



SRC CLIMATE REFERENCE STATION DAILY DATA REPORT



SASKATOON STATION 4057180

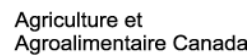
52°09' N 106°36' W 497 m asl Estab. 1963

Preliminary **MARCH 2015**

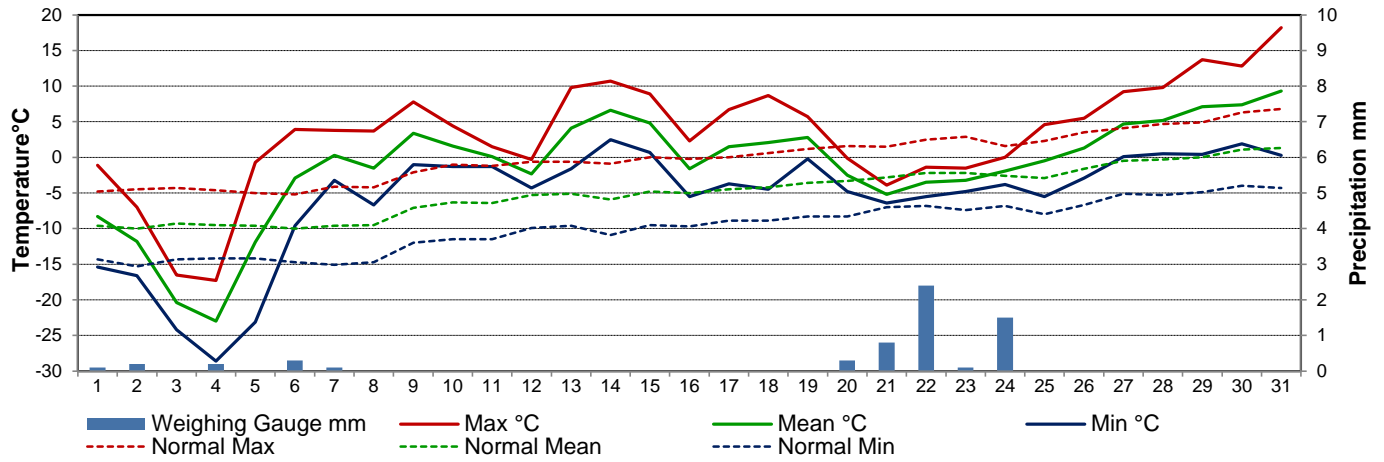
Day	Temperature						Degree-days			Precipitation			Relative Humidity		Station Pressure (sea level)	
	Max	Normal Max	Min	Normal Min	Mean	Normal Mean	Growing	Heating	Cooling	Weighing Gauge	Notes	Snow-on-Ground 0900h	Max ½ hr Avg	Min ½ hr Avg	Max ½ hr Avg	Min ½ hr Avg
	°C	1981-2010	°C	1981-2010	°C	1981-2010	5°C base	18°C base	18°C base	mm		cm	%	%	mbar	mbar
1	-1.1	-4.8	-15.4	-14.3	-8.3	-9.6	0.0	26.3	0.0	0.1	lite snow	13	92	61	1023	1016
2	-7.0	-4.5	-16.6	-15.3	-11.8	-10.0	0.0	29.8	0.0	0.2	lite snow	14	85	64	1018	1005
3	-16.5	-4.3	-24.2	-14.3	-20.4	-9.3	0.0	38.4	0.0	0.0		16	78	53	1022	1015
4	-17.3	-4.6	-28.6	-14.2	-23.0	-9.5	0.0	41.0	0.0	0.2	manual SOG 15	16	75	51	1025	1017
5	-0.7	-5.0	-23.1	-14.2	-11.9	-9.6	0.0	29.9	0.0	0.0		16	80	56	1016	1012
6	3.9	-5.2	-9.6	-14.7	-2.9	-10.0	0.0	20.9	0.0	0.3	snow / freezing rain	16	91	77	1018	1009
7	3.8	-4.1	-3.2	-15.1	0.3	-9.6	0.0	17.7	0.0	0.1		14	95	66	1018	1014
8	3.7	-4.2	-6.7	-14.7	-1.5	-9.5	0.0	19.5	0.0	0.0		14	88	61	1015	1006
9	7.8	-2.1	-1.0	-12.0	3.4	-7.1	0.0	14.6	0.0	0.0		14	87	60	1006	1001
10	4.4	-1.0	-1.3	-11.5	1.6	-6.3	0.0	16.4	0.0	0.0		11	90	69	1016	1006
11	1.5	-1.2	-1.3	-11.5	0.1	-6.4	0.0	17.9	0.0	0.0	discontinuous snow pack	10	90	66	1016	1010
12	-0.3	-0.6	-4.3	-9.9	-2.3	-5.3	0.0	20.3	0.0	0.0		10	98	91	1020	1011
13	9.8	-0.6	-1.6	-9.6	4.1	-5.1	0.0	13.9	0.0	0.0		10	99	57	1022	1016
