



SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

SASKATOON STATION 4057180

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



Preliminary **APRIL** 2015

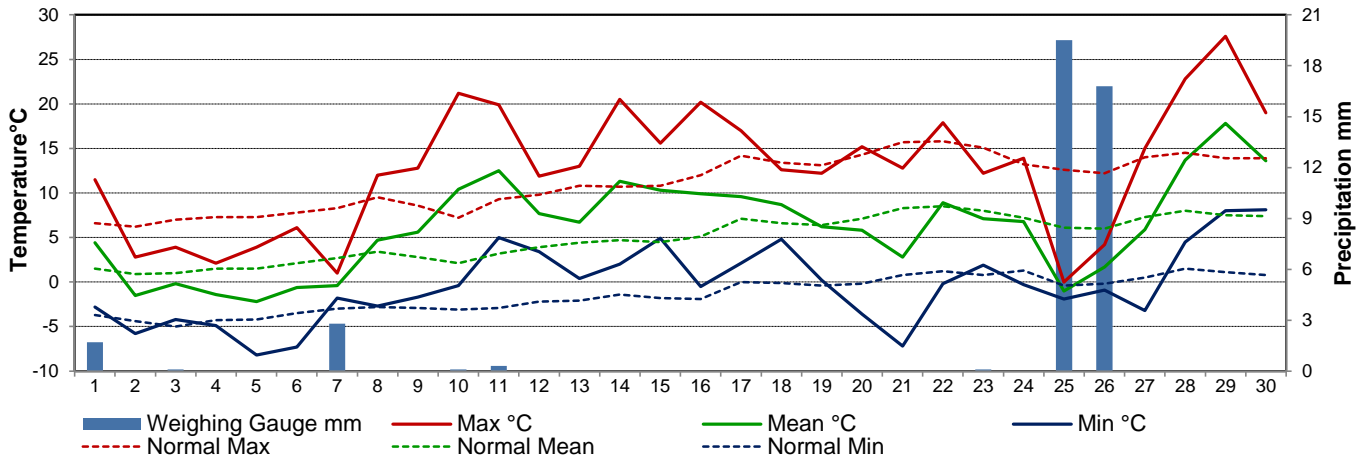
Day	Temperature						Degree-days			Precipitation			Relative Humidity		Station Pressure (sea level)	
	Max	Normal Max	Min	Normal Min	Mean	Normal Mean	Growing	Heating	Cooling	Weighing Gauge	Notes	Snow-on-Ground 0900h	Max ½ hr Avg	Min ½ hr Avg	Max ½ hr Avg	Min ½ hr Avg
	°C	1981-2010	°C	1981-2010	°C	1981-2010	5°C base	18°C base	18°C base	mm		cm	%	%	mbar	mbar
1	11.5	6.6	-2.8	-3.7	4.4	1.5	0.0	13.6	0.0	1.7	freezing rain & snow	0	97	48	1001	994
2	2.8	6.2	-5.8	-4.4	-1.5	0.9	0.0	19.5	0.0	0.0		4	93	42	1019	1002
3	3.9	7.0	-4.2	-5.0	-0.2	1.0	0.0	18.2	0.0	0.1		0	95	50	1021	1017
4	2.1	7.3	-4.9	-4.3	-1.4	1.5	0.0	19.4	0.0	0.0		0	92	33	1019	1017
5	3.9	7.3	-8.2	-4.2	-2.2	1.5	0.0	20.2	0.0	0.0		0	87	35	1019	1016
6	6.1	7.8	-7.3	-3.5	-0.6	2.1	0.0	18.6	0.0	0.0		0	90	35	1020	1018
7	1.0	8.3	-1.8	-3.0	-0.4	2.7	0.0	18.4	0.0	2.8	light snow	2	99	66	1018	1012
8	12.0	9.5	-2.7	-2.8	4.7	3.4	0.0	13.3	0.0	0.0		1	95	30	1013	1011
9	12.8	8.6	-1.7	-2.9	5.6	2.8	0.6	12.4	0.0	0.0		0	83	29	1015	1012
10	21.2	7.2	-0.4	-3.1	10.4	2.1	5.4	7.6	0.0	0.1		0	77	15	1014	1002
11	19.9	9.3	5.0	-2.9	12.5	3.2	7.5	5.5	0.0	0.3	light rain	0	65	15	1002	990
12	11.9	9.8	3.4	-2.2	7.7	3.9	2.7	10.3	0.0	0.0		0	65	16	1007	993
13	13.0	10.8	0.4	-2.1	6.7	4.4	1.7	11.3	0.0	0.0		0	48	12	1012	1007
14	20.5	10.7	2.0	-1.4	11.3	4.7	6.3	6.7	0.0	0.0		0	47	24	1012	1001
15	15.6	10.8	4.9	-1.8	10.3	4.5	5.3	7.7	0.0	0.0		0	62	21	1018	1002
16	20.2	12.0	-0.5	-1.9	9.9	5.1	4.9	8.1	0.0	0.0		0	62	15	1020	1014
17	17.0	14.2	2.1	0.0	9.6	7.1	4.6	8.4	0.0	0.0		0	83	15	1022	1011
18	12.6	13.4	4.8	-0.1	8.7	6.6	3.7	9.3	0.0	0.0		0	87	32	1017	1010
19	12.2	13.1	0.2	-0.4	6.2	6.4	1.2	11.8	0.0	0.0		0	88	17	1020	1016
20	15.2	14.3	-3.6	-0.2	5.8	7.1	0.8	12.2	0.0	0.0		0	89	20	1016	1007
21	12.8	15.7	-7.2	0.8	2.8	8.3	0.0	15.2	0.0	0.0		0	98	17	1016	1012
22	17.9	15.8	-0.2	1.2	8.9	8.5	3.9	9.1	0.0	0.0		0	70	17	1013	1010
23	12.2	15.1	1.9	0.8	7.1	8.0	2.1	10.9	0.0	0.1	light rain	0	84	40	1011	1005
24	13.9	13.2	-0.3	1.3	6.8	7.2	1.8	11.2	0.0	0.0		0	93	43	1009	1004
25	0.0	12.6	-1.9	-0.4	-1.0	6.1	0.0	19.0	0.0	19.5	rain, freezing rain, snow	0	100	84	1013	1010
26	4.2	12.2	-0.9	-0.2	1.7	6.0	0.0	16.3	0.0	16.8		20	100	75	1022	1011
27	15.0	14.0	-3.2	0.5	5.9	7.3	0.9	12.1	0.0	0.0		9	100	34	1023	1019
28	22.8	14.5	4.5	1.5	13.7	8.0	8.7	4.3	0.0	0.0		0	75	22	1019	1011
29	27.6	13.9	8.0	1.1	17.8	7.5	12.8	0.2	0.0	0.0		0	73	19	1011	1003
30	19.0	13.9	8.1	0.8	13.6	7.4	8.6	4.4	0.0	0.0		0	61	20	1011	1007
Total							83.5	355.2	0.0	41.4			Extreme / Date	Extreme / Date	Extreme / Date	Extreme / Date
Avg	12.7	11.2	-0.4	-1.4	6.2	4.9	1981-2010 Normal			22.9	Normal					
Extreme Date	27.6		-8.2				65.2	402.4	0.2	74.3	Cumulative		100	12	1023	990
	29		5							61.5	Cumulative Normal		25	13	27	11

