0	0.0		91	54	1012	1011
21	19.4	23.8	4.6	10.5	12.0	17.2	7.0	6.0	0.0	0.0	0.0		92	38	1015	1011
22	24.5	23.3	7.0	11.5	15.8	17.4	10.8	2.2	0.0	0.0	0.0		83	33	1018	1015
23	28.5	23.1	12.8	10.8	20.7	17.0	15.7	0.0	2.7	0.0	0.0		76	32	1015	1009
24	25.6	22.1	17.0	9.9	21.3	16.0	16.3	0.0	3.3	0.5	0.4	showers	86	52	1009	1006
25	26.3	22.1	15.8	10.1	21.1	16.1	16.1	0.0	3.1	2.1	1.8	showers	89	30	1010	1006
26	29.8	22.8	13.8	10.3	21.8	16.6	16.8	0.0	3.8	0.0	0.0		77	29	1011	1004
27	20.5	23.5	14.7	10.5	17.6	17.0	12.6	0.4	0.0	10.0	8.0	showers	92	59	1004	1000
28	19.8	24.4	13.1	11.2	16.5	17.8	11.5	1.5	0.0	0.0	0.0		93	72	1006	1002
29	19.3	23.8	14.5	11.5	16.9	17.7	11.9	1.1	0.0	0.0	0.0		92	66	1010	1006
30	19.3	24.1	13.9	11.6	16.6	17.9	11.6	1.4	0.0	8.7	6.6	showers	93	87	1009	1002
Total							330.6	80.6	21.2	106.4	123.0		Extreme / Date	Extreme / Date	Extreme / Date	Extreme / Date
Avg	21.2	22.5	10.8	9.8	16.0	16.2	1981-2010 Normal			66.6	Normal					
Extreme Date	30.6		4.6				334.8	81.4	24.8	180.7	Cumulative		93	18	1024	990
Date	13		21							167.5	Cumulative Normal		28	2	12	7

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

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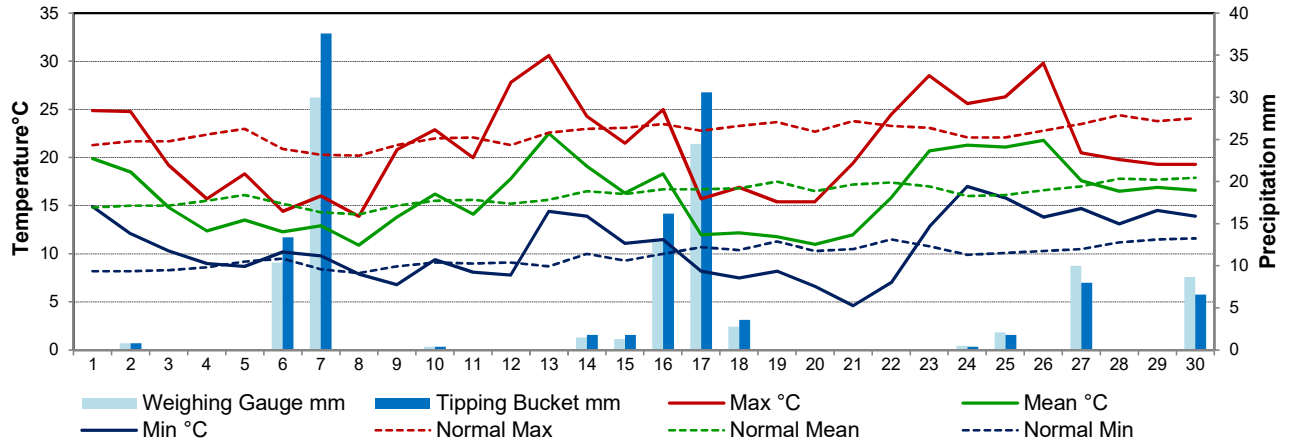


