



SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

SASKATOON STATION 4057180

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

Preliminary FEBRUARY 2015

Table with columns: Day, Temperature (Max, Normal Max, Min, Normal Min, Mean, Normal Mean), Degree-days (Growing, Heating, Cooling), Precipitation (Weighing Gauge, Notes, Snow-on-Ground), Relative Humidity (Max 1/2 hr Avg, Min 1/2 hr Avg), Station Pressure (Max 1/2 hr Avg, Min 1/2 hr Avg). Rows 1-28 and summary rows.

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

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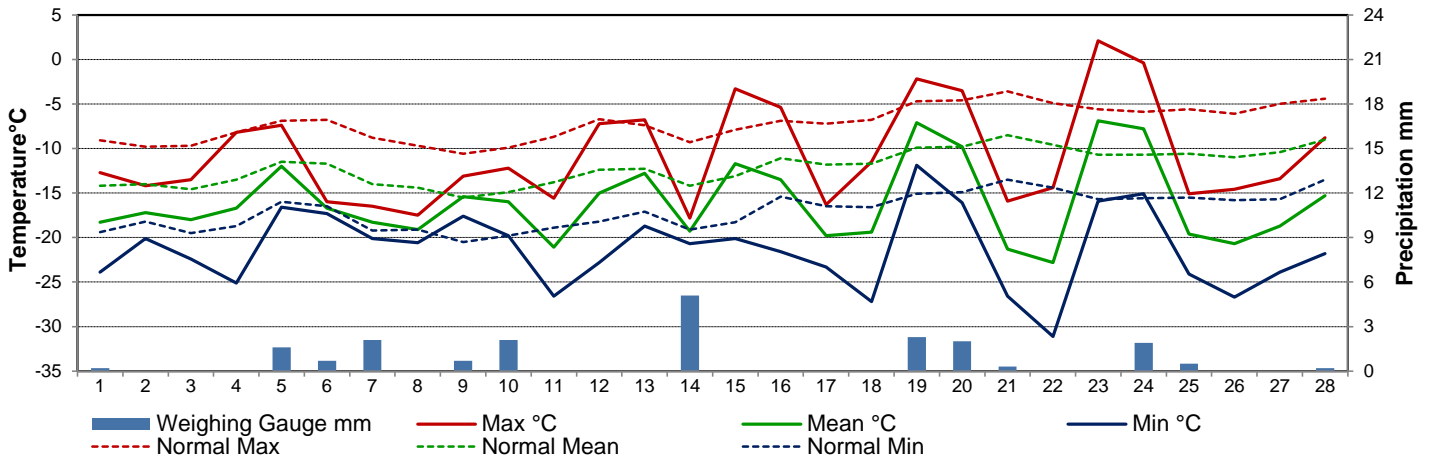