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

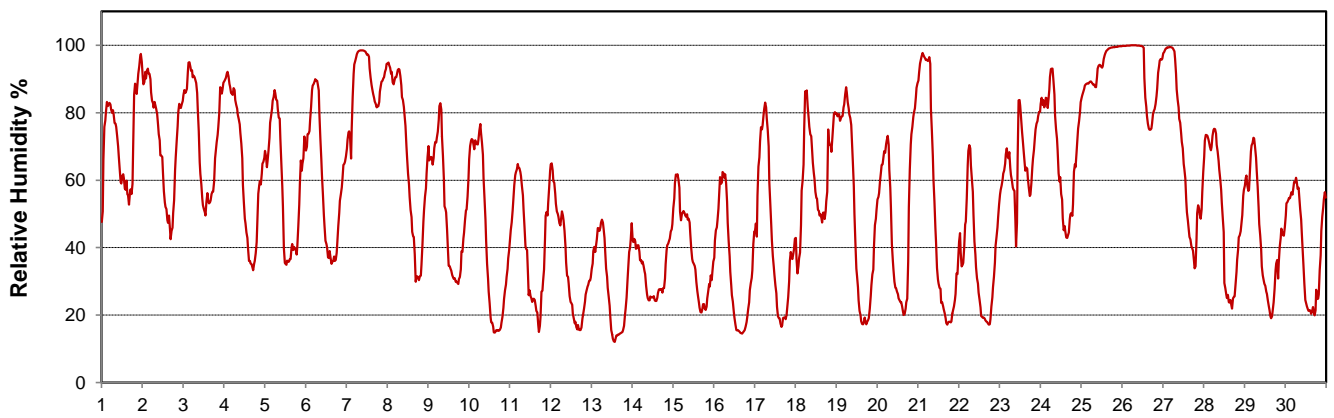
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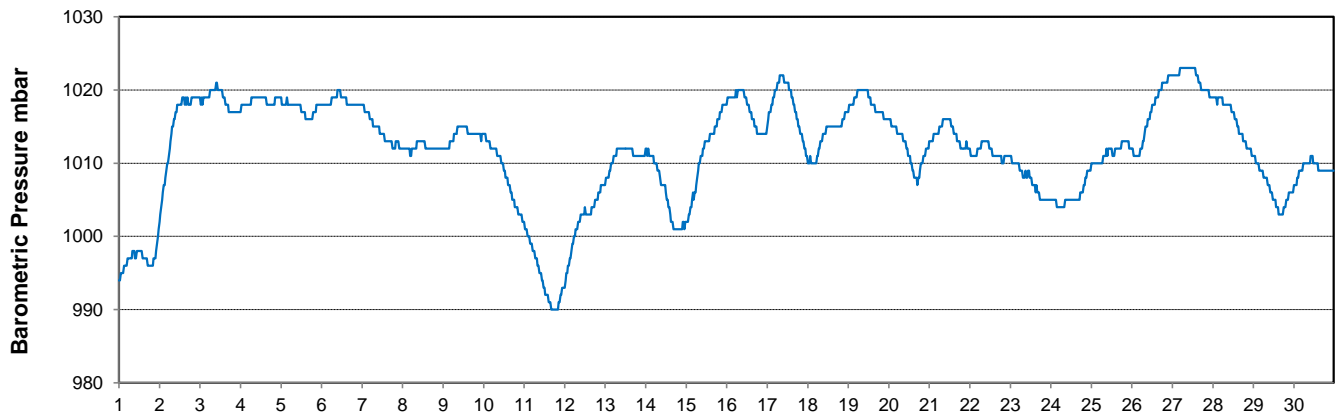
Temperature and Precipitation for April 2015