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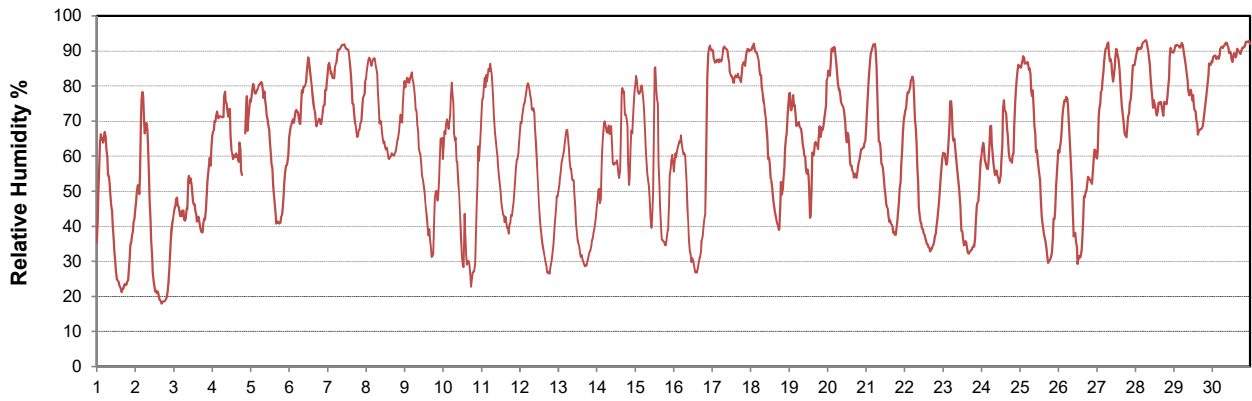
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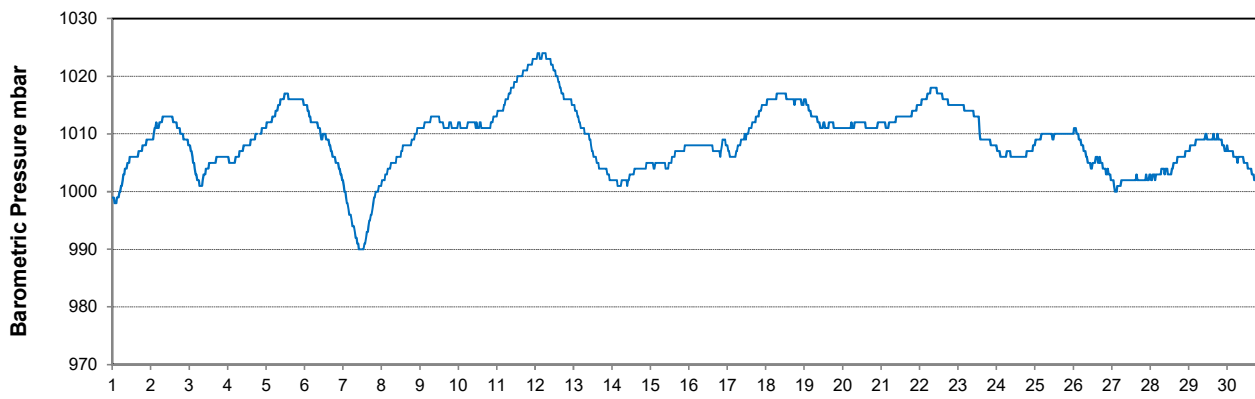
Temperature and Precipitation for June 2020



