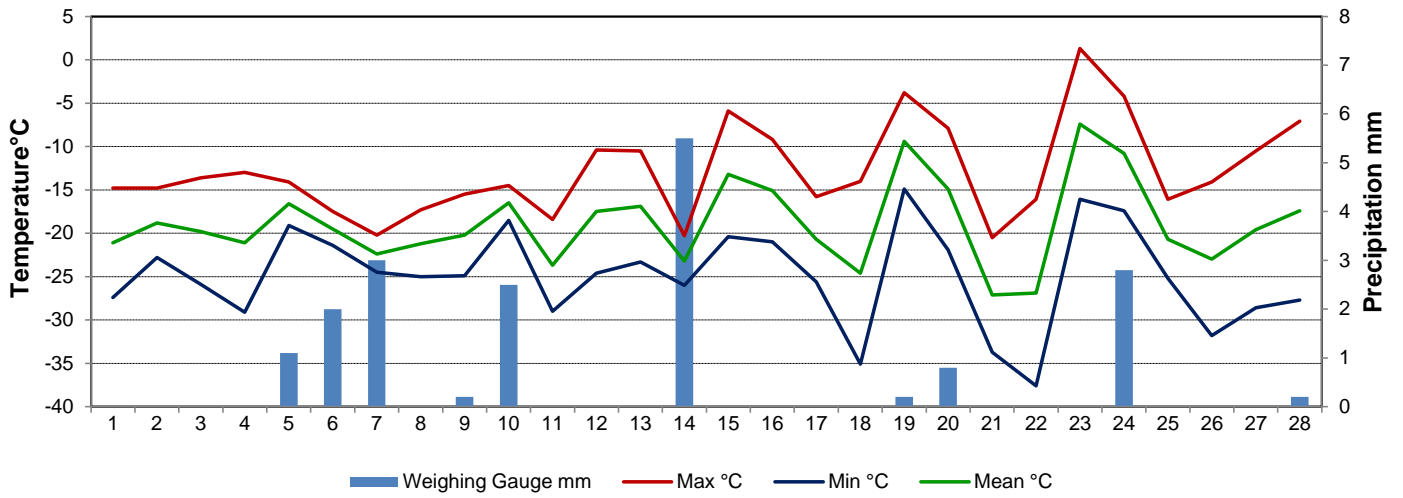
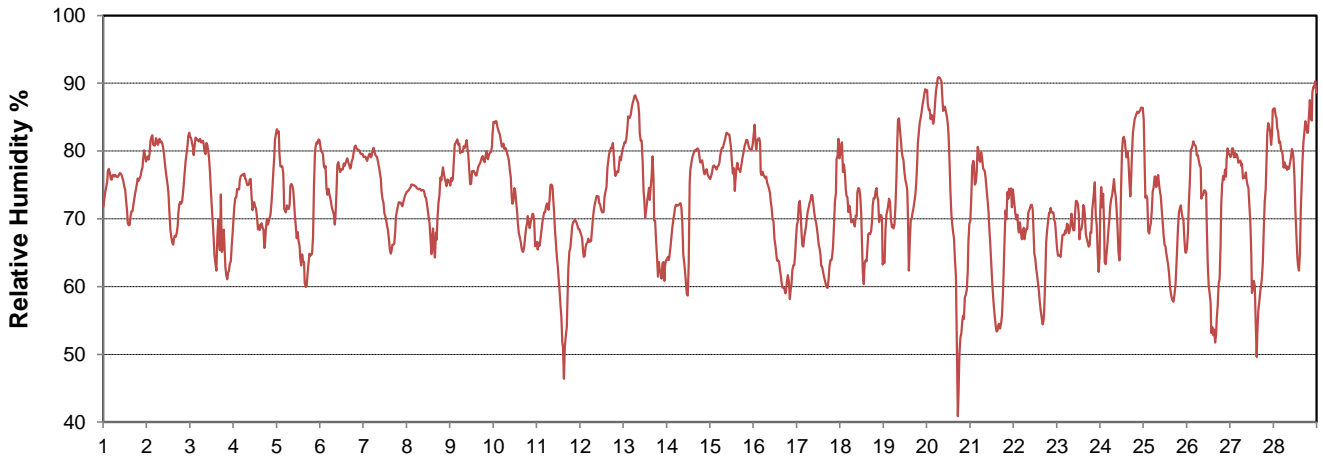