Relative Humidity for April 2015



Barometric Pressure Corrected to Sea Level for April 2015





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SASKATOON STATION 4057180

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

Preliminary APRIL 2015

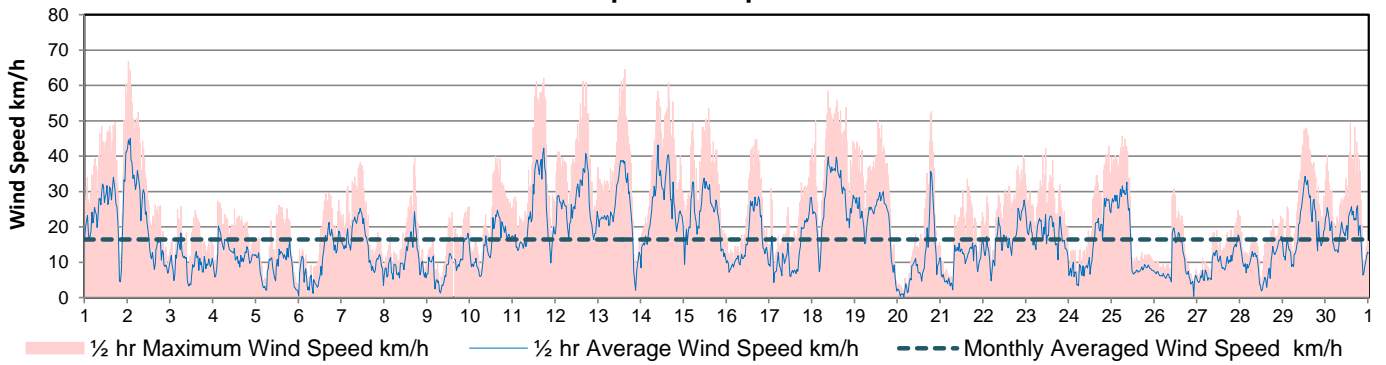
Day	Wind Gust			Soil Temperatures at 0900hrs								Soil Moisture 30 cm	Radiation				
	Max	Direction	Time	Surface	5 cm	10 cm	20 cm	50 cm	100 cm	150 cm	300 cm		0900hrs	Bright Sunshine	Possible	% Possible	Global
	km/h			°C	°C	°C	°C	°C	°C	°C	°C	%	hours	hours		MJ/m ²	MJ/m ²
1	60.5	NNE	23:53	4.5	3.5	3.5	2.5	0.0	1.0	2.0	3.5	19.4	1.8	13.0	13.9	7.1	4.8
2	66.8	N	0:17	-5.5	1.0	1.5	2.0	0.5	1.0	2.0	3.5	19.1	9.5	13.1	72.8	18.1	3.7
3	25.8	NNE	5:40	-3.0	1.0	1.5	1.5	1.0	1.5	2.0	3.5	19.1	5.2	13.1	39.6	13.6	6.1
4	27.3	NNE	2:32	-4.0	1.5	2.0	2.0	1.5	1.5	2.0	3.5	19.2	9.8	13.2	74.4	18.7	3.4
5	26.2	NW	12:54	-3.5	1.0	1.5	2.5	2.0	1.5	2.0	3.5	18.9	12.5	13.3	94.3	18.3	4.0
6	29.7	ESE	14:52	-1.5	0.5	1.5	2.0	2.0	1.5	2.0	3.5	18.7	10.9	13.3	81.8	17.2	5.5
7	38.3	SE	10:10	-1.5	1.0	1.5	2.0	2.0	2.0	2.0	3.5	18.9	0.2	13.4	1.5	6.5	5.1
8	39.7	NNW	16:50	0.5	0.5	1.0	1.0	1.5	2.0	2.0	3.5	18.9	12.6	13.5	93.7	21.3	3.1
9	25.7	SSE	22:43	3.5	1.5	2.0	2.5	2.0	2.0	2.0	3.5	20.9	13.1	13.5	96.9	21.2	2.0
10	40.0	SSW	14:26	6.0	2.5	3.5	3.5	2.5	2.0	2.0	3.5	20.8	13.0	13.6	95.7	21.5	2.2
11	62.0	WSW	17:00	9.5	5.0	5.5	5.0	3.0	2.0	2.0	3.5	20.9	10.7	13.7	78.4	18.4	4.7
12	61.2	WNW	14:47	6.0	5.0	6.0	5.5	4.0	2.5	2.5	3.5	20.5	10.4	13.7	75.8	19.1	3.7
13	64.6	W	15:23	5.5	3.0	4.0	5.0	4.0	2.5	2.5	3.5	20.1	13.3	13.8	96.5	23.0	1.9