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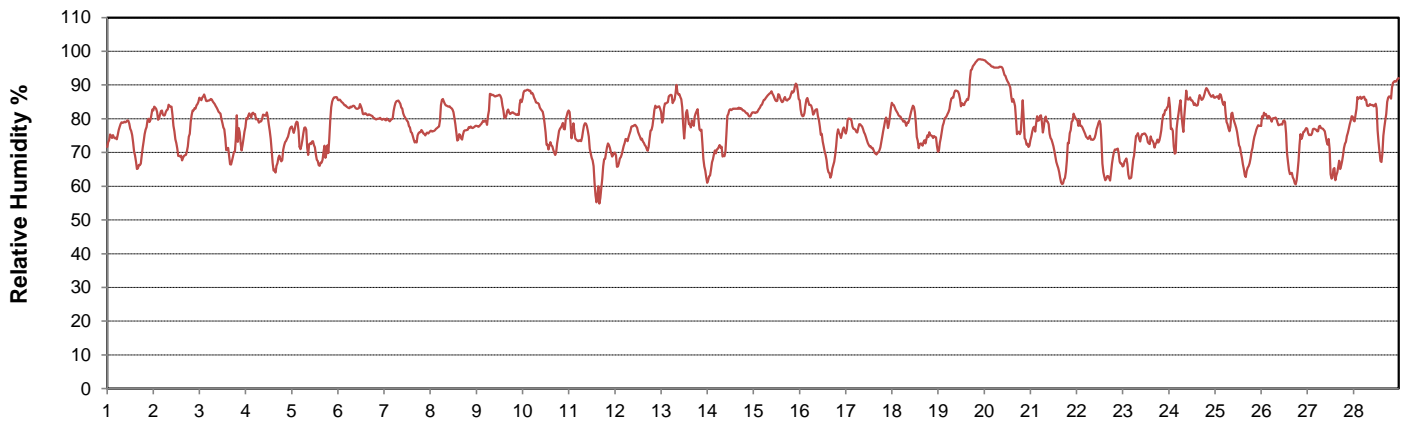
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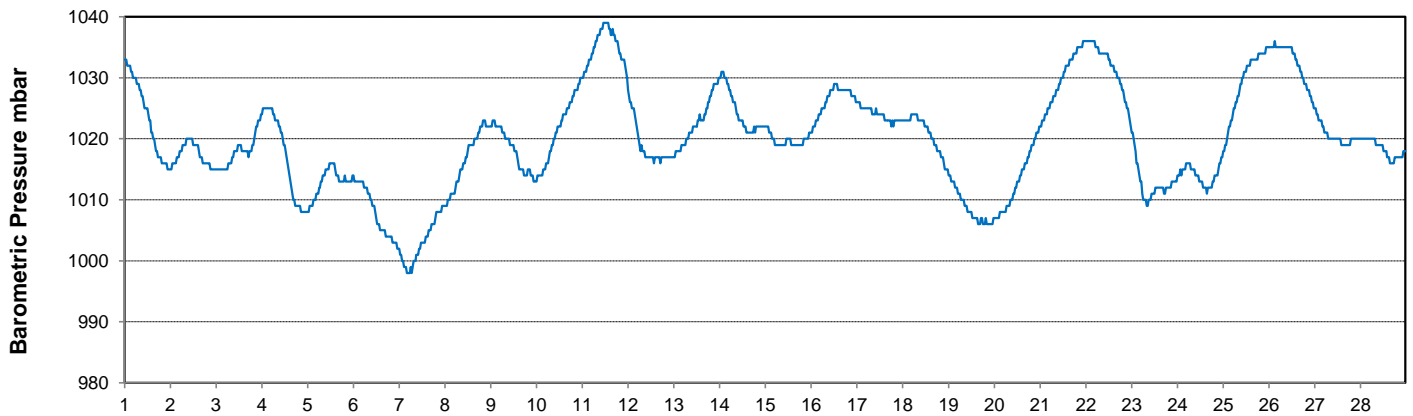
Temperature and Precipitation for February 2015