Relative Humidity for June 2020



Barometric Pressure Corrected to Sea Level for June 2020





SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

SASKATOON STATION 4057180

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

Preliminary **JUNE 2020**

Day	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	92.1	WSW	4:29	18.5	16.5	16.5	16.0	12.5	8.5	6.5	4.5	12.8	16.5	77.8	27.4	4.1
2	44.7	WNW	11:24	16.5	16.0	16.5	16.0	13.0	9.0	6.5	5.0	10.8	16.5	65.5	25.2	4.9
3	72.4	WNW	16:59	20.0	16.0	16.5	16.0	13.5	9.0	7.0	5.0	6.3	16.5	38.2	16.8	8.2
4	49.7	WNW	13:57	11.0	14.0	14.5	15.0	13.5	9.0	7.0	5.0	2.2	16.5	13.3	9.3	5.9
5	32.5	E	23:48	11.0	13.0	13.5	13.5	13.0	9.5	7.0	5.0	5.3	16.6	32.0	16.4	7.4
6	62.1	E	19:59	10.0	13.0	14.0	14.0	12.5	9.5	7.0	5.0	0.0	16.6	0.0	3.0	2.3
7	61.3	E	3:09	10.5	11.0	12.0	12.0	12.0	9.5	7.5	5.0	2.9	16.6	17.5	8.2	5.0
8	33.4	WNW	8:48	11.5	11.0	11.5	12.0	11.5	9.5	7.5	5.0	3.7	16.6	22.2	14.9	8.6
9	37.5	WSW	18:39	13.5	11.5	11.5	12.0	11.5	9.5	7.5	5.5	14.2	16.7	85.3	25.5	9.2
10	61.1	WNW	13:29	15.5	13.5	14.0	14.0	12.0	9.5	7.5	5.5	9.6	16.7	57.6	23.5	6.0
11	32.5	NE	11:52	15.5	13.5	14.0	14.5	12.5	9.5	7.5	5.5	13.6	16.7	81.5	26.2	4.9
12	52.9	SE	14:07	11.5	14.0	14.5	15.0	13.0	9.5	7.5	5.5	15.0	16.7	89.8	28.3	4.1
13	67.7	SE	16:57	20.5	17.0	17.0	16.5	13.5	9.5	7.5	5.5	6.8	16.7	40.7	19.1	8.9
14	55.7	SE	1:18	21.5	19.0	19.0	18.0	14.0	10.0	7.5	5.5	2.2	16.7	13.2	7.8	5.0
15	56.3	WSW	15:05	15.0	15.0	15.5	16.0	14.5	10.0	8.0	6.0	11.1	16.7	66.3	21.1	5.9
16	26.5	WNW	23:39	18.5	14.5	15.0	15.0	14.0	10.5	8.0	6.0	5.7	16.7	34.1	19.0	7.9
17	40.9	N	12:29	13.5	15.5	16.0	16.5	14.0	10.5	8.0	6.0	0.2	16.8	1.2	7.2	5.3
18	45.9	NNW	18:48	9.0	12.5	13.5	14.5	14.0	10.5	8.0	6.0	7.9	16.8	47.2	20.0	8.6
19	50.6	NNW	12:43	11.5	13.0	13.5	14.0	13.5	10.5	8.5	6.0	3.9	16.8	23.3	16.0	10.3
20	27.8	NNE	15:42	8.5	13.0	13.5	13.5	13.5	10.5	8.5	6.0	6.3	16.8	37.6	20.4	6.8
21	23.4	E	9:16	13.0	12.5	13.0	14.0	13.5	10.5	8.5	6.0	11.6	16.8	69.2	23.0	9.3
22	26.5	NW	16:26	16.5	13.0	13.5	14.5	13.5	10.5	8.5	6.0	15.2	16.8	90.7	29.5	3.3
23	27.8	ESE	21:31	20.0	16.5	17.0	16.5	14.0	10.5	8.5	6.5	13.8	16.8	82.4	24.8	7.1
24	33.7	WSW	12:10	23.0	19.0	19.0	18.0	15.0	11.0	8.5	6.5	9.2	16.7	55.0	16.3	7.1
25	40.4	WNW	14:18	18.5	18.5	19.0	18.5	15.0	11.0	8.5	6.5	13.9	16.7	83.0	28.2	4.5
26	44.5	NNE	16:00	21.0	18.5	19.0	18.5	15.5	11.0	9.0	6.5	11.4	16.7	68.1	23.7	7.8
27	35.8	NE	6:02	16.0	18.5	19.5	19.5	16.0	11.0	9.0	6.5	4.0	16.7	23.9	10.7	5.8
28	34.3	NE	16:48	16.0	17.5	18.0	18.0	16.0	11.5	9.5	6.5	3.2	16.7	19.2	15.0	9.9
29	33.1	NE	9:27	16.5	18.0	18.5	18.0	15.5	11.5	9.5	6.5	0.4	16.7	2.4	11.7	8.6
30	37.3	ENE	10:20	13.5	17.0	18.0	17.5	15.5	12.0	9.5	7.0	0.0	16.7	0.0	4.2	3.2
Total												223.2	500.3	44.6	542.4	195.9
Mean				15.2	15.1	15.6	15.6	13.7	10.1	8.0	5.8	1981-2010 Normal for Radiation				
Extreme	92.1	WSW	4:29	1971- 2000 Normal for Soil Temperatures								258.2	500.1	51.6	625.7	227.9
Date	1			15.3	15.7	16.3	14.0	10.4	8.3	5.4	No. of Bright Sunshine days = 28					