14	60.8	ESE	15:20	10.0	3.5	4.0	4.5	4.0	3.0	2.5	3.5	19.9	7.8	13.9	56.3	13.6	7.6
15	53.5	NNW	13:51	6.0	6.0	6.0	6.0	4.0	3.0	2.5	3.5	20	9.7	13.9	69.7	19.0	5.1
16	44.9	WSW	16:51	7.0	4.0	5.0	5.5	4.5	3.0	3.0	3.5	19.9	13.5	14.0	96.6	22.5	2.9
17	42.1	SE	23:46	8.5	5.5	6.0	6.5	5.0	3.5	3.0	3.5	20	13.5	14.0	96.2	23.2	2.0
18	58.5	NW	8:37	7.0	7.5	8.0	7.5	5.5	3.5	3.0	3.5	20	4.7	14.1	33.3	11.6	7.2
19	50.0	N	12:39	4.0	6.0	6.5	6.5	5.5	3.5	3.0	3.5	19.7	11.8	14.2	83.3	23.1	3.4
20	52.6	E	18:35	5.5	4.5	5.0	6.5	5.5	4.0	3.5	3.5	19.5	11.4	14.2	80.1	19.9	5.7
21	33.6	SW	14:48	3.0	4.0	5.5	6.5	5.5	4.0	3.5	3.5	19.4	12.2	14.3	85.3	23.9	3.6
22	40.2	ESE	22:29	6.0	5.5	6.5	7.0	6.0	4.0	3.5	3.5	19.4	12.1	14.4	84.3	23.2	4.1
23	42.3	SSW	10:39	5.5	7.0	7.5	8.0	6.0	4.5	3.5	3.5	19.4	2.7	14.4	18.7	8.8	5.1
24	42.8	NE	22:19	5.5	6.5	7.0	7.0	6.0	4.5	3.5	3.5	19.3	6.2	14.5	42.8	15.3	6.6
25	45.7	ENE	5:51	-1.5	6.0	6.5	7.0	6.0	4.5	4.0	4.0	19	0.0	14.6	0.0	3.8	3.0
26	30.8	NW	10:43	0.0	3.5	4.5	5.0	5.5	4.5	4.0	4.0	19.2	1.7	14.6	11.6	13.7	10.4
27	24.7	SSE	22:35	2.0	2.5	3.5	4.0	5.0	4.5	4.0	4.0	20.9	13.9	14.7	94.7	26.0	3.6
28	23.1	SE	22:32	7.0	2.5	3.0	3.0	4.5	4.5	4.0	4.0	30.3	13.3	14.7	90.2	22.5	5.6
29	48.0	SSW	12:49	7.0	2.5	3.0	3.0	4.5	4.5	4.0	4.0	29.9	12.6	14.8	85.1	23.1	4.4
30	49.5	WNW	13:48	15.0	6.0	6.0	6.0	4.5	4.5	4.0	4.0	29	10.0	14.9	67.3	22.5	3.9
Total													280.1	418.09	67.0	539.7	134.4
Mean				3.8	3.7	4.3	4.6	3.8	3.0	2.9	3.6	20.7	1981-2010 Normal for Radiation				
Extreme	66.8	N	0:17	1971- 2000 Normal for Soil Temperatures									227.2	418.5	54.3	486.9	186.9
Date	2			3.1	3.6	4.0	3.0	1.6	1.5	2.4		No. of Bright Sunshine days = 29					