Relative Humidity for February 2015



Barometric Pressure Corrected to Sea Level for February 2015





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Preliminary FEBRUARY 2015

Day	Wind Gust			Soil Temperatures at 0900hrs								Soil Moisture 30 cm	Radiation				
	Max	Direction	Time	Surface	5 cm	10 cm	20 cm	50 cm	100 cm	150 cm	300 cm		0900hrs	Bright Sunshine	Possible	% Possible	Global
	km/h			°C	°C	°C	°C	°C	°C	°C	°C	%	hours	hours		MJ/m ²	MJ/m ²
1	23.1	SSW	11:42	-23.5	-5.5	-4.5	-2.5	0.5	2.0	3.0	5.5	8.7	5.5	9.1	60.3	5.3	2.8
2	27.0	NNE	3:24	-20.0	-6.5	-5.5	-3.5	0.0	2.0	3.0	5.5	8.5	6.2	9.2	67.6	7.0	2.0
3	43.2	N	19:40	-21.5	-7.0	-6.5	-4.5	0.0	2.0	3.0	5.5	8.4	8.1	9.2	87.8	7.8	1.6
4	44.5	SSW	15:39	-24.5	-9.0	-8.0	-5.5	-0.5	2.0	3.0	5.5	8.1	6.8	9.3	73.2	8.1	2.0
5	36.1	ENE	23:50	-14.0	-7.5	-7.0	-5.5	-1.0	2.0	3.0	5.5	8.3	4.7	9.4	50.3	5.6	2.9
6	47.6	E	19:05	-16.0	-7.5	-6.5	-5.5	-1.0	2.0	3.0	5.0	8.3	0.0	9.4	0.0	2.8	2.3
7	47.8	ESE	1:14	-19.0	-7.5	-7.0	-5.5	-1.0	1.5	3.0	5.0	8.2	7.8	9.5	82.4	6.9	2.0
8	22.1	NE	7:00	-20.0	-7.5	-7.0	-6.0	-1.5	1.5	3.0	5.0	8.3	1.3	9.5	13.6	4.8	3.8
9	32.8	E	21:34	-17.0	-7.5	-7.0	-5.5	-1.5	1.5	3.0	5.0	8.4	0.1	9.6	1.0	4.5	3.7
10	39.0	NW	13:58	-15.5	-6.5	-6.0	-5.5	-2.0	1.5	3.0	5.0	8.5	6.1	9.7	63.1	7.2	2.9
11	39.0	NNE	2:49	-27.5	-6.5	-6.0	-5.0	-2.0	1.5	3.0	5.0	8.4	8.7	9.7	89.5	9.2	1.5
12	28.7	SSE	21:41	-15.0	-7.0	-6.5	-5.5	-2.0	1.0	2.5	5.0	8.4	4.4	9.8	45.0	6.7	3.0
13	39.7	E	3:33	-12.5	-6.0	-5.5	-5.0	-2.0	1.0	2.5	5.0	8.6	0.6	9.8	6.1	5.1	4.1
14	52.3	SE	9:21	-19.0	-5.5	-5.0	-4.5	-2.0	1.0	2.5	5.0	8.5	0.0	9.9	0.0	2.3	1.9
15	22.0	NNE	23:07	-13.0	-6.0	-5.5	-4.5	-2.0	1.0	2.5	5.0	8.5	1.0	10.0	10.0	6.1	4.6
16	36.8	NNE	6:30	-16.0	-5.5	-5.0	-4.5	-2.0	1.0	2.5	5.0	8.7	8.4	10.0	83.7	9.1	2.9
17	32.9	WNW	6:57	-23.0	-5.0	-4.5	-4.0	-2.0	1.0	2.5	5.0	8.7	9.5	10.1	94.1	10.8	2.2
18	31.8	SE	18:20	-25.0	-4.5	-4.5	-4.0	-2.0	1.0	2.5	5.0	8.6	1.0	10.2	9.8	6.5	5.0
19	29.1	SE	0:12	-10.0	-4.5	-4.5	-4.0	-2.0	1.0	2.5	4.5	8.7	0.7	10.2	6.8	5.8	4.5
20	34.4	NNE	13:30	-6.5	-4.0	-4.0	-3.5	-2.0	1.0	2.0	4.5	8.9	0.7	10.3	6.8	6.2	4.9
21	36.4	N	11:48	-26.0	-4.0	-3.5	-3.5	-1.5	1.0	2.0	4.5	9.0	10.1	10.4	97.5	13.0	2.1
22	30.8	SSW	23:35	-31.0	-4.0	-3.5	-3.0	-1.5	1.0	2.0	4.5	8.9	10.1	10.4	96.8	11.6	2.1
23	49.7	SW	5:29	-5.0	-4.0	-3.5	-3.0	-1.5	0.5	2.0	4.5	8.8	8.2	10.5	78.2	9.8	3.5
24	32.7	NE	20:00	-10.0	-3.5	-3.5	-3.0	-1.5	0.5	2.0	4.5	9.1	0.0	10.6	0.0	3.5	2.9
25	33.3	N	11:21	-22.5	-3.5	-3.0	-3.0	-1.5	0.5	2.0	4.5	9.1	10.3	10.6	97.0	12.4	2.1
26	22.5	S	21:56	-28.5	-3.5	-3.0	-3.0	-1.5	0.5	2.0	4.5	9.0	10.4	10.7	97.3	13.1	2.2
27	21.4	S	0:22	-23.0	-3.5	-3.0	-2.5	-1.5	0.5	2.0	4.5	8.9	9.6	10.8	89.2	11.2	5.1
28	28.3	WSW	16:08	-22.0	-3.5	-3.0	-3.0	-1.5	0.5	2.0	4.5	8.9	7.5	10.8	69.3	11.7	5.0
Total													147.8	278.59	53.1	214.1	85.6
Mean				-18.8	-5.6	-5.1	-4.2	-1.4	1.2	2.5	4.9	8.6	1981-2010 Normal for Radiation				
Extreme	52.3	SE	9:21	1971- 2000 Normal for Soil Temperatures									132.6	281.1	47.2	213.0	104.0
Date	14			-7.0	-6.7	-6.1	-3.5	-0.8	0.8	3.4		No. of Bright Sunshine days = 25					