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

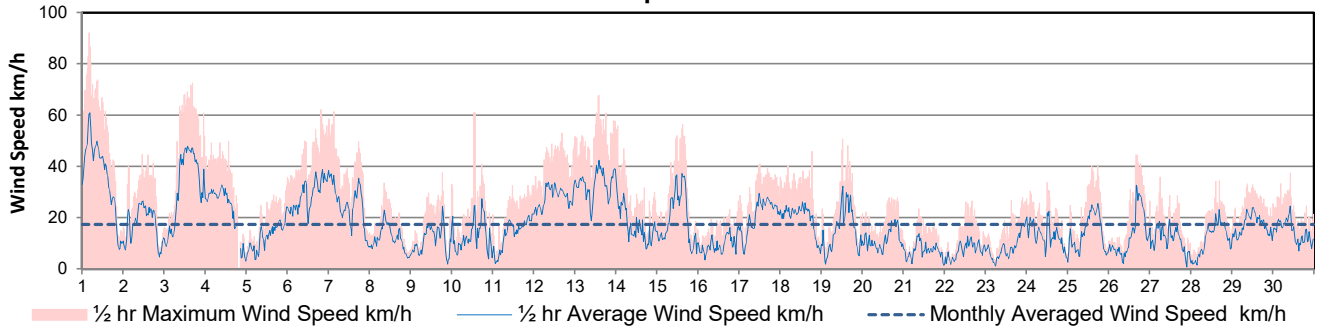
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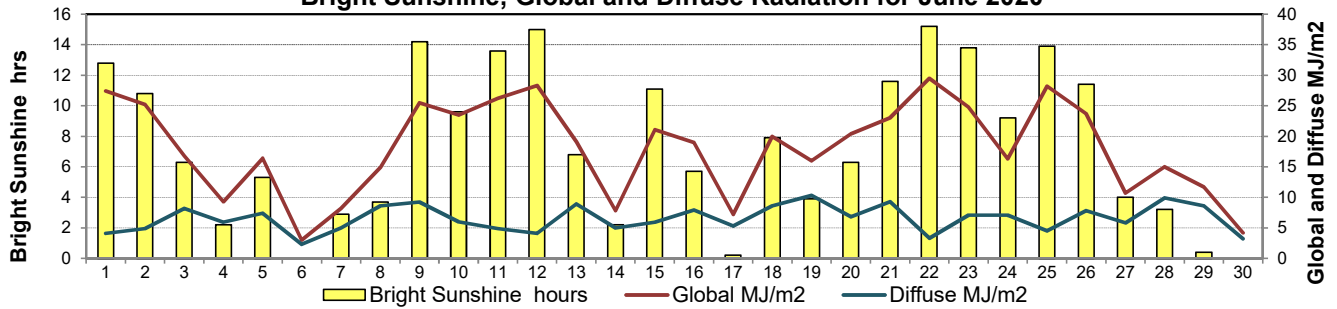
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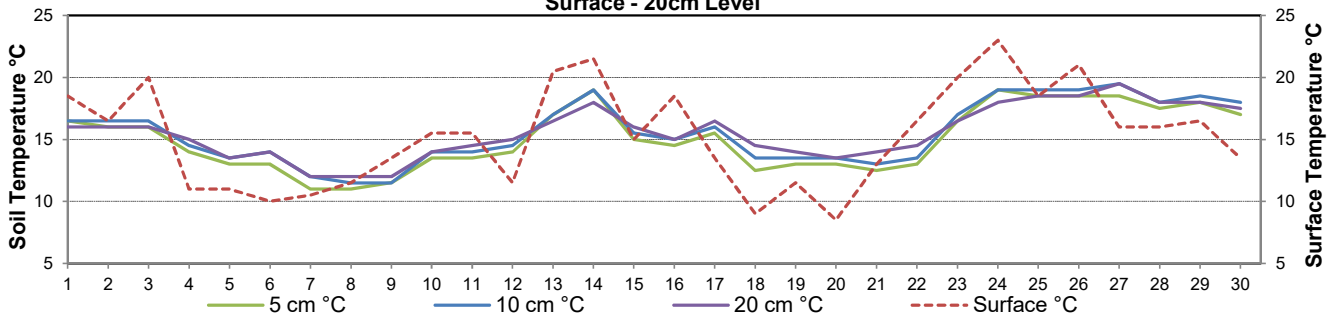
10 meter Wind Speed for June 2020