14	10.7	-0.9	2.5	-10.9	6.6	-5.9	1.6	11.4	0.0	0.0		5	84	56	1016	992
15	8.9	0.0	0.7	-9.5	4.8	-4.8	0.0	13.2	0.0	0.0		0	74	51	1015	994
16	2.3	-0.2	-5.5	-9.7	-1.6	-5.0	0.0	19.6	0.0	0.0	no snow pack	0	80	35	1030	1016
17	6.7	0.0	-3.7	-8.9	1.5	-4.5	0.0	16.5	0.0	0.0		0	85	35	1030	1020
18	8.7	0.6	-4.5	-8.9	2.1	-4.2	0.0	15.9	0.0	0.0		0	94	35	1020	1013
19	5.7	1.2	-0.2	-8.3	2.8	-3.6	0.0	15.2	0.0	0.0		0	92	70	1013	1011
20	-0.1	1.6	-4.8	-8.3	-2.5	-3.3	0.0	20.5	0.0	0.3	lite snow	1	95	49	1022	1013
21	-3.9	1.5	-6.4	-7.0	-5.2	-2.8	0.0	23.2	0.0	0.8		1	89	56	1022	1017
22	-1.4	2.5	-5.5	-6.8	-3.5	-2.2	0.0	21.5	0.0	2.4	snow / freezing rain	5	97	87	1018	1012
23	-1.5	2.9	-4.8	-7.4	-3.2	-2.2	0.0	21.2	0.0	0.1		6	98	79	1018	1013
24	0.0	1.6	-3.8	-6.8	-1.9	-2.6	0.0	19.9	0.0	1.5	lite snow	6	97	74	1017	1011
25	4.6	2.3	-5.5	-8.0	-0.5	-2.9	0.0	18.5	0.0	0.0		5	91	51	1021	1017
26	5.5	3.5	-2.9	-6.7	1.3	-1.6	0.0	16.7	0.0	0.0	no snow pack	0	90	59	1020	1013
27	9.2	4.1	0.1	-5.1	4.7	-0.5	0.0	13.3	0.0	0.0		0	98	70	1013	1009
28	9.8	4.7	0.5	-5.3	5.2	-0.3	0.2	12.8	0.0	0.0		0	98	68	1010	996
29	13.7	4.9	0.4	-4.9	7.1	0.0	2.1	10.9	0.0	0.0		0	92	38	1013	1006
30	12.8	6.3	1.9	-4.0	7.4	1.1	2.4	10.6	0.0	0.0		0	87	42	1012	1006
31	18.2	6.8	0.3	-4.3	9.3	1.3	4.3	8.7	0.0	0.0		0	85	39	1011	994
Total							10.6	596.2	0.0	6.0			Extreme / Date	Extreme / Date	Extreme / Date	Extreme / Date
Avg	3.3	0.0	-5.7	-9.7	-1.2	-4.9	1981-2010 Normal			13.8	Normal					
Extreme Date	18.2		-28.6				3.0	708.8	0.0	32.9	Cumulative		99	35	1030	992
Date	31		4							38.6	Cumulative No		13	16	16	14