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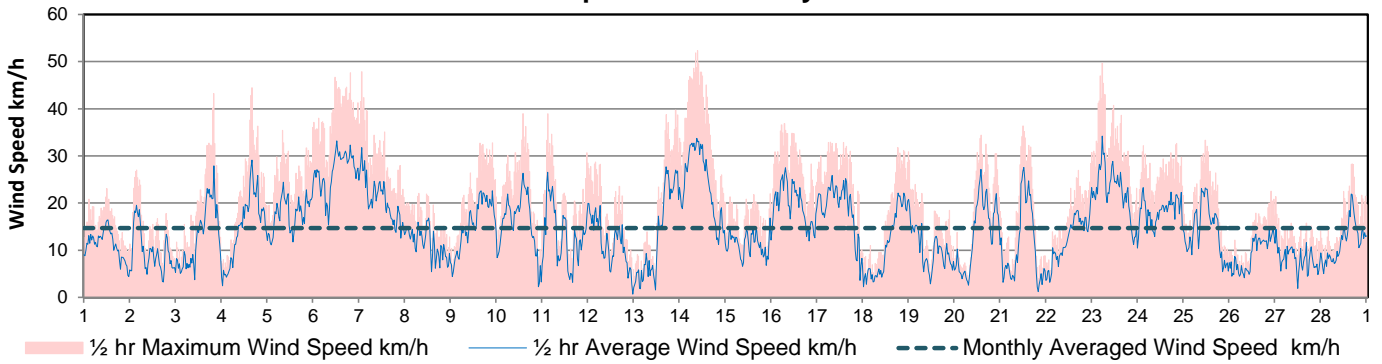