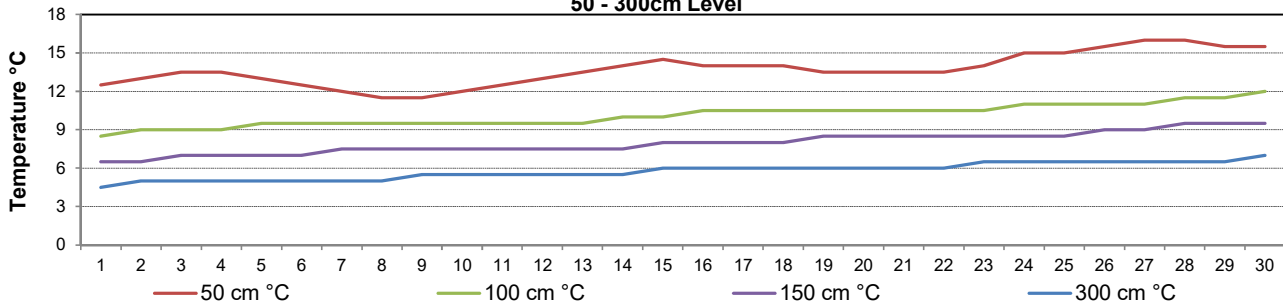
Bright Sunshine, Global and Diffuse Radiation for June 2020



**Soil Temperatures for June 2020
Surface - 20cm Level**



**Soil Temperatures for June 2020
50 - 300cm Level**





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

Preliminary June 2020

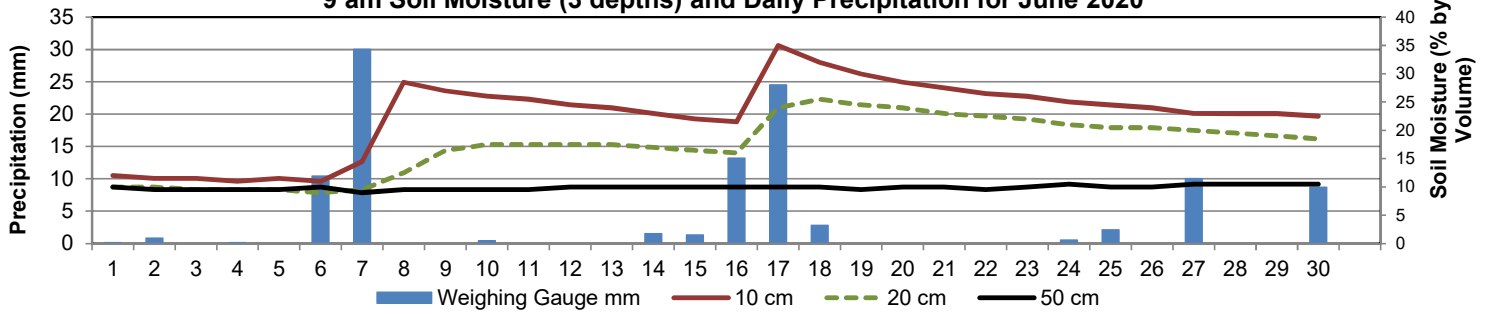
Day	2 meter Wind Speed			Soil Moisture at 0900 hrs (rounded to the 0.5%)															
	Daily Average	Max ½ hr Avg	½ hr Extreme Max	10 cm	20 cm	50 cm													
	km/h	km/h	km/h	% by volume (soil type is Loam (45.5% Sand, 41.1% Silt, 13.3% Clay))															
1	29.0	48.6	70.2	12.0	10.0	10.0													
2	14.0	21.7	36.8	11.5	10.0	9.5													
3	25.0	38.0	60.4	11.5	9.5	9.5													
4	19.0	25.8	40.8	11.0	9.5	9.5													
5	10.0	18.5	28.1	11.5	9.5	9.5													
6	22.0	30.3	51.7	11.0	9.0	10.0													
7	20.0	30.2	47.7	14.5	9.5	9.0													
8	10.0	18.5	28.7	28.5	12.5	9.5													
9	9.0	20.2	31.6	27.0	16.5	9.5													
10	11.0	21.9	48.3	26.0	17.5	9.5													
11	11.0	17.2	28.7	25.5	17.5	9.5													
12	21.0	26.4	44.2	24.5	17.5	10.0													
13	24.0	29.6	51.7	24.0	17.5	10.0													
14	13.0	27.2	46.0	23.0	17.0	10.0													
15	15.0	30.0	45.4	22.0	16.5	10.0													
16	7.0	13.2	21.2	21.5	16.0	10.0													
17	15.0	22.7	33.3	35.0	24.0	10.0													
18	15.0	20.2	35.6	32.0	25.5	10.0													
19	12.0	24.9	42.5	30.0	24.5	9.5													
20	10.0	15.1	25.8	28.5	24.0	10.0													
21	6.0	11.7	22.4	27.5	23.0	10.0													
22	6.0	11.1	23.5	26.5	22.5	9.5													
23	6.0	14.2	22.9	26.0	22.0	10.0													
24	10.0	17.4	27.5	25.0	21.0	10.5													
25	11.0	19.5	32.1	24.5	20.5	10.0													
26	10.0	22.9	35.0	24.0	20.5	10.0													
27	9.0	14.9	27.0	23.0	20.0	10.5													
28	9.0	17.6	27.0	23.0	19.5	10.5													
29	13.0	17.4	25.2	23.0	19.0	10.5													
30	12.0	18.8	27.5	22.5	18.5	10.5													
Total																			
Mean				23	17	10													
Extreme	29.0	48.6	70.2	35.0	25.5	10.5													
Date	1	1	1																