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

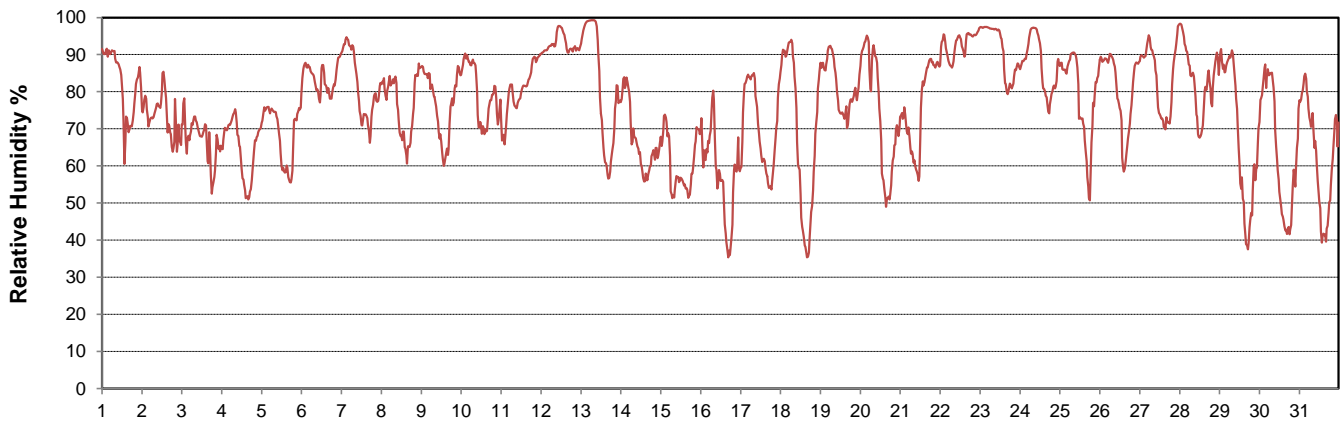
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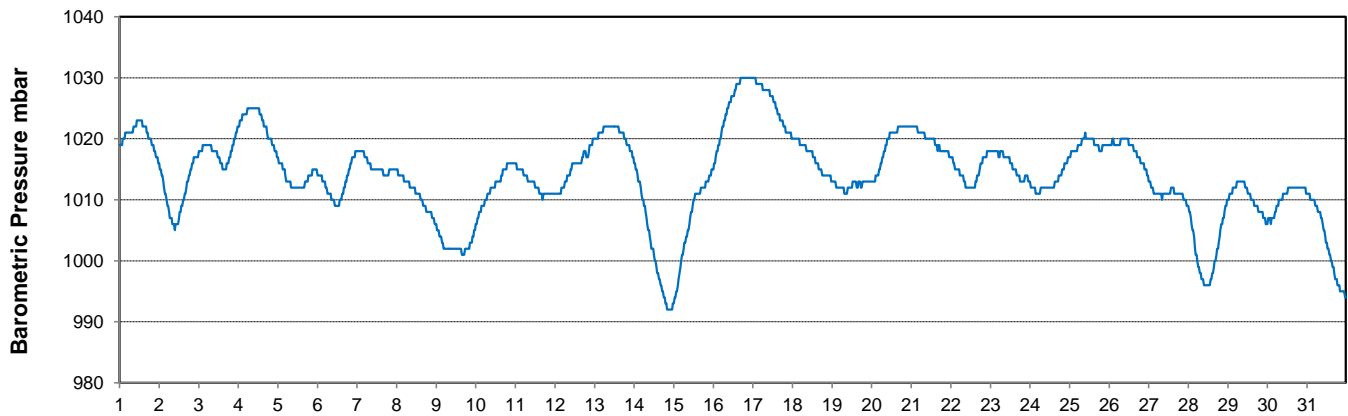
Temperature and Precipitation for March 2015



Relative Humidity for March 2015



Barometric Pressure Corrected to Sea Level for March 2015





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SASKATOON STATION 4057180

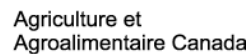
52°09' N 106°36' W 497 m asl Estab. 1963