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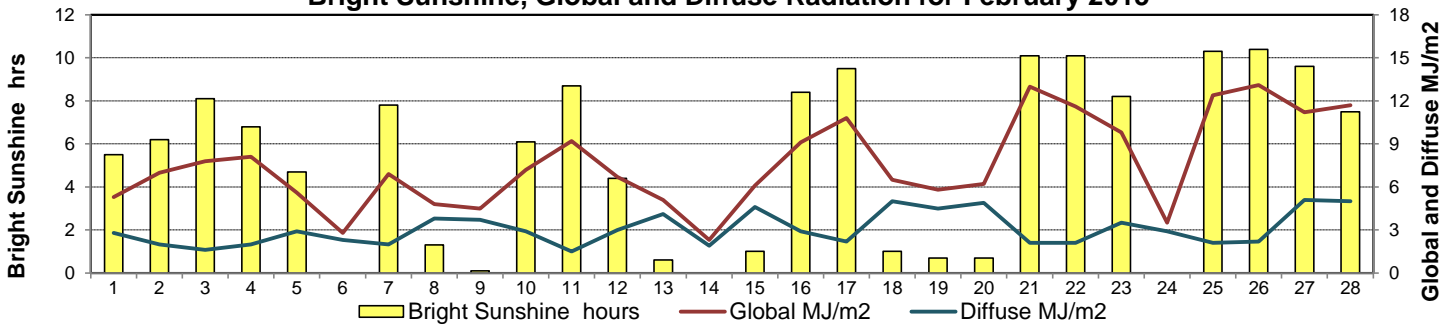
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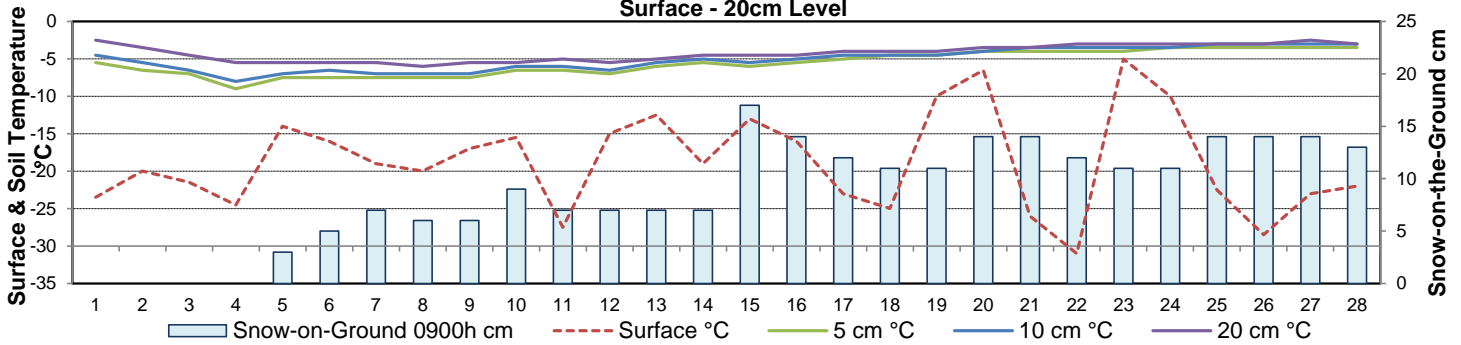
Wind Speed for February 2015



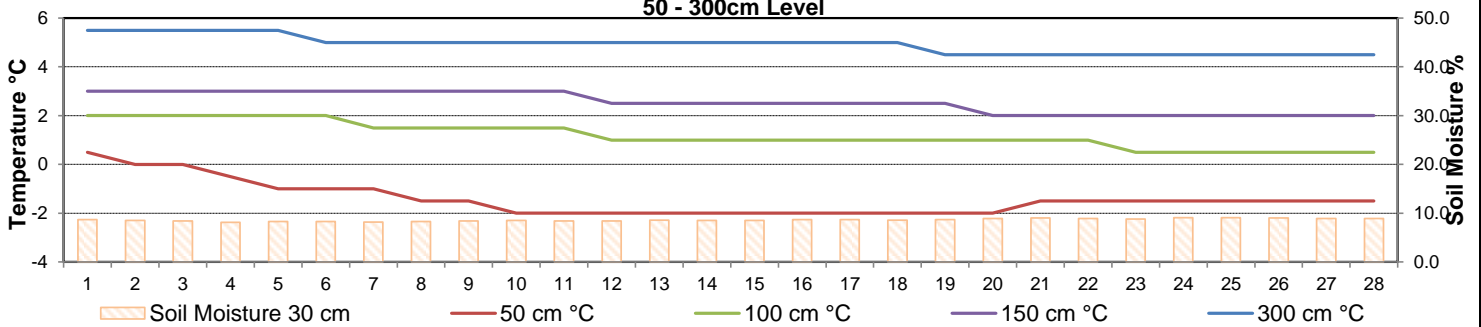
Bright Sunshine, Global and Diffuse Radiation for February 2015



**Soil Temperatures for February 2015
Surface - 20cm Level**



**Soil Temperatures for February 2015
50 - 300cm Level**





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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	8.3 02/2005	43.7	1924	SE	40.2 1979	106 ^N	22/1988	82.3 ^{NNW}	10/2004	186.9	1980	28	1978&84
-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	SM	NWMP	c. 1892-1901	T	Trace of precipitation
Bright Sunshine	No of days with less than 1 hr but greater than 0		6	6	1972	SE	Eby	1901-1941	Normal	30 year average beginning with the decade
	No of days >= 10 hrs		4	3	2009	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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