



SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

CONSERVATION LEARNING CENTRE

Saskatchewan 53.03°N 105.77°W 451m asl Estab. 2011

Preliminary

April 2025

Day	Temperature (HMP155A)						Degree-days			Precipitation			Relative Humidity (HMP115A)		Station Pressure <i>corrected to sea level</i>	
	Max	Avg Max	Min	Avg Min	Mean	Avg Mean	Growing	Heating	Cooling	Geonor all-season ppt Gauge	Notes	Snow-on-Ground 0900h	Max ½ hr Avg	Min ½ hr Avg	Max ½ hr Avg	Min ½ hr Avg
	°C	2012-2021	°C	2012-2021	°C	2012-2021	5°C base	18°C base	18°C base	mm		cm	%	%	mbar	mbar
1	-3.1	3.4	-12.7	-9.0	-7.9	-2.8	0.0	25.9	0.0	0.8		32	91	74	1009	1005
2	0.2	2.2	-10.4	-9.9	-5.1	-3.9	0.0	23.1	0.0	0.0		33	94	45	1007	1004
3	-2.2	4.2	-15.8	-10.7	-9.0	-3.3	0.0	27.0	0.0	0.0		31	85	46	1020	1007
4	1.1	4.2	-17.0	-10.1	-8.0	-2.9	0.0	26.0	0.0	0.0		31	76	32	1026	1021
5	5.7	3.1	-13.9	-6.9	-4.1	-1.9	0.0	22.1	0.0	0.0		31	85	48	1023	1016
6	-2.3	5.1	-10.5	-4.8	-6.4	0.2	0.0	24.4	0.0	0.1		29	88	52	1023	1016
7	-1.6	6.0	-12.3	-6.9	-7.0	-0.4	0.0	25.0	0.0	0.0		29	82	58	1021	1007
8	7.3	5.0	-6.4	-7.8	0.5	-1.4	0.0	17.5	0.0	0.0		29	96	64	1006	1001
9	12.8	4.3	-2.6	-8.6	5.1	-2.2	0.1	12.9	0.0	0.0		23	97	52	1016	1003
10	12.5	6.1	-6.1	-7.6	3.2	-0.7	0.0	14.8	0.0	0.0		17	95	46	1021	1016
11	17.9	5.0	0.3	-5.9	9.1	-0.5	4.1	8.9	0.0	0.0		5	73	30	1015	1002
12	14.4	5.9	-1.7	-5.6	6.4	0.2	1.4	11.6	0.0	0.0		0	67	19	1010	1007
13	9.3	5.2	-2.7	-6.6	3.3	-0.7	0.0	14.7	0.0	0.0		0	75	39	1017	1010
14	10.9	6.0	-4.8	-5.6	3.1	0.2	0.0	14.9	0.0	0.0		0	76	22	1021	1016
15	15.4	5.9	-3.2	-5.8	6.1	0.0	1.1	11.9	0.0	0.0		0	75	26	1016	1005
16	9.5	6.6	-1.3	-5.4	4.1	0.6	0.0	13.9	0.0	0.6		0	91	27	1010	1005
17	1.9	9.2	-9.2	-4.3	-3.7	2.5	0.0	21.7	0.0	1.6		1	94	67	1019	1010
18	3.7	8.2	-10.3	-2.7	-3.3	2.8	0.0	21.3	0.0	0.0		1	79	50	1021	1012
19	11.7	9.8	-5.2	-2.2	3.3	3.8	0.0	14.7	0.0	0.0		0	79	33	1011	1005
20	13.5	9.5	-1.9	-2.1	5.8	3.7	0.8	12.2	0.0	0.0		0	78	22	1015	1009
21	7.3	10.6	-3.6	-2.2	1.9	4.3	0.0	16.1	0.0	0.0		0	84	36	1017	1015
22	8.7	11.7	-7.6	-2.0	0.6	4.9	0.0	17.4	0.0	0.0		0	84	20	1018	1017
23	13.8	11.4	-9.8	-1.5	2.0	5.0	0.0	16.0	0.0	0.0		0	90	20	1019	1016
24	15.5	8.6	-5.4	-1.6	5.1	3.5	0.1	12.9	0.0	0.0		0	88	21	1023	1018
25	18.8	8.3	-3.0	-2.9	7.9	2.7	2.9	10.1	0.0	0.0		0	91	17	1023	1015
26	19.4	10.5	0.5	-1.3	10.0	4.6	5.0	8.0	0.0	0.0		0	74	30	1015	1005
27	11.8	11.2	-3.6	-1.3	4.1	5.0	0.0	13.9	0.0	0.1		0	97	34	1017	1005
28	10.6	12.4	-8.8	-0.3	0.9	6.1	0.0	17.1	0.0	0.0		0	79	21	1020	1012
29	20.2	14.8	1.3	0.5	10.8	7.7	5.8	7.2	0.0	0.0		0	54	20	1012	1000
30	16.4	17.2	1.1	1.4	8.8	9.3	3.8	9.2	0.0	0.1		0	85	19	1012	1004
Total							25.1	492.4	0.0	3.3						
Avg	9.4	7.7	-6.2	-4.7	1.6	1.5	Monthly 2012 - 2021 Average			19.6	2012-2021 Average					
Extreme	20.2	26.0	-17.0	-30.0			29.8	495.4	0	25.9	2025 Cumulative ppt		97	17	1026	1000
Date	29	2015	4	2020						61.4	Cumulative Average		9	25	4	29