Preliminary MARCH 2015

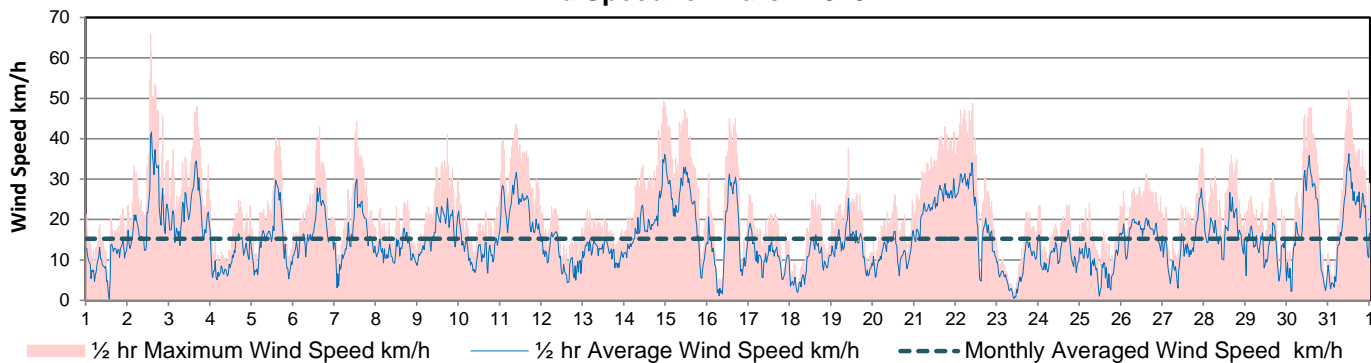
Day	Wind Gust			Soil Temperatures at 0900hrs								Soil Moisture 30 cm	Radiation				
	Max	Direction	Time	Surface	5 cm	10 cm	20 cm	50 cm	100 cm	150 cm	300 cm		0900hrs	Bright Sunshine	Possible	% Possible	Global
	km/h			°C	°C	°C	°C	°C	°C	°C	°C	%	hours	hours		MJ/m ²	MJ/m ²
1	23.2	S	23:57	-12.0	-3.5	-3.0	-3.0	-1.5	0.5	2.0	4.5	9	8.8	10.9	80.8	11.5	3.8
2	65.8	NNW	13:26	-12.0	-3.5	-3.0	-2.5	-1.5	0.5	2.0	4.5	9	4.6	11.0	42.0	9.1	6.4
3	47.9	NW	15:53	-19.5	-3.0	-3.0	-2.5	-1.5	0.5	2.0	4.5	8.9	9.1	11.0	82.6	11.1	5.6
4	24.8	WSW	16:20	-26.0	-3.5	-3.0	-2.5	-1.5	0.5	2.0	4.0	8.8	10.6	11.1	95.6	13.5	2.2
5	40.3	WNW	13:43	-17.5	-4.0	-3.5	-3.0	-1.5	0.5	2.0	4.0	8.8	10.3	11.2	92.3	12.3	2.5
6	42.9	NW	15:13	-5.0	-4.0	-3.5	-3.0	-1.5	0.5	2.0	4.0	9	4.7	11.2	41.9	8.1	3.9
7	44.2	NW	12:33	-2.0	-3.0	-2.5	-2.5	-1.5	0.5	2.0	4.0	9.6	8.2	11.3	72.6	11.7	3.1
8	24.8	WSW	18:07	-7.0	-2.0	-2.0	-2.0	-1.5	0.5	2.0	4.0	10.2	10.4	11.4	91.5	13.4	2.0
9	41.0	W	17:19	-0.5	-1.5	-1.5	-1.5	-1.0	0.5	2.0	4.0	10.7	6.9	11.4	60.4	10.9	3.9
10	26.5	WNW	0:06	-1.0	-0.5	-0.5	-1.0	-1.0	0.5	2.0	4.0	11.2	7.8	11.5	67.8	11.7	4.5
11	43.7	SE	9:12	-1.0	-0.5	-0.5	-1.0	-1.0	0.5	2.0	4.0	11.4	2.7	11.6	23.4	7.9	6.0
12	23.3	NNE	2:18	-3.5	-0.5	-0.5	-0.5	-0.5	0.5	1.5	4.0	11.6	0.1	11.6	0.9	4.6	3.8
13	22.4	WSW	5:34	-1.0	0.0	0.0	-0.5	-0.5	0.5	1.5	4.0	11.7	10.4	11.7	88.9	13.3	3.2
14	49.2	WSW	22:51	4.0	0.0	0.0	-0.5	-0.5	0.5	1.5	4.0	12.3	1.7	11.8	14.4	7.6	5.8
15	47.2	WNW	10:40	3.5	0.0	0.0	-0.5	-0.5	0.5	1.5	4.0	12.9	9.8	11.8	82.8	13.2	4.2