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

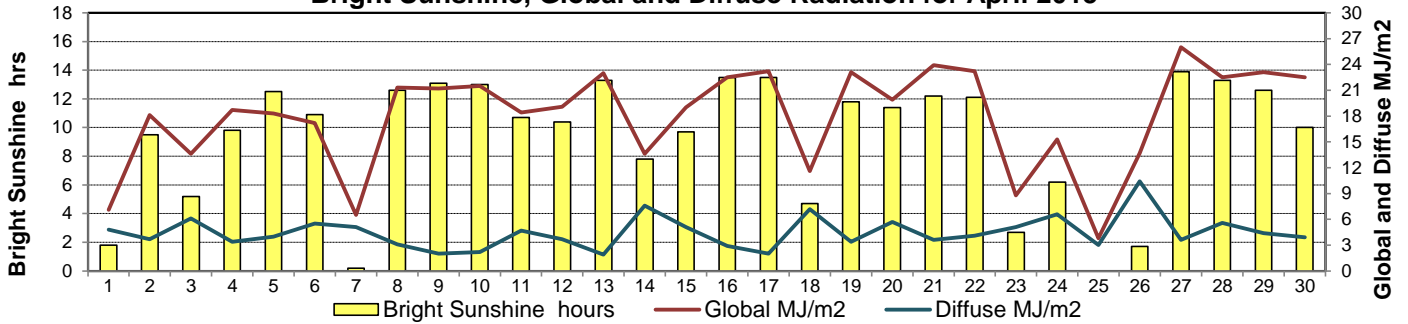
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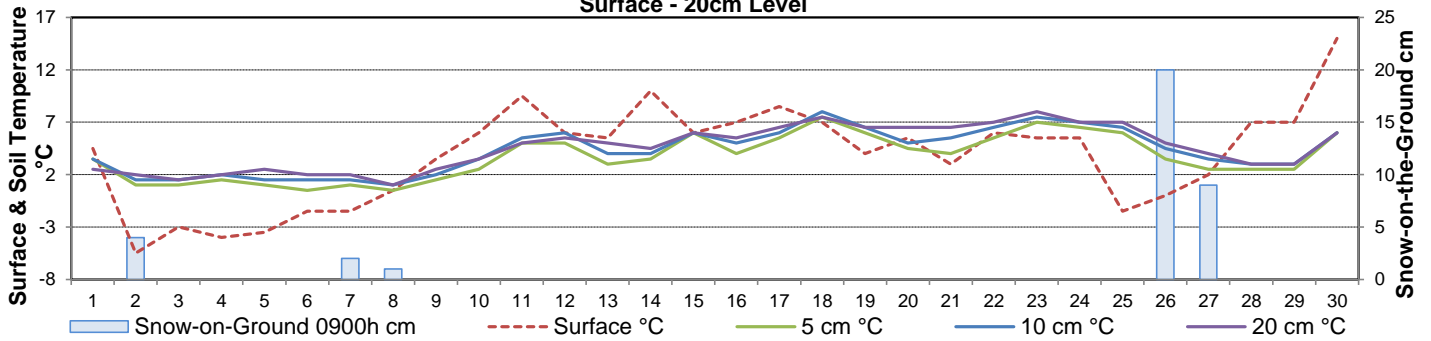
Wind Speed for April 2015