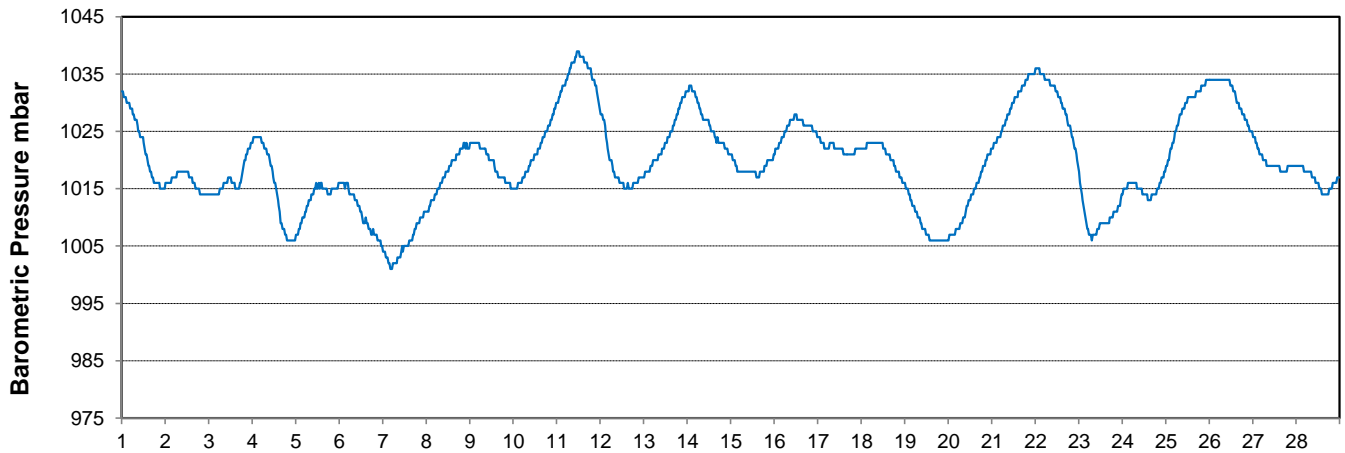
### Temperature and Precipitation for February 2015



### Relative Humidity for February 2015



### Barometric Pressure Corrected to Sea Level for February 2015





# SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

## CONSERVATION LEARNING CENTRE

Saskatchewan 53.03°N 105.77°W Estab. 2011

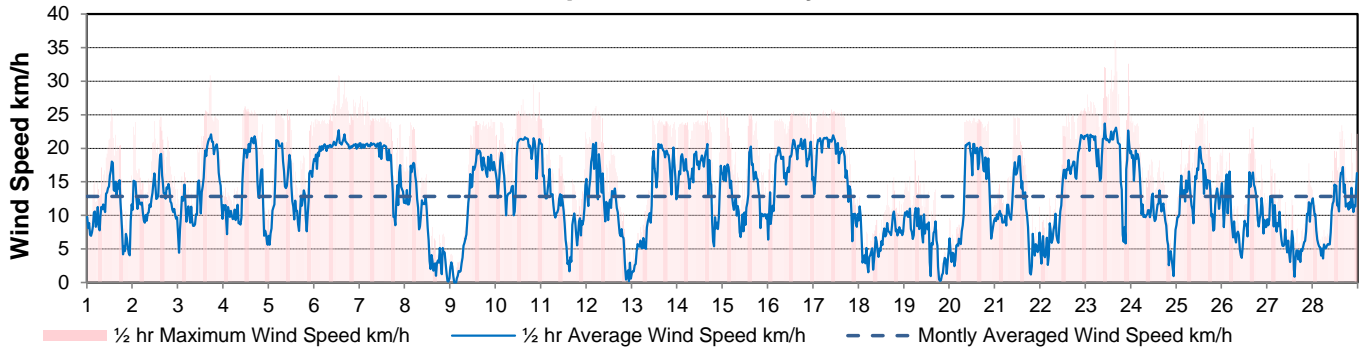
Preliminary **February 2015**

Day	Wind Gust			Soil Temperatures at 0900hrs								Soil Moisture	Radiation		
	Max	Direction	Time	Surface	5 cm	10 cm	20 cm	50 cm	100 cm	150 cm	300 cm		0900hrs	Bright Sunshine	Global
	km/h			°C	°C	°C	°C	°C	°C	°C	°C	%	hours	MJ/m <sup>2</sup>	MJ/m <sup>2</sup>
1	25.9	SW	13:24	-20.5	-2.0	-2.0	-1.0	0.0	1.5	3.5	5.5	16	0.0	3.9	3.8
2	24.7	WSW	15:18	-16.5	-2.5	-2.0	-1.5	0.0	1.5	3.5	5.0	16	4.1	6.4	3.7
3	30.9	NW	17:01	-15.5	-2.5	-2.5	-1.5	0.0	1.5	3.5	5.0	15	5.1	7.0	2.2
4	26.2	SSW	11:38	-18.5	-3.0	-2.5	-1.5	0.0	1.5	3.5	5.0	14	6.2	7.3	2.8
5	25.8	WNW	10:29	-18.0	-3.0	-2.5	-2.0	0.0	1.5	3.5	5.0	14	4.7	5.9	3.5
6	30.9	E	13:16	-9.5	-3.0	-2.5	-2.0	0.0	1.5	3.5	5.0	15	0.0	2.8	2.7
7	27.8	E	0:50	-10.5	-3.0	-2.5	-2.0	0.0	1.5	3.5	5.0	15	6.9	6.8	2.0
8	23.9	E	3:14	-11.0	-2.5	-2.5	-2.0	0.0	1.0	3.5	5.0	15	0.0	4.7	4.4
9	24.3	ENE	21:59	-12.5	-2.5	-2.0	-2.0	0.0	1.0	3.5	5.0	15	0.9	4.4	4.1
10	29.6	NNW	20:21	-12.0	-2.0	-2.0	-1.5	-0.5	1.0	3.5	5.0	15	6.3	7.2	2.9
11	24.4	NNW	0:22	-17.0	-2.0	-2.0	-1.5	-0.5	1.0	3.5	5.0	15	9.0	8.3	1.7
12	26.3	S	5:21	-14.5	-2.0	-2.0	-1.5	-0.5	1.0	3.5	5.0	15	1.2	5.9	5.1
13	24.3	N	14:52	-8.0	-2.0	-2.0	-1.5	-0.5	1.0	3.5	5.0	15	0.0	4.5	4.0
14	25.6	ESE	16:21	-10.0	-2.0	-2.0	-1.5	-0.5	1.0	3.0	5.0	15	0.0	3.2	3.0
15	25.3	SSW	1:06	-12.5	-2.0	-2.0	-1.5	-0.5	1.0	2.5	5.0	15	0.8	6.9	6.0
16	25.5	NW	13:45	-11.5	-2.0	-2.0	-1.5	-0.5	1.0	3.0	5.0	15	7.6	8.7	3.0
17	25.8	NW	9:55	-16.0	-1.5	-1.5	-1.5	-0.5	1.0	2.0	5.0	15	9.4	9.5	2.0
18	15.7	E	18:56	-14.5	-1.5	-1.5	-1.5	-0.5	1.0	3.0	5.0	15	5.8	9.4	3.7
19	20.0	SSE	5:55	-7.5	-2.0	-2.0	-1.5	-0.5	1.0	3.0	4.5	15	1.0	6.3	5.7
20	24.6	N	12:51	-5.5	-2.0	-2.0	-1.5	-0.5	1.0	3.0	4.5	15	3.8	7.8	5.3
21	24.8	NNW	10:17	-14.0	-1.5	-1.5	-1.5	-0.5	1.0	3.0	4.5	15	10.0	12.0	2.3
22	26.0	SSW	23:52	-17.0	-2.0	-1.5	-1.5	-0.5	1.0	2.5	4.5	15	10.0	11.7	2.1
23	36.1	WNW	15:32	-8.0	-2.0	-2.0	-1.5	-0.5	1.0	2.5	4.5	15	4.5	7.7	5.6
24	24.8	N	0:06	-6.0	-2.0	-2.0	-1.5	-0.5	1.0	2.5	4.5	15	0.0	5.4	5.1
25	25.5	WNW	14:13	-7.0	-1.5	-1.5	-1.5	-0.5	1.0	2.5	4.5	15	10.3	12.0	1.9
26	23.1	SSW	16:47	-9.5	-1.5	-1.5	-1.5	-0.5	1.0	2.5	4.5	15	10.4	12.8	2.1
27	18.3	SW	1:46	-10.5	-1.5	-1.5	-1.5	-0.5	1.0	2.5	4.5	15	5.0	9.8	6.4
28	23.4	WNW	15:42	-10.0	-2.0	-1.5	-1.5	-0.5	1.0	2.5	4.5	15	5.6	10.8	6.3
Total													128.6	209.1	103.4
Mean				-12.3	-2.1	-2.0	-1.6	-0.3	1.1	3.1	4.8	15.0			
Extreme	36.1	WNW	15:32												
Date	23														

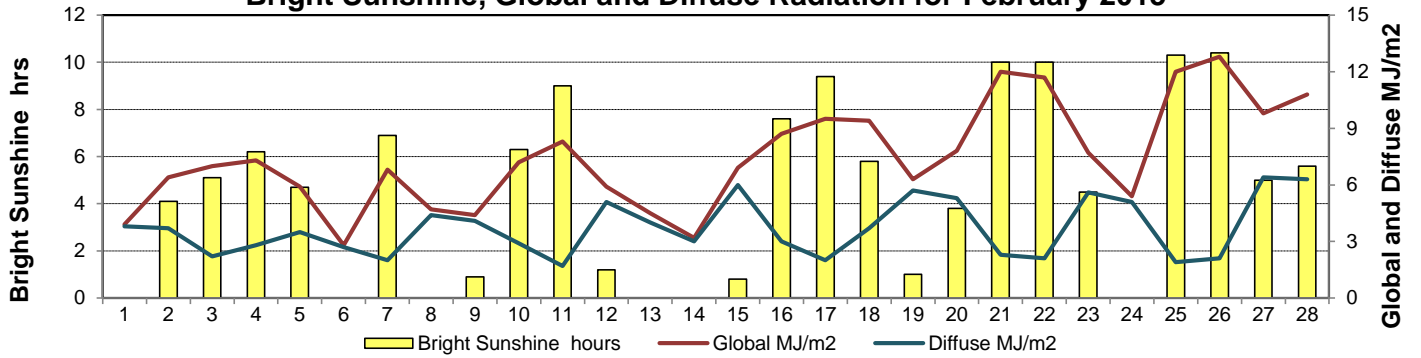
### GLOSSARY OF TERMS

<b>Degree-days</b>	<b>Radiation</b>
T <sub>m</sub> Mean Temperature	Bright Sunshine is the unobstructed direct radiation from the sun, as opposed to the shading of a location by clouds or by other atmospheric obstructions.
Growing (T <sub>m</sub> -5°C); if T <sub>m</sub> ≤ 5°C then GDD = 0	
Heating (18°C-T <sub>m</sub> ); if T <sub>m</sub> ≥ 18°C then HDD = 0	Diffuse is radiation reaching the earth's surface after having been scattered from the direct solar beam
Cooling (T <sub>m</sub> -18°C); if T <sub>m</sub> ≤ 18°C then CDD = 0	Global is the sum of the direct solar and diffuse radiation
T Trace of Precipitation	<b>Relative Humidity</b> The ratio of the air's water vapour content to its water vapour capacity which changes with temperature.
<b>SOG</b> Depth of snow-on-the-ground	
<b>Red Cell</b> no data available	<b>Air Pressure</b> The force exerted by the weight of a column of air above a given point
Red Number manual calculation	<b>Wind Gust</b> The daily highest instantaneous value recorded irrespective of direction and/or duration

### Wind Speed for February 2015

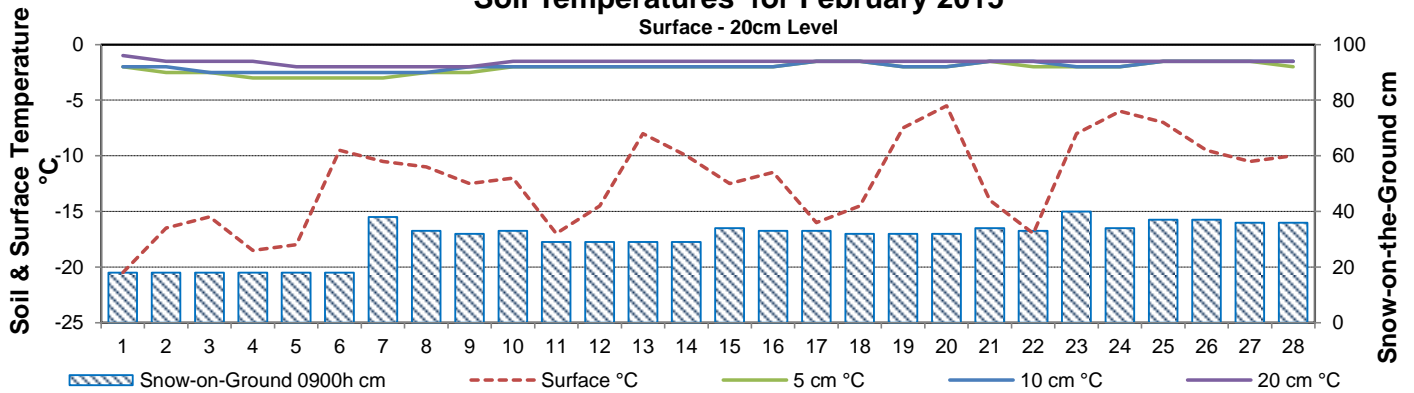


### Bright Sunshine, Global and Diffuse Radiation for February 2015



### Soil Temperatures for February 2015

Surface - 20cm Level



### Soil Temperatures for February 2015

50 - 300cm Level