16	45.0	NW	16:08	-3.5	0.0	0.0	-0.5	-0.5	0.5	1.5	4.0	12.5	11.2	11.9	94.1	15.3	1.8
17	26.2	SW	0:06	-1.5	0.0	0.0	-0.5	-0.5	0.5	1.5	4.0	12.1	11.4	12.0	95.2	15.0	2.6
18	26.4	S	14:40	-1.5	-0.5	0.0	-0.5	-0.5	0.5	1.5	4.0	12.4	11.4	12.0	94.7	16.8	2.1
19	37.5	WNW	9:46	1.0	0.0	0.0	-0.5	-0.5	0.5	1.5	4.0	12.9	9.5	12.1	78.4	13.2	5.2
20	26.1	ENE	12:58	-4.5	0.0	0.0	0.0	0.0	0.5	1.5	4.0	13	9.4	12.2	77.2	15.2	2.5
21	43.0	E	17:49	-5.5	0.0	0.0	0.0	0.0	0.5	1.5	3.5	12.2	0.0	12.2	0.0	5.2	4.1
22	48.8	SE	9:42	-5.0	0.0	0.0	0.0	0.0	0.5	1.5	3.5	12	0.0	12.3	0.0	3.9	3.1
23	23.3	E	23:49	-4.5	-0.5	0.0	0.0	0.0	1.0	1.5	3.5	12	0.0	12.4	0.0	5.4	4.3
24	23.7	NNW	17:31	-3.0	-0.5	0.0	0.0	0.0	1.0	1.5	3.5	12.1	1.4	12.4	11.3	9.5	7.2
25	24.0	NW	5:28	-4.5	0.0	0.0	0.0	0.0	1.0	1.5	3.5	12.2	8.7	12.5	69.5	14.9	5.4
26	31.2	SSE	14:30	-2.0	0.0	0.0	0.0	0.0	1.0	1.5	3.5	12.5	6.2	12.6	49.3	11.7	7.7
27	37.8	SE	22:47	3.0	0.0	0.0	0.0	0.0	1.0	1.5	3.5	13.3	8.3	12.7	65.6	14.9	4.0
28	35.9	N	15:52	6.0	0.0	0.0	0.0	0.0	1.0	1.5	3.5	14.3	2.7	12.7	21.2	7.5	5.1
29	30.2	SW	15:53	3.0	0.0	0.0	0.0	0.0	1.0	1.5	3.5	14.6	10.9	12.8	85.3	17.3	2.4
30	47.8	WNW	14:10	5.5	0.0	0.0	0.0	0.0	1.0	2.0	3.5	16.1	12.3	12.9	95.7	18.5	1.6
31	52.0	SE	11:56	6.0	0.5	0.5	0.5	0.0	1.0	2.0	3.5	16.9	11.3	12.9	87.5	17.2	2.8
Total													220.8	368.98	59.8	361.4	122.8
Mean				-3.6	-1.0	-0.8	-0.9	-0.6	0.6	1.7	3.9	11.8	1981-2010 Normal for Radiation				
Extreme	65.8	NNW	13:26	1971-2000 Normal for Soil Temperatures									182.0	369.4	49.3	371.9	162.6
Date	2				-3.1	-2.8	-2.4	-1.5	-0.4	0.6	2.7		No. of Bright Sunshine days = 28				