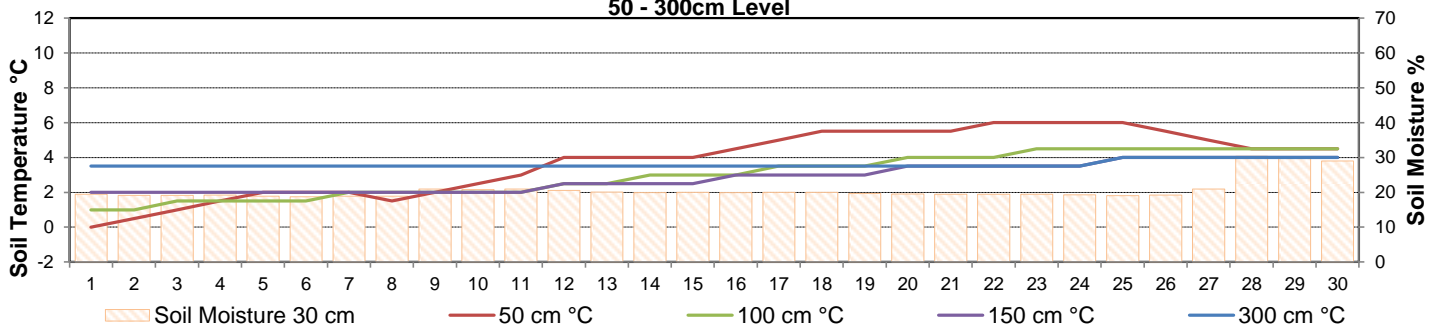
Bright Sunshine, Global and Diffuse Radiation for April 2015



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



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





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SASKATOON STATION 4057180

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

Preliminary **APRIL 2015**

Extreme Records for April

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
33.3	28/1952	SA US SF	31.5 28/2001	93.9	1955	SF	83.5 2014	108 ^W	06/1959	91.2 ^W	09/2010	304.7	2011	30	1968*
-37.3	08/2013	RCS	-27.8 01/1979	0.0	1897	SM	2.4 2007					165.7	1996	19	2003