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

Precipitation is measured precipitation. It has not been corrected for wind speed.

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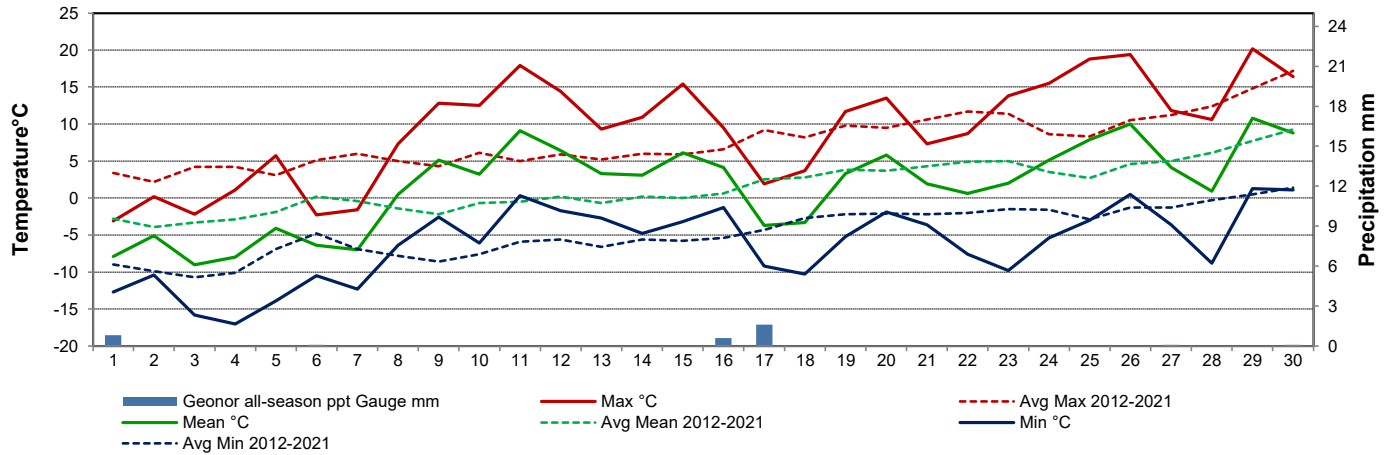
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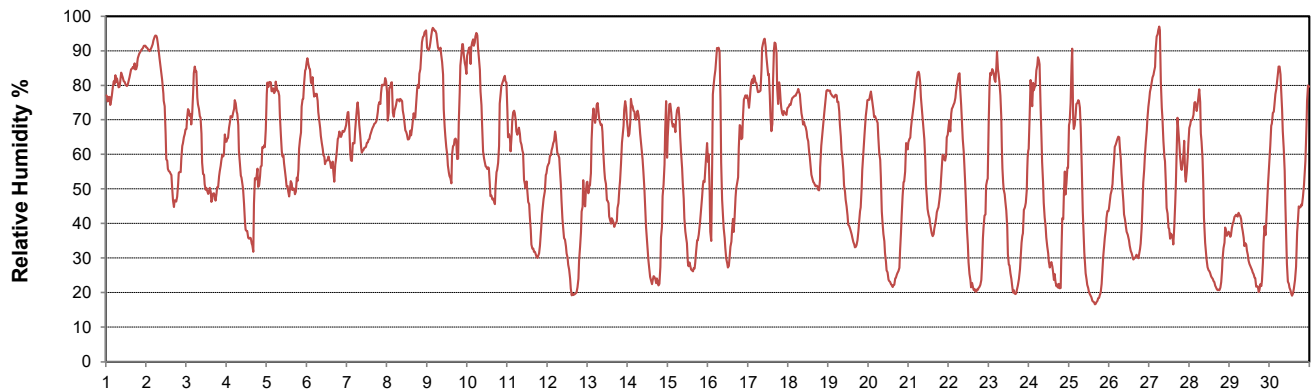