Note: Red numbers indicate manual calculation

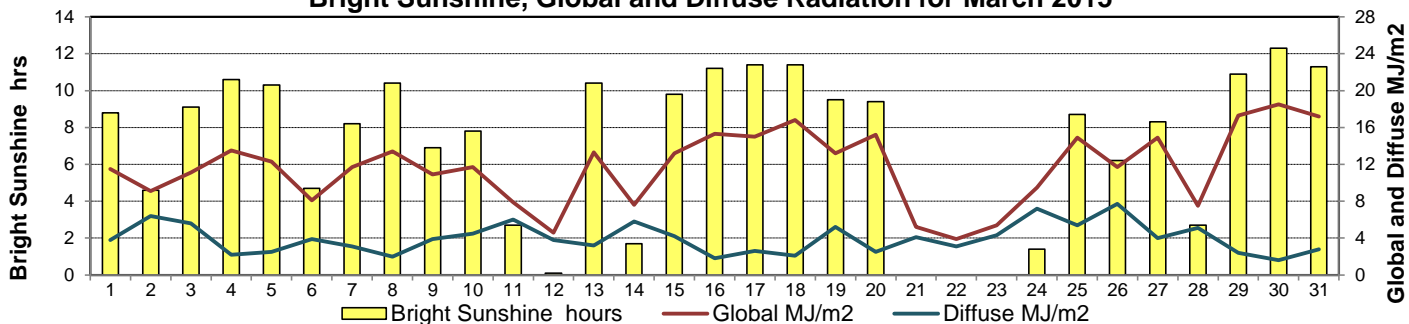
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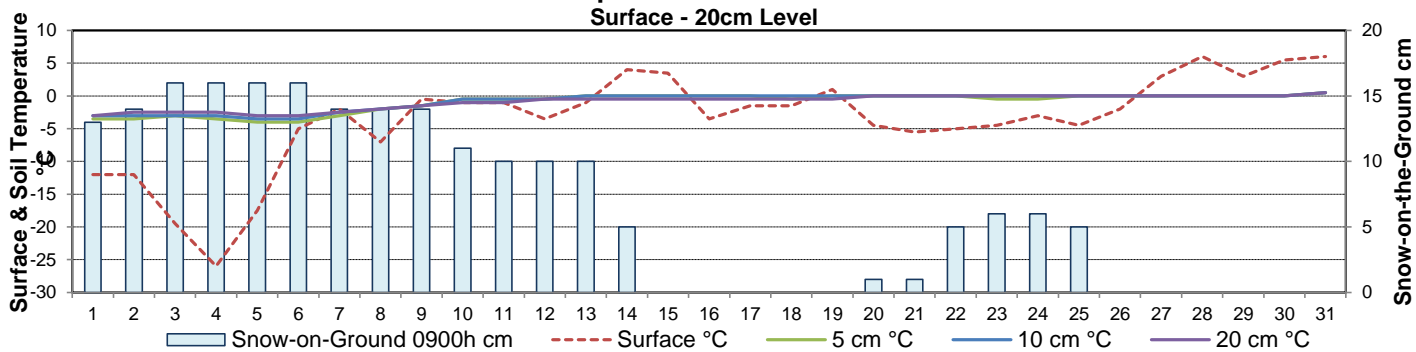
Wind Speed for March 2015



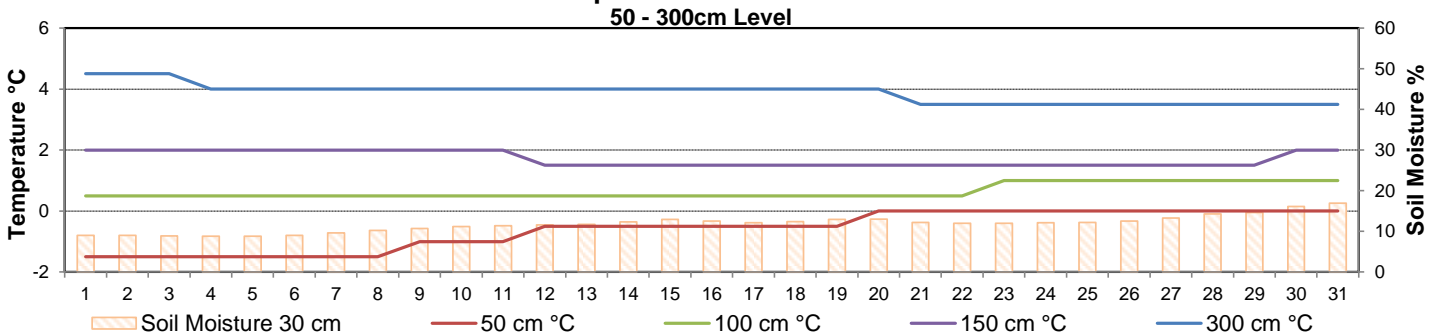
Bright Sunshine, Global and Diffuse Radiation for March 2015



Soil Temperatures for March 2015



Soil Temperatures for March 2015





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SASKATOON STATION 4057180

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

Preliminary **MARCH** 2015

Extreme Records for March

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
22.8	23/1910	SE	20.0	23/1993	59.0	1927	SE	57.1	1967	93 ^W	18/1959	89 ^W	08/1977	248.7	2013	31	1996*
-43.3	14/1897	SM	-38.9	02/1972	0.0	1915*	SE*	0.8	2010					102.8	1983	21	1983*