**1975 forward * more than one year

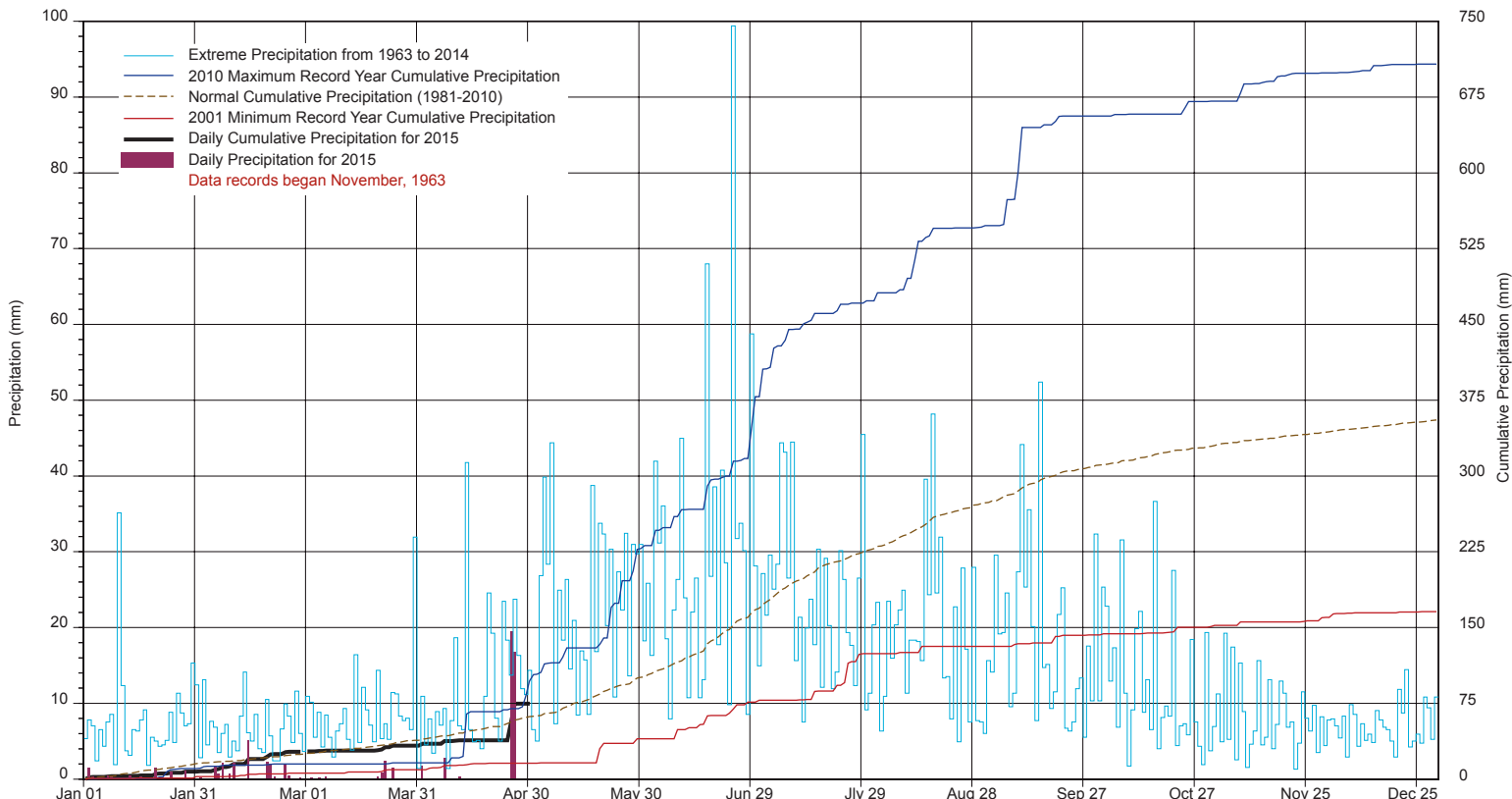
Notable Events for CRS Saskatoon - April						Saskatoon Area Stations			Glossary	
Element	Type	Day	New Record	Old Record	Year	Station	Operational Period	Symbol	Description	
Temperature	Highest Maximum Daily	10	21.2	19.4	1964	SM	NWMP c. 1892-1901	T	Trace of precipitation	
	Lowest Maximum Daily	25	0.0	2.8	2010	SE	Eby 1901-1941	Normal	30 year average beginning with the decade	
	Highest Minimum Daily	11	5.0	4.6	2006	US	Univ. of Sask. 1915-1964	SOG	Depth of snow-on-the-ground in cm	
	Highest Mean Daily	11	12.5	11.3	1994	S	Saskatoon 1941-1942	na	not available	
Precipitation	Greatest Daily	25	19.5	13.8	1991	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			