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

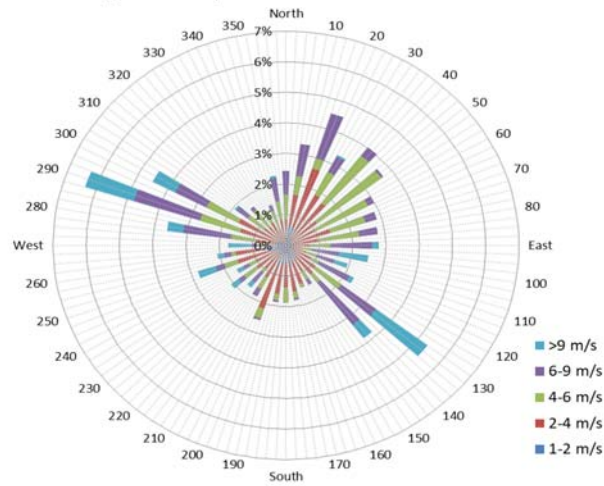
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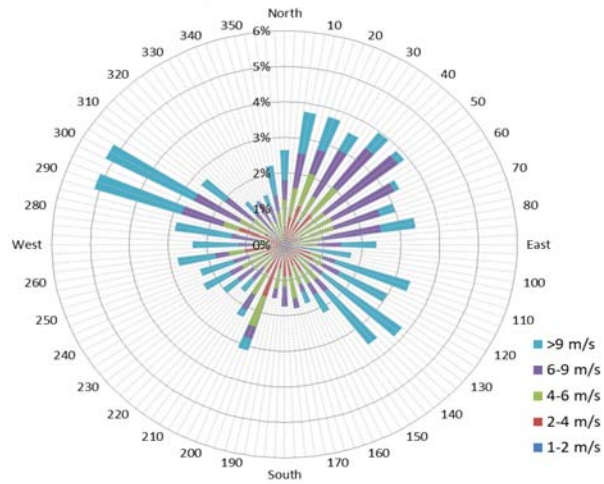
9 am Soil Moisture (3 depths) and Daily Precipitation for June 2020



10 minute Average Wind Speed and Direction Saskatoon June 2020



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





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

Preliminary **JUNE 2020**

Extreme Records for June

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
41.5	06/1988	S2	41.0	05/1988	186.8	1942	S	171.0	2005	117	01 ^S 1986	109.7 ^{SW}	22/2005	370.6	1978	30	1969*
-3.9	02/1917	US	-3.3	06/1967	5.0	2003	KCS	13.0	1985					175.3	2005	25	2002, 05