**1975 forward * more than one

Notable Events for CRS Saskatoon - March						Saskatoon Area Stations			Glossary		
Element	Type	Day	New Record	Old Record	Year	SM	NWMP	c. 1892-1901	T	Trace of precipitation	
Temperature	Highest Maximum Daily	14	10.7	8.0	1981	SE	Eby	1901-1941	Normal	30 year average beginning with the decade	
	Highest Minimum Daily	14	2.5	-0.5	1986	US	Univ. of Sask.	1915-1964	SOG	Depth of snow-on-the-ground in cm	
	Highest Mean Daily	14	6.6	2.8	1981	S	Saskatoon	1941-1942	na	not available	
			31	18.2	17.0	1994	SA	Saskatoon A	1942 -	Degree-days	
			31	9.3	8.0	2004	NRC	Nat. Res. Council	1952-1966	Tm	Mean Temperature
Number of Frost-Free Days			7	6	2012	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			

Summary

SRC proudly recognizes the following CRS supporters:

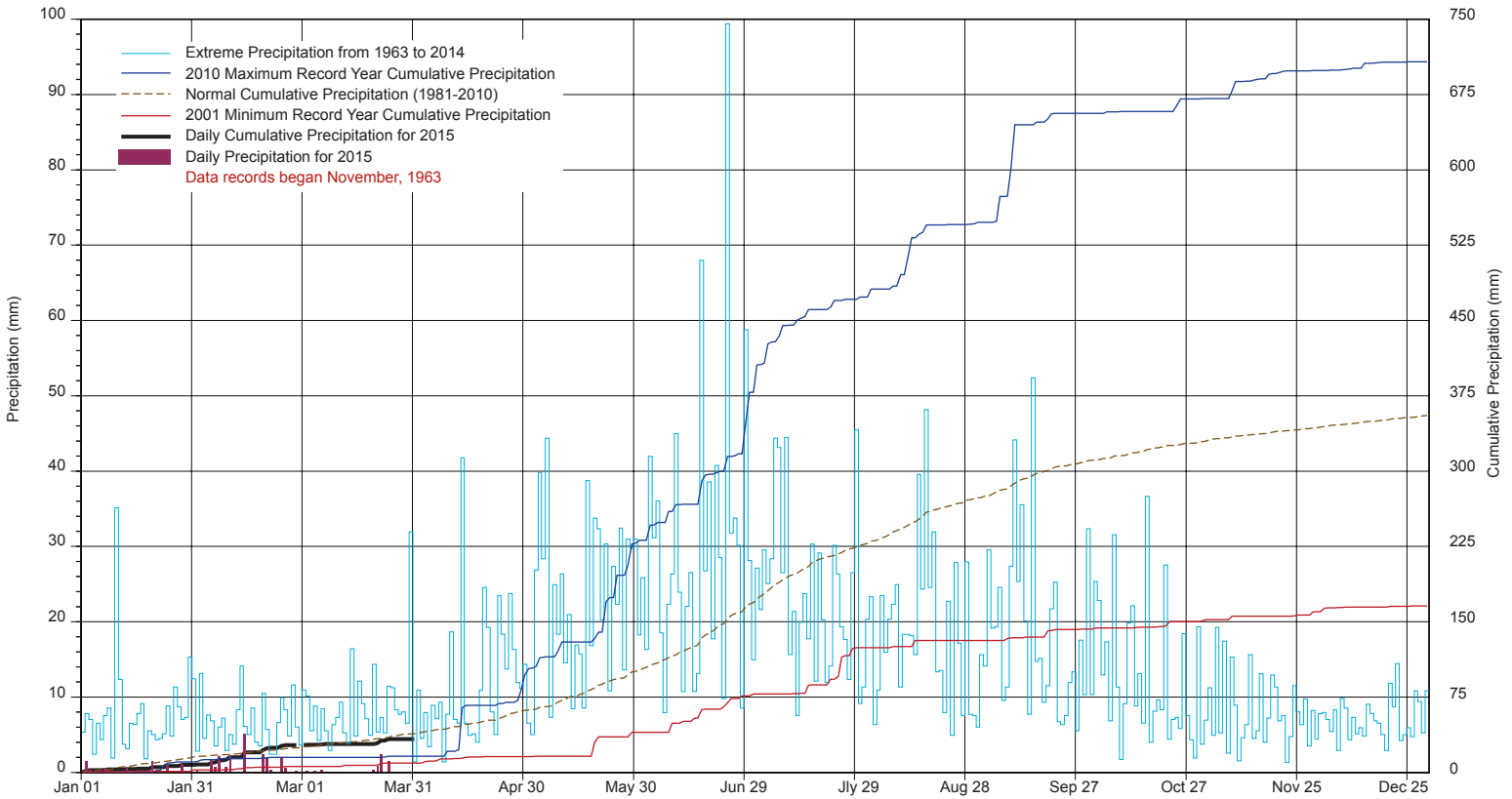


Agriculture and Agri-Food Canada

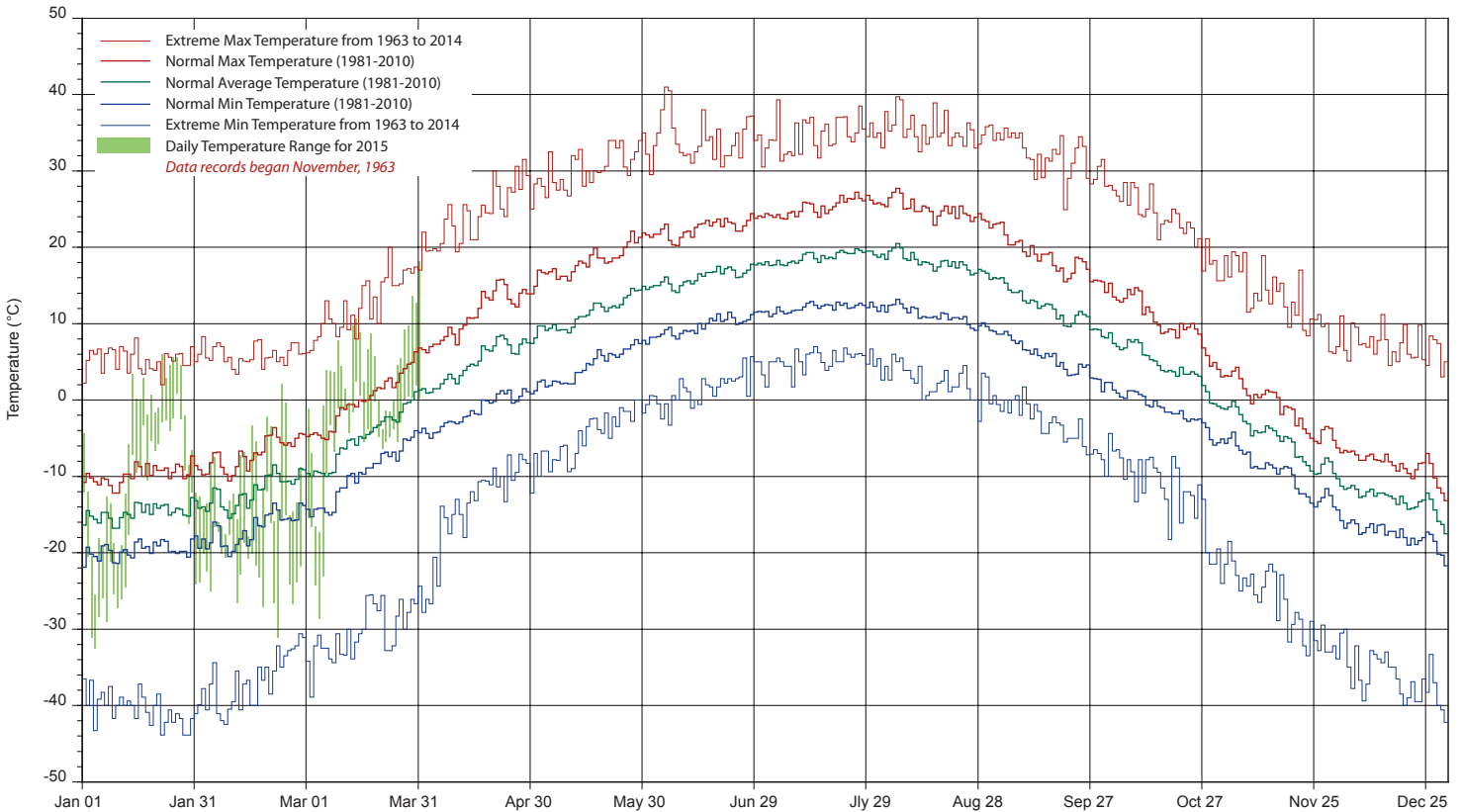
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2015 TEMPERATURES AND NORMALS



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