-tipping bucket turned on for season (29 April 2015)

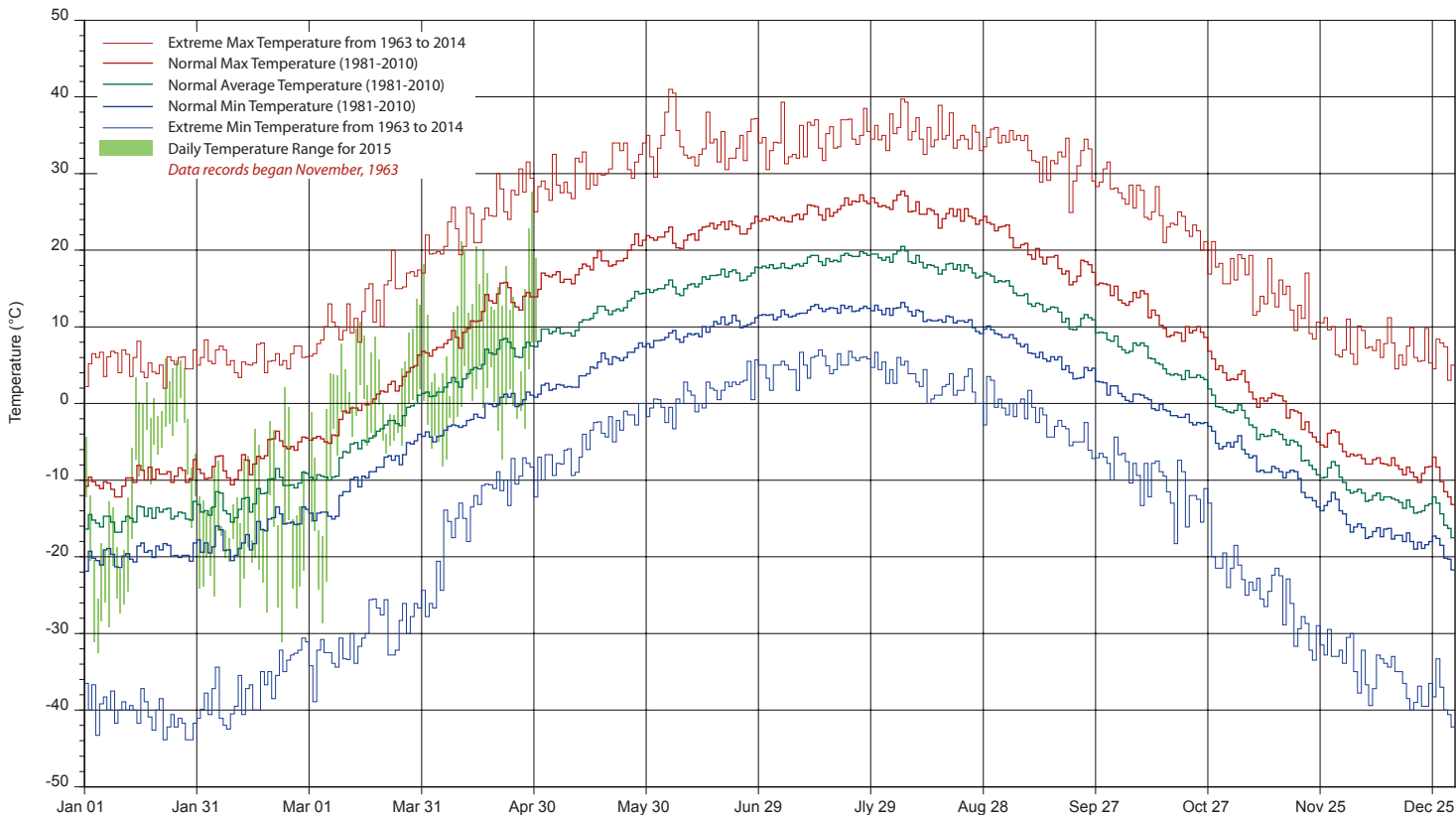
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2015 TEMPERATURES AND NORMALS



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