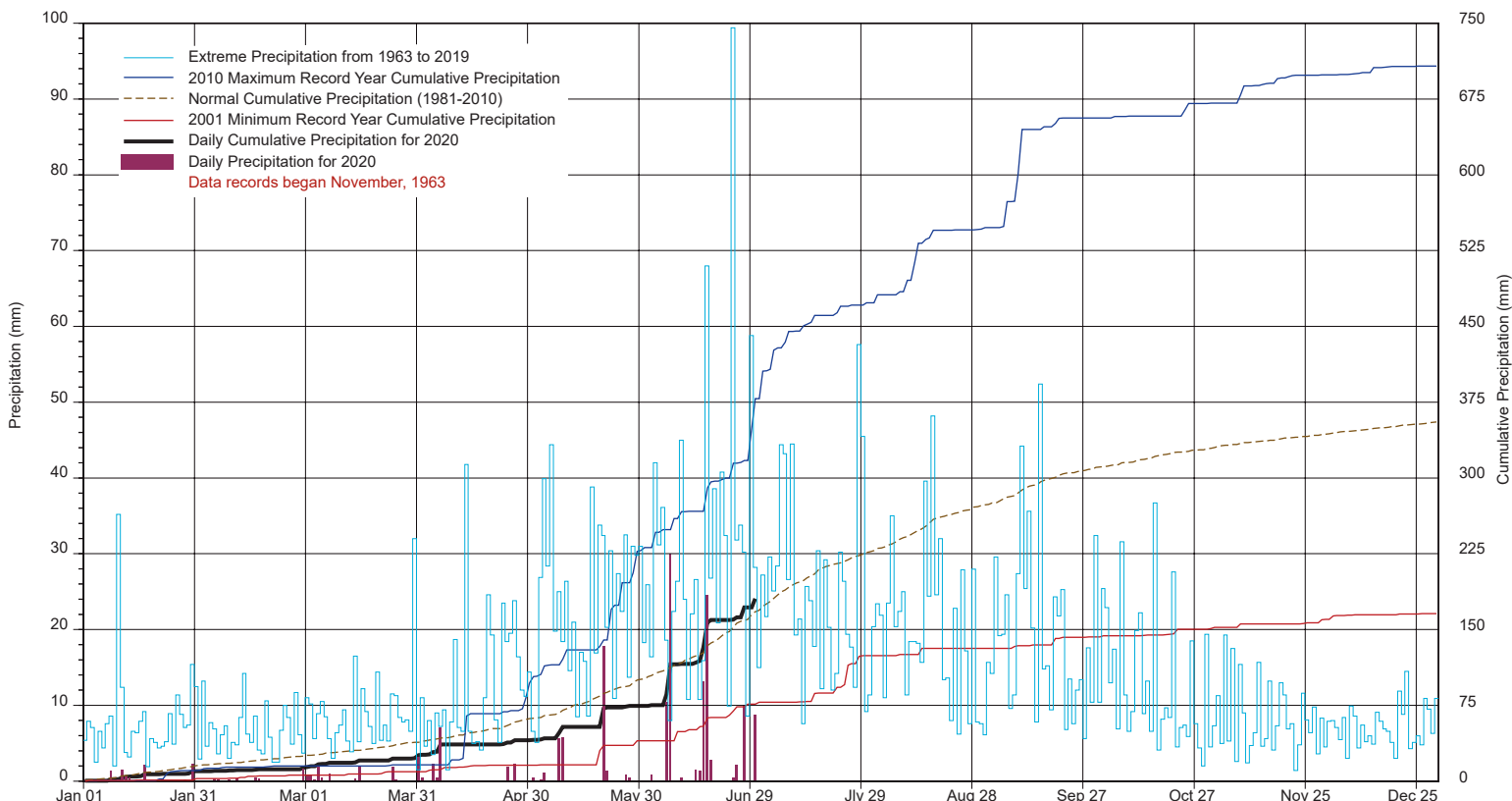
**1975 forward * more than one year

Notable Events for CRS Saskatoon - June						Saskatoon Area Stations			Glossary			
Element	Type	Day	New Record	Old Record	Year	SM	NWMP	c. 1892-1901	T	Trace of precipitation		
Temperature	Highest Mean Daily	13	22.5	22.0	1995	SE	Eby	1901-1941	Normal	30 year average beginning with the decade		
	Daily Growing Degree-Days	13	17.5	17	1995	US	Univ. of Sask.	1915-1964	SOG	Depth of snow-on-the-ground in cm		
	Daily Cooling Degree-Days	13	4.5	4	1995	S	Saskatoon	1941-1942	na	not available		
Precipitation	Daily total	7	30	8	1981	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 June 4 between 7 and 9pm. Tipping bucket replacement (TR-525USW) installed (24 June 2020)			
K	S'toon Kernen Farm	1993-2004										
KCS	S'toon Kernen Farm CS	1996-										
RCS	Environment Canada	2008-										
SF	Sutherland Forestry	1943-1970										