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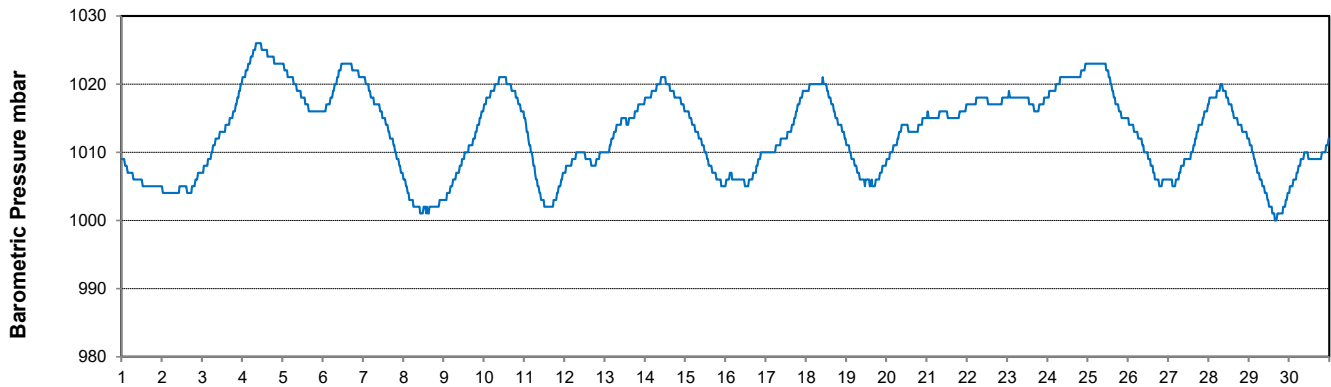
Temperature and Precipitation for April 2025



Relative Humidity for April 2025



Barometric Pressure Corrected to Sea Level for April 2025





SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

CONSERVATION LEARNING CENTRE

Saskatchewan 53.03°N 105.77°W 451m asl Estab. 2011

Preliminary

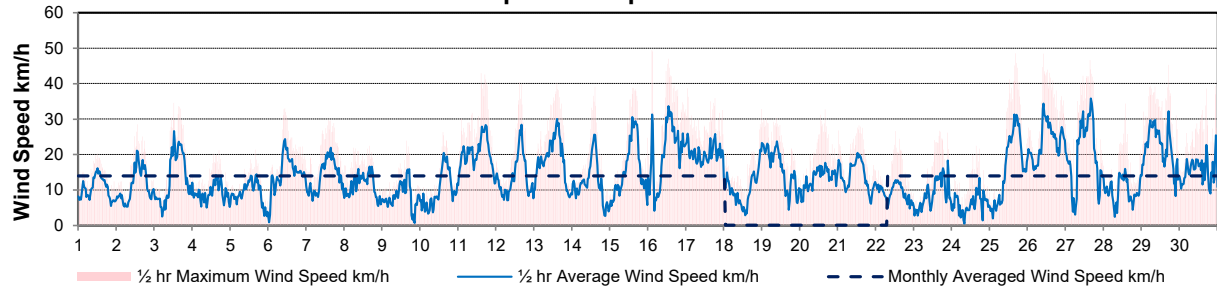
April 2025

Day	Wind Gust			Wind Speed (10 meters)	Soil Temperatures at 0900hrs								Radiation				
	Max	Direction	Time	Daily Average	Surface	5 cm	10 cm	20 cm	50 cm	100 cm	150 cm	300 cm	Bright Sunshine	Possible	% Possibl e	Global	Diffuse
	km/h			km/h	°C	°C	°C	°C	°C	°C	°C	°C	hours	hours		MJ/m ²	MJ/m ²
1	20.3	ENE	11:46	10.3	-5.0	-1.0	-1.0	-1.0	-0.5	0.0	1.0	3.5	0.0	13.1	0.0	8.3	7.7
2	28.5	NW	13:21	11.4	-1.5	-1.0	-1.5	-1.0	-0.5	0.0	1.0	3.5	7.4	13.1	56.4	16.7	6.3
3	34.6	NW	12:18	13.3	-6.5	-1.0	-1.0	-1.0	-0.5	0.0	1.0	3.5	7.2	13.2	54.6	16.2	8.1
4	21.2	SSW	16:42	9.1	-10.0	-1.0	-1.0	-1.0	-0.5	0.0	1.0	3.5	12.9	13.3	97.3	20.8	4.8
5	21.4	SW	15:56	9.0	-7.0	-1.5	-1.5	-1.0	-0.5	0.0	1.0	3.5	12.3	13.3	92.3	20.3	4.4
6	33.0	E	10:14	14.9	-4.5	-1.0	-1.0	-1.0	-0.5	0.0	1.0	3.5	12.9	13.4	96.3	20.7	3.9
7	29.8	SE	13:38	14.1	-5.0	-0.5	-1.0	-1.0	-0.5	0.0	1.0	3.5	12.8	13.5	95.0	20.7	3.8
8	22.5	SSW	15:34	11.2	0.5	-0.5	-1.0	-0.5	-0.5	0.0	1.0	3.5	11.3	13.5	83.5	18.8	5.7
9	23.8	SSW	15:02	8.2	2.5	-0.5	-0.5	-0.5	-0.5	0.0	1.0	3.5	9.4	13.6	69.1	18.7	4.2
10	26.3	SSW	14:20	10.1	2.0	0.0	-0.5	-0.5	-0.5	0.0	1.0	3.5	12.6	13.7	92.2	21.4	2.8
11	42.9	WSW	14:20	20.3	5.0	0.0	0.0	0.0	-0.5	0.0	1.0	3.0	12.1	13.7	88.1	20.9	3.1
12	40.4	NW	14:45	13.8	8.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0	12.9	13.8	93.4	21.5	3.0
13	40.2	NW	14:13	18.4	3.5	0.0	0.0	0.0	0.0	0.0	1.0	3.0	7.5	13.9	54.0	15.2	8.8
14	39.0	NW	14:10	12.1	3.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0	12.8	14.0	91.8	21.9	3.4
15	38.8	S	14:47	16.0	6.5	0.0	-0.5	-0.5	0.0	0.0	1.0	3.0	10.9	14.0	77.8	18.8	7.5
16	49.5	NW	2:28	20.3	6.0	1.0	1.0	0.0	0.0	0.0	1.0	3.0	6.8	14.1	48.3	16.8	6.4
17	38.7	WNW	0:33	20.0	-0.5	0.5	0.5	0.0	0.0	0.0	1.0	3.0	0.9	14.2	6.4	8.3	7.2
18	32.8	S	23:43	10.8	-3.5	0.0	0.0	0.0	0.0	0.0	1.0	3.0	10.7	14.2	75.3	19.9	7.3
19	30.2	SSW	9:15	15.9	3.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0	6.3	14.3	44.1	12.7	9.6
20	32.7	NNW	15:57	13.2	7.5	0.5	0.5	0.5	0.0	0.0	1.0	3.0	13.0	14.4	90.6	22.9	3.4
21	28.2	E	13:14	14.1	2.0	1.5	1.5	1.0	0.0	0.0	1.0	3.0	0.0	14.4	0.0	10.4	9.1
22	26.6	ENE	12:16	9.1	1.0	0.5	0.5	1.0	0.0	0.0	1.0	3.0	13.3	14.5	91.9	21.9	6.7
23	26.7	SSW	16:06	9.2	5.5	0.5	0.5	1.0	0.5	0.0	1.0	3.0	13.1	14.5	90.1	24.0	3.7
24	22.5	NW	15:22	6.0	7.5	1.5	1.5	1.5	0.5	0.5	1.0	3.0	11.7	14.6	80.1	20.3	5.1
25	48.5	SSW	16:14	16.5	12.0	2.0	2.0	2.0	1.0	0.5	1.0	3.0	14.1	14.7	96.1	24.3	3.4
26	48.4	S	9:40	23.4	12.5	3.5	3.5	3.0	1.5	0.5	1.0	3.0	13.2	14.7	89.6	23.9	3.9
27	46.7	NNE	15:28	19.9	7.0	5.0	4.5	4.0	2.0	0.5	1.0	3.0	7.9	14.8	53.4	18.6	8.3
28	34.4	NNW	13:37	10.1	2.5	2.0	2.5	3.0	2.0	0.5	1.0	3.0	14.0	14.9	94.1	25.5	3.0
29	45.3	WSW	16:41	22.0	10.0	4.0	3.5	3.5	2.5	0.5	1.0	3.0	9.7	14.9	65.0	20.4	7.4
30	39.3	NNW	22:17	15.6	10.5	5.0	4.5	4.5	3.0	1.0	1.0	3.0	10.0	15.0	66.7	20.3	5.1
Total													299.7	421.1	71.2	571.1	167.1
Mean					2.5	0.7	0.5	0.5	0.3	0.1	1.0	3.2					
Extreme	49.5	NW	2:28	14.0													
Date	16																

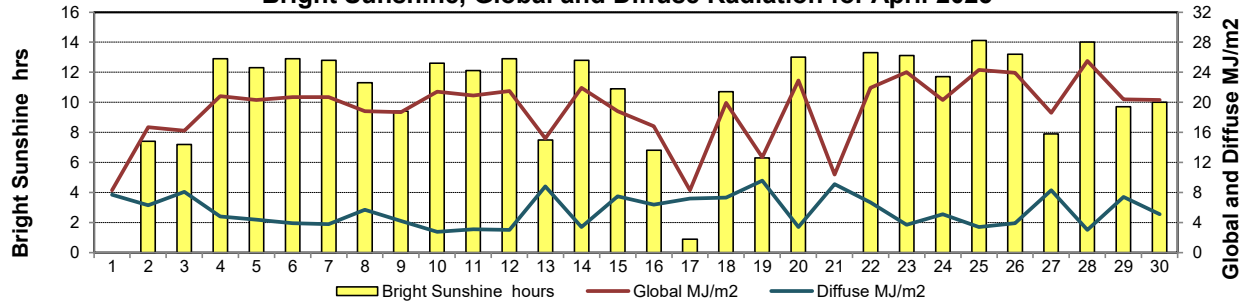
GLOSSARY OF TERMS

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

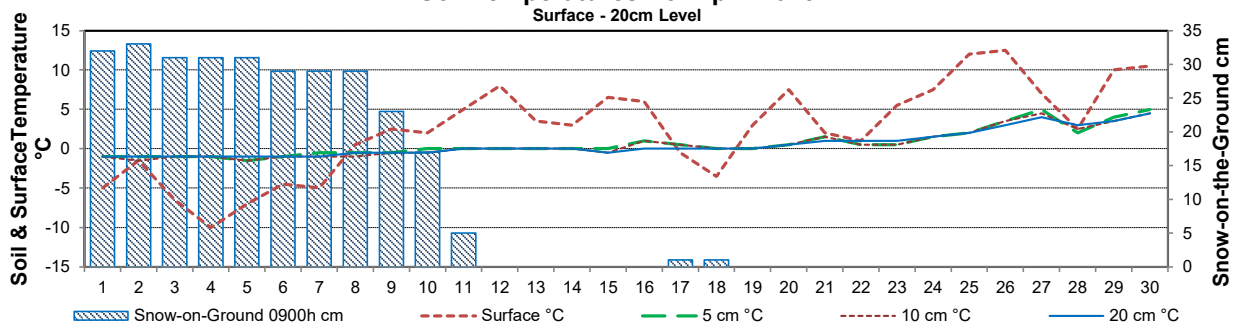
Wind Speed for April 2025



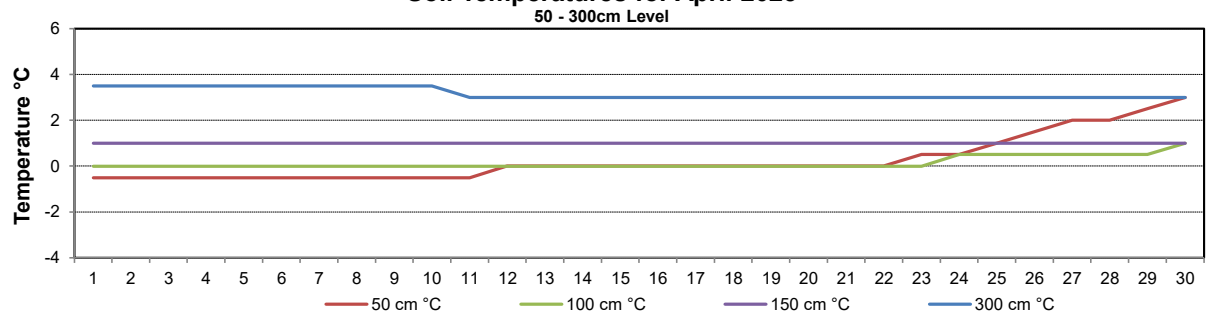
Bright Sunshine, Global and Diffuse Radiation for April 2025



Soil Temperatures for April 2025



Soil Temperatures for April 2025





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CONSERVATION LEARNING CENTRE

Saskatchewan 53.03°N 105.77°W 451m asl Estab. 2011

April 2025

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 Clay Loam)									
1	7.0	14.1	17.9	1.5	17.0	25.5							
2	7.0	16.7	23.1	1.5	17.5	26.0							
3	7.0	20.8	27.2	1.5	17.0	26.0							
4	3.0	11.8	19.5	1.5	17.5	26.0							
5	4.0	12.4	17.7	1.5	17.0	26.0							
6	10.0	20.3	29.5	1.5	17.5	26.0							
7	8.0	13.2	22.2	1.5	17.5	26.0							
8	7.0	13.5	20.8	1.5	17.5	26.0							
9	3.0	13.1	19.9	4.0	19.0	26.5							
10	4.0	16.5	22.5	4.5	43.0	46.0							
11	15.0	21.8	31.8	6.0	44.0	46.5							
12	7.0	22.2	32.7	4.5	44.5	46.0							
13	13.0	23.5	31.6	4.0	44.0	47.0							
14	7.0	20.3	29.5	4.0	39.0	47.0							
15	11.0	23.7	32.3	3.5	38.5	46.5							
16	15.0	26.2	37.1	3.0	37.5	46.5							
17	15.0	19.5	27.5	3.0	37.0	46.5							
18	6.0	17.9	24.8	3.0	36.5	47.0							
19	11.0	18.9	25.4	3.0	36.5	44.0							
20	8.0	14.2	26.4	3.0	36.5	44.0							
21	9.0	15.8	23.5	3.0	36.0	44.0							
22	5.0	10.6	19.9	3.0	36.0	43.5							
23	5.0	13.9	23.1	3.0	36.0	43.5							
24	1.0	7.3	17.6	3.0	35.5	43.0							
25	11.0	24.6	36.4	3.0	35.5	43.0							
26	18.0	27.2	41.7	3.0	35.0	43.0							
27	14.0	26.5	34.1	3.0	35.5	43.0							
28	5.0	13.2	28.3	2.5	35.0	42.5							
29	16.0	25.6	35.2	2.5	35.0	42.5							
30	11.0	19.3	30.8	2.5	35.0	43.0							
Total													
Mean				3	32	39.1							
Extreme	18.0	27.2	41.7	6	44.5	47							
Date	0	0	0	0	0	0							

April Temperatures

Temperature °C

— Average Maximum Monthly Temperature — Average Minimum Monthly Temperature — Average Mean Monthly Temperature

April Precipitation

Precipitation mm

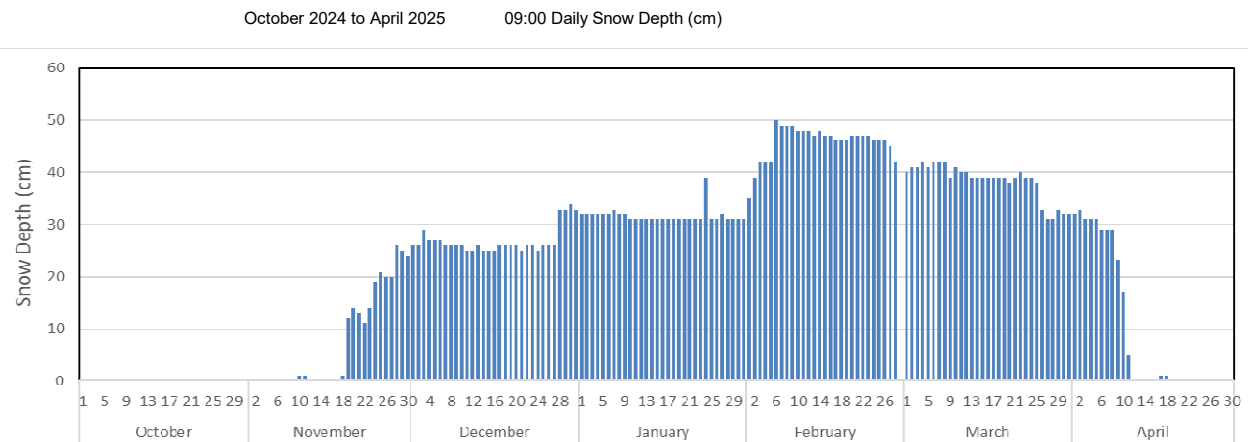
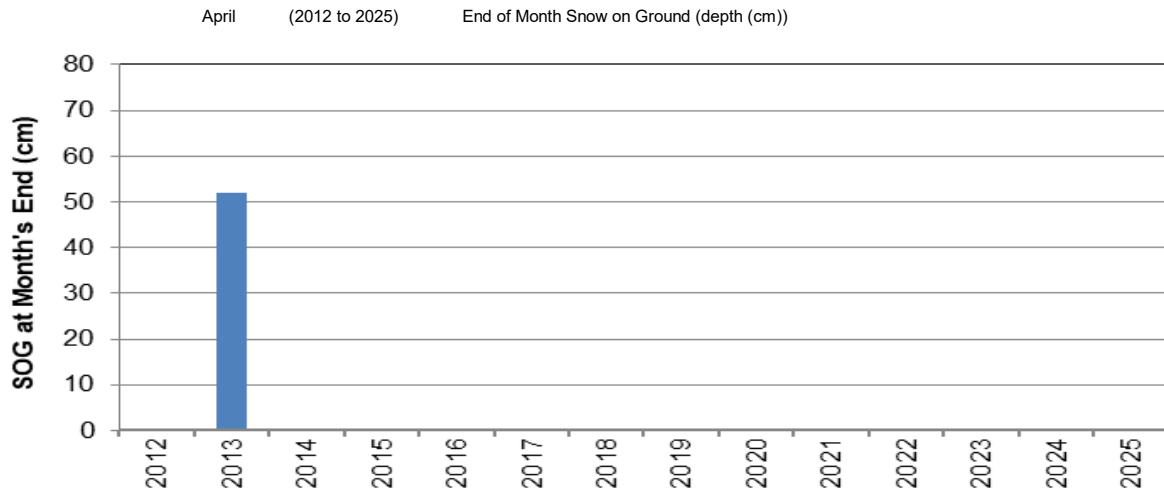
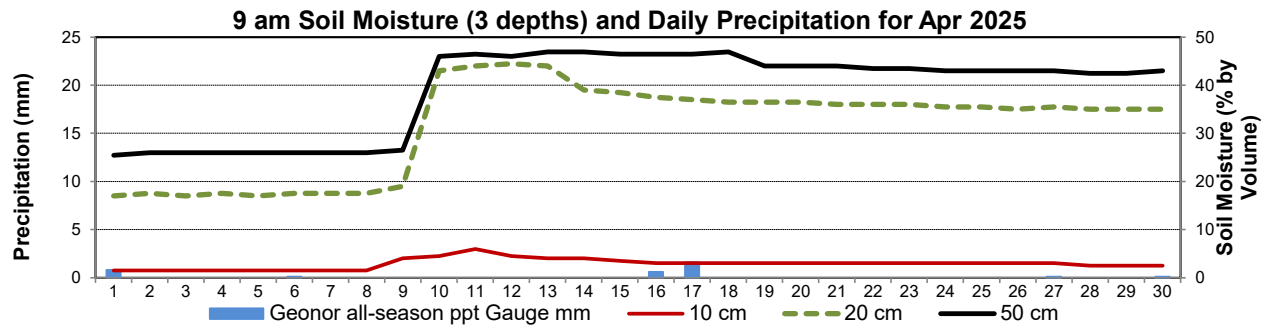
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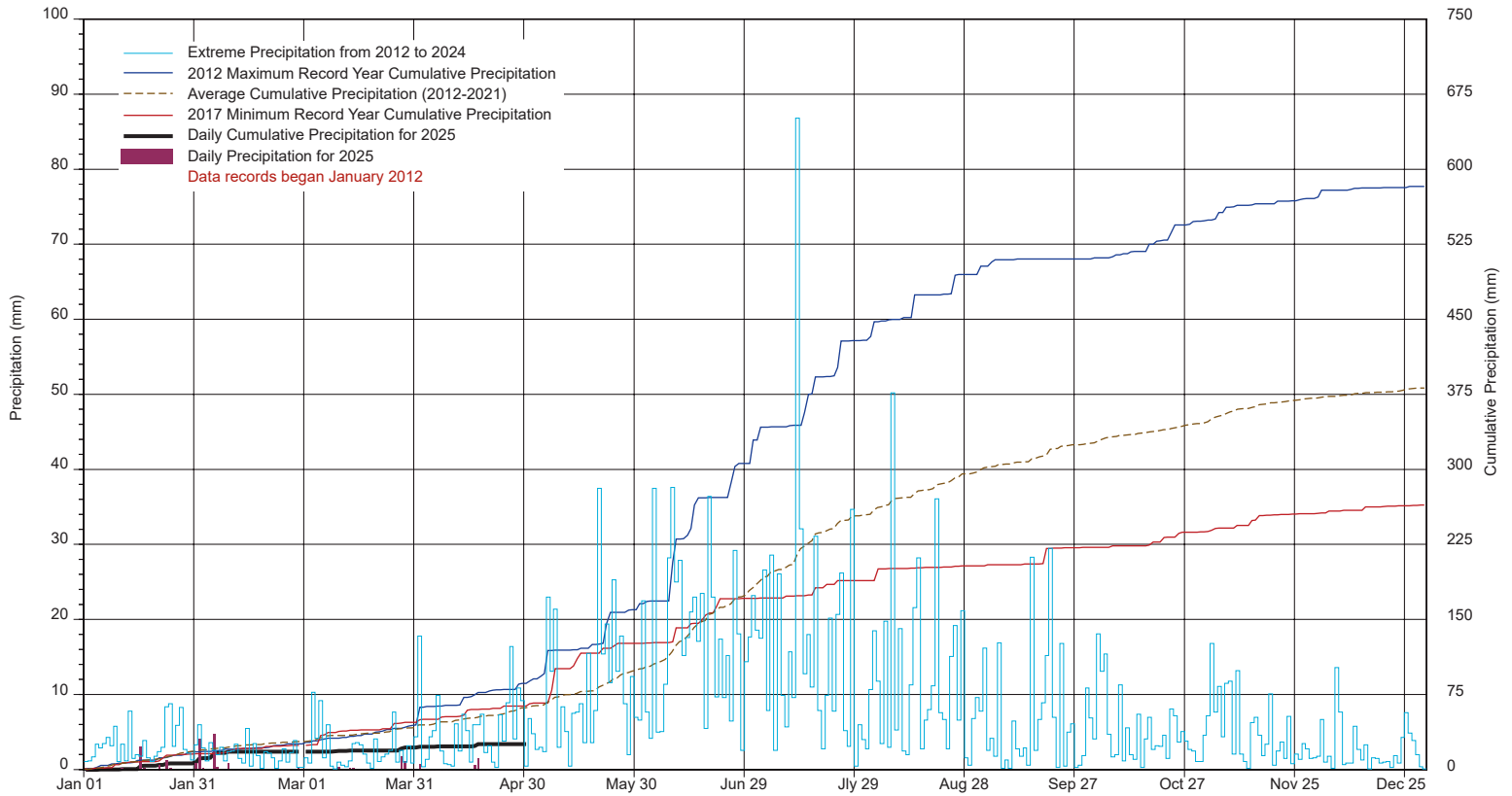
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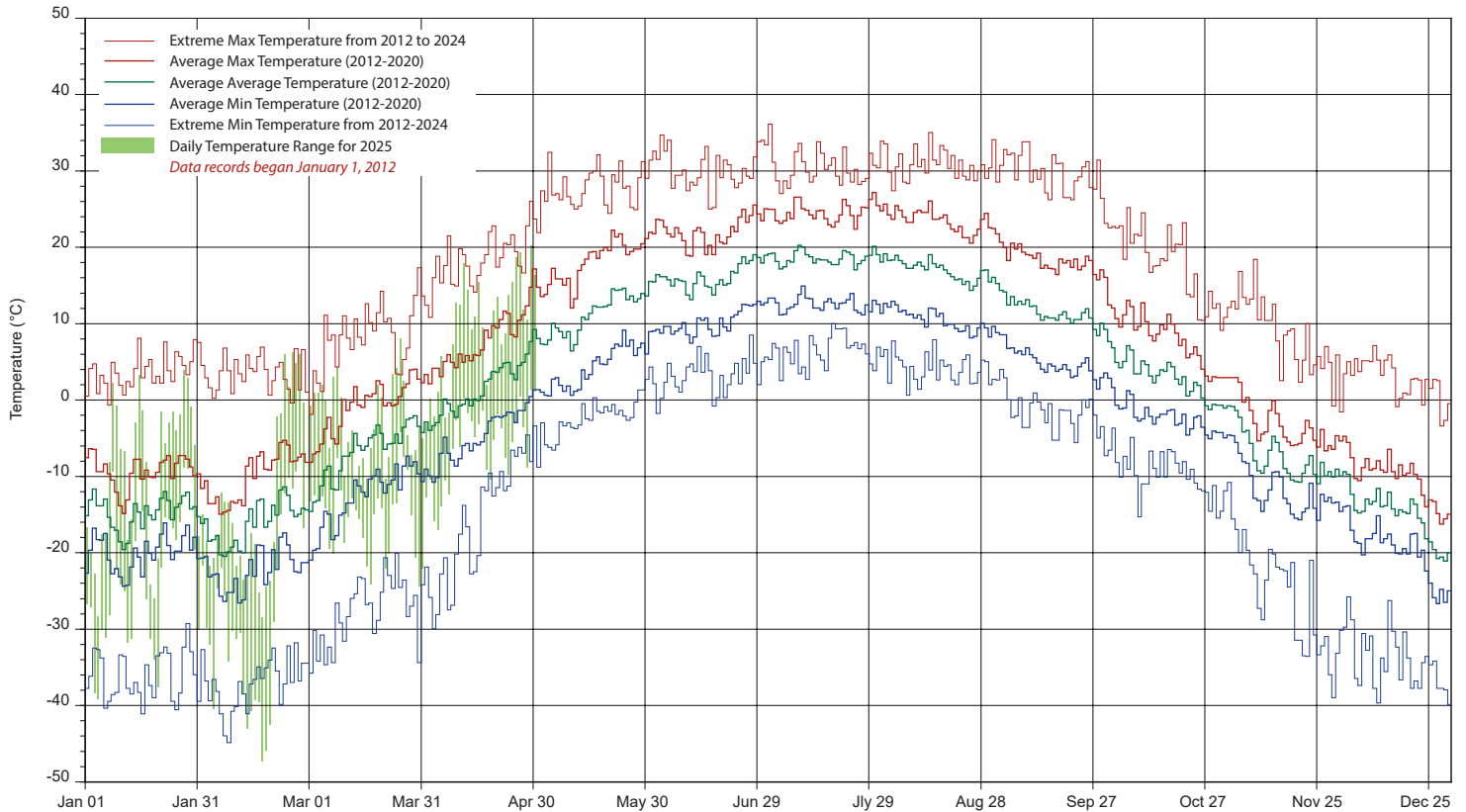




SRC's CLIMATE REFERENCE STATION at the Conservation Learning Centre 2025 PRECIPITATION AND AVERAGE



2025 TEMPERATURES AND AVERAGES



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