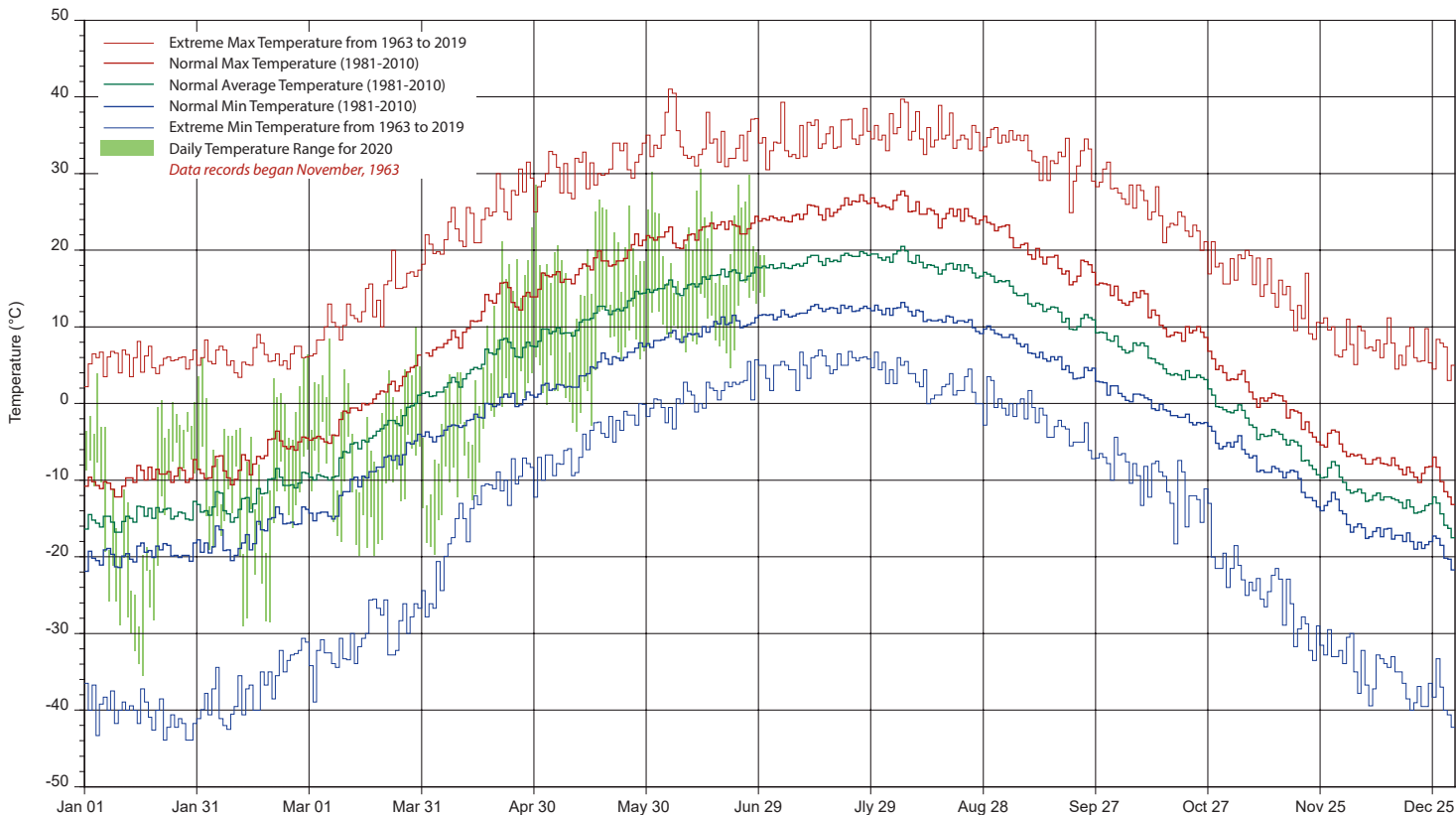
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2020 TEMPERATURES AND NORMALS



SRC proudly recongnizes the following CRS supporters:

