



SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

CONSERVATION LEARNING CENTRE

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

Preliminary December 2025

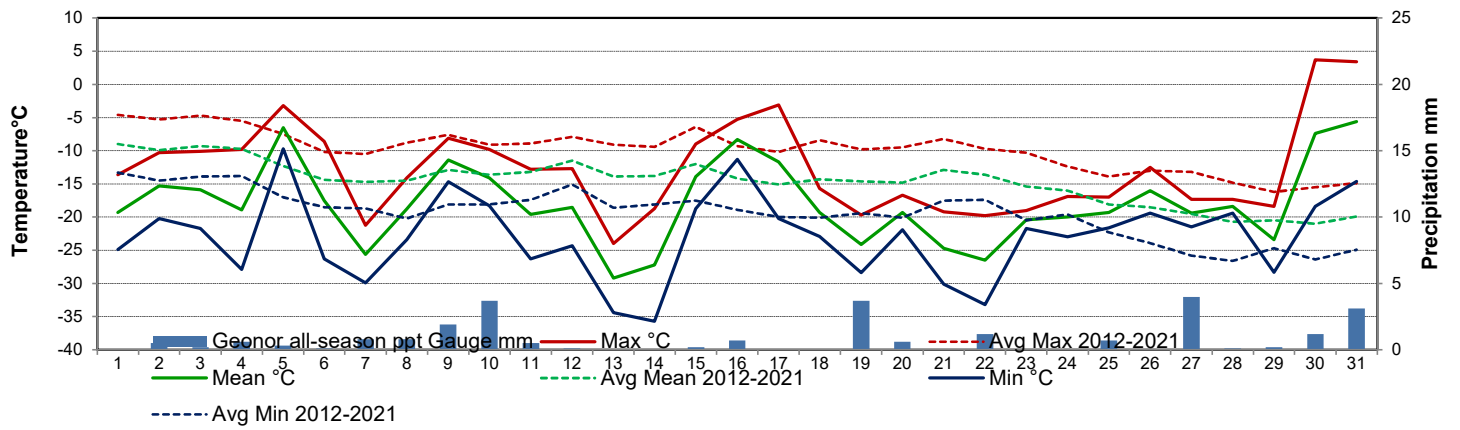
Day	Temperature						Degree-days			Precipitation			Relative Humidity		Station Pressure corrected to sea level	
	Max	Avg Max	Min	Avg Min	Mean	Avg Mean	Growing	Heating	Cooling	Geonor all-season ppt Gauge	Comments	Snow-on-Ground 0900h	Max ½ hr Avg	Min ½ hr Avg	Max ½ hr Avg	Min ½ hr Avg
	°C	2012-2021	°C	2012-2021	°C	2012-2021	5°C base	18°C base	18°C base	mm		cm	%	%	mbar	mbar
1	-13.6	-4.6	-24.9	-13.3	-19.3	-9.0	0.0	37.3	0.0	0.0		12	94	88	1014	999
2	-10.3	-5.3	-20.2	-14.5	-15.3	-9.9	0.0	33.3	0.0	0.5		14	94	78	1023	999
3	-10.1	-4.7	-21.7	-13.9	-15.9	-9.3	0.0	33.9	0.0	0.2		0	90	79	1024	1007
4	-9.8	-5.5	-27.9	-13.8	-18.9	-9.7	0.0	36.9	0.0	0.6		15	93	83	1007	1001
5	-3.2	-7.5	-9.7	-17.0	-6.5	-12.3	0.0	24.5	0.0	0.3		13	92	64	1014	1007
6	-8.6	-10.2	-26.3	-18.5	-17.5	-14.4	0.0	35.5	0.0	0.1		12	85	77	1020	1012
7	-21.2	-10.5	-29.9	-18.7	-25.6	-14.7	0.0	43.6	0.0	0.8		14	89	80	1020	1011
8	-14.1	-8.8	-23.4	-20.2	-18.8	-14.5	0.0	36.8	0.0	0.8		135	91	82	1011	1000
9	-8.1	-7.6	-14.7	-18.1	-11.4	-12.9	0.0	29.4	0.0	1.9		14	96	77	1017	994
10	-9.8	-9.1	-18.3	-18.1	-14.1	-13.6	0.0	32.1	0.0	3.7		11	92	79	1019	1005
11	-12.8	-8.9	-26.3	-17.4	-19.6	-13.2	0.0	37.6	0.0	0.5		0	92	74	1025	1005
12	-12.7	-7.9	-24.3	-15.1	-18.5	-11.5	0.0	36.5	0.0	0.1		18	82	74	1029	1025
13	-24.0	-9.1	-34.4	-18.6	-29.2	-13.9	0.0	47.2	0.0	0.0		16	83	76	1029	1019
14	-18.7	-9.4	-35.7	-18.1	-27.2	-13.8	0.0	45.2	0.0	0.0		16	90	78	1018	1006
15	-9.0	-6.4	-18.7	-17.5	-13.9	-12.0	0.0	31.9	0.0	0.2		16	95	90	1013	986
16	-5.3	-9.3	-11.3	-18.9	-8.3	-14.2	0.0	26.3	0.0	0.7		15	98	72	1006	986
17	-3.1	-10.2	-20.2	-20.0	-11.7	-15.1	0.0	29.7	0.0	0.0		15	89	68	1012	994
18	-15.7	-8.4	-22.9	-20.1	-19.3	-14.3	0.0	37.3	0.0	0.0		15	84	63	1018	999
19	-19.7	-9.8	-28.4	-19.4	-24.1	-14.6	0.0	42.1	0.0	3.7		16	86	70	1002	986
20	-16.7	-9.5	-21.9	-20.1	-19.3	-14.8	0.0	37.3	0.0	0.6		23	86	71	1014	1002
21	-19.2	-8.2	-30.1	-17.5	-24.7	-12.9	0.0	42.7	0.0	0.0		23	86	79	1017	1014
22	-19.8	-9.7	-33.2	-17.4	-26.5	-13.6	0.0	44.5	0.0	1.2		22	86	80	1017	1012
23	-19.0	-10.3	-21.7	-20.5	-20.4	-15.4	0.0	38.4	0.0	0.0		22	87	76	1018	1013
24	-16.9	-12.4	-23.0	-19.6	-20.0	-16.0	0.0	38.0	0.0	0.0		21	87	81	1026	1018
25	-17.0	-13.9	-21.6	-22.3	-19.3	-18.1	0.0	37.3	0.0	0.7		25	90	80	1019	1005
26	-12.5	-13.0	-19.4	-23.9	-16.0	-18.5	0.0	34.0	0.0	0.0		25	87	76	1009	1006
27	-17.3	-13.2	-21.5	-25.8	-19.4	-19.5	0.0	37.4	0.0	4.0		24	86	80	1024	1005
28	-17.3	-14.8	-19.4	-26.6	-18.4	-20.7	0.0	36.4	0.0	0.1		25	86	77	1030	1024
29	-18.4	-16.2	-28.3	-24.7	-23.4	-20.5	0.0	41.4	0.0	0.2		26	95	76	1024	1012
30	3.7	-15.5	-18.4	-26.4	-7.4	-21.0	0.0	25.4	0.0	1.2		25	97	86	1021	1013
31	3.4	-14.9	-14.6	-24.9	-5.6	-19.9	0.0	23.6	0.0	3.1		27	88	79	1025	1015
Total							0.0	1113.5	0.0	25.2			Extreme / Date	Extreme / Date	Extreme / Date	Extreme / Date
Avg	-12.8	-9.8	-23.0	-19.4	-17.9	-14.6	Monthly 2012 - 2021 Average			10.3	2012-2021 Average					
Extreme	3.7	7.1	-35.7	-39.9			0	1008.8	0	280.2	2023 Cumulative ppt		98	63	1030	986
Date	30	2014	14	2013						378.6	Cumulative Average		16	18	28	15

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

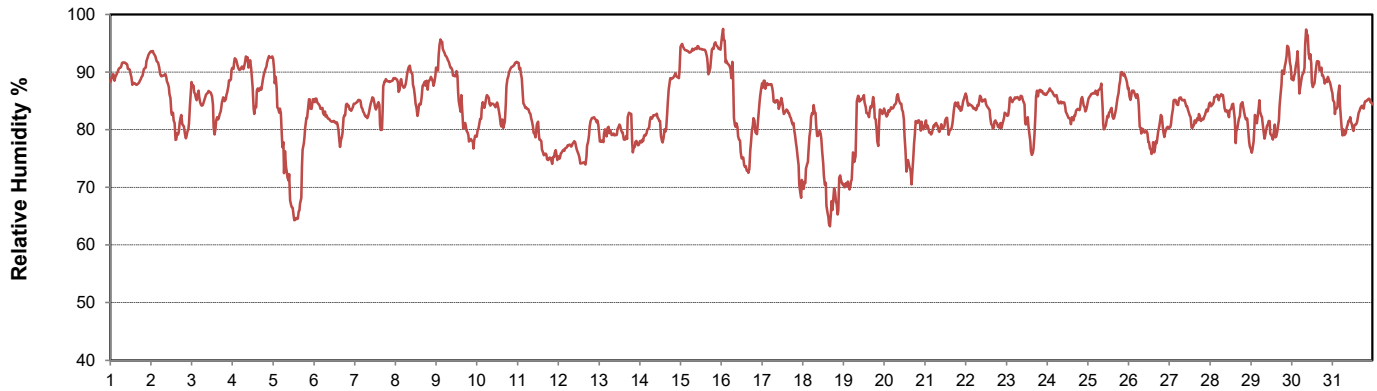
SRC proudly recognizes the following CRS supporters:



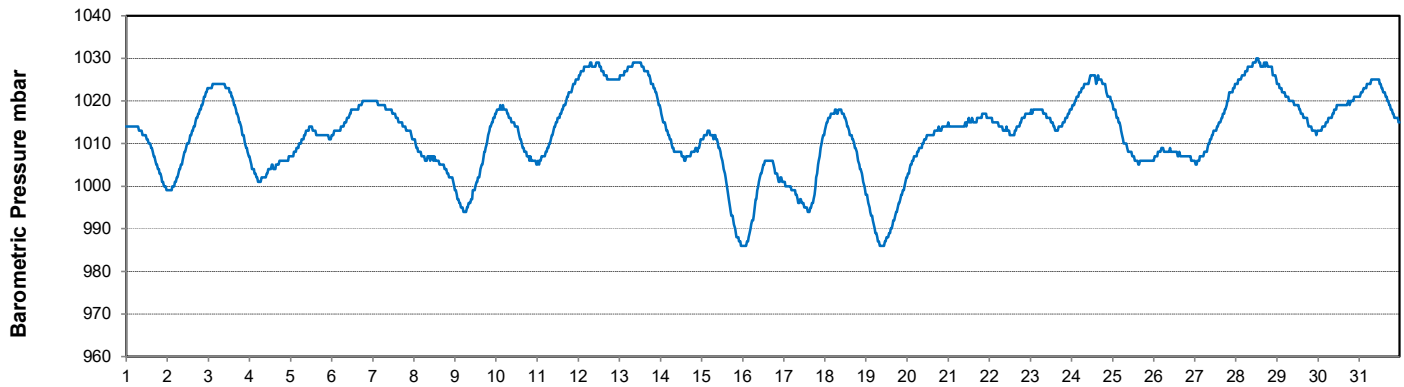
Temperature and Precipitation for December 2025



Relative Humidity for December 2025



Barometric Pressure Corrected to Sea Level for December 2025





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CONSERVATION LEARNING CENTRE

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

Preliminary

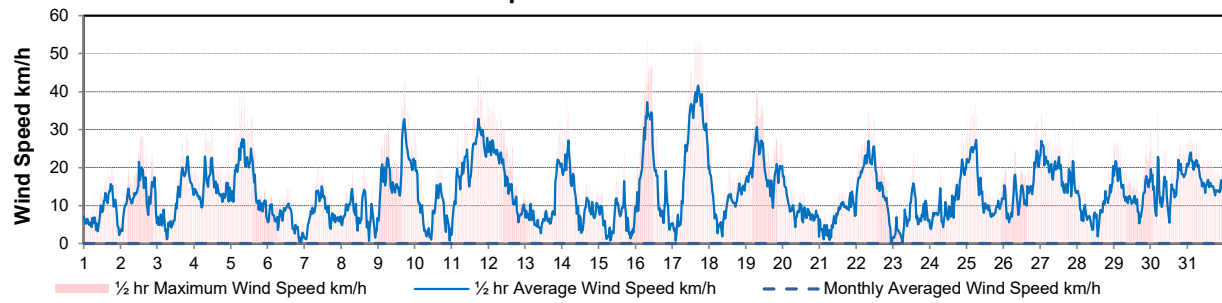
December 2025

Day	Wind Gust (10 meter)			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	% Possible	Global	Diffuse
	km/h			km/h	°C	°C	°C	°C	°C	°C	°C	°C	hours	hours		MJ/m ²	MJ/m ²
1	28.2	SSW	17:23	8.2	-12.5	-1.5	-1.0	0.5	2.0	4.0	5.5	7.5	3.7	8.0	46.5	1.7	1.6
2	22.1	SSW	17:17	12.6	-12.0	-1.0	-1.0	0.0	2.0	3.5	5.5	7.5	0.0	7.9	0.0	2.0	1.9
3	28.4	N	13:56	11.1	-19.0	-1.5	-1.0	0.0	2.0	3.5	5.5	7.5	0.1	7.9	1.3	2.4	1.8
4	30.3	SSW	19:19	14.8	-4.0	-1.5	-1.0	0.0	1.5	3.5	5.0	7.0	2.2	7.8	28.1	1.4	1.4
5	32.3	NW	10:56	16.9	-15.5	-1.5	-1.0	0.0	1.5	3.5	5.0	7.5	0.0	7.8	0.0	3.8	1.0
6	38.9	NW	8:17	6.3	-25.5	-3.0	-1.5	0.0	1.5	3.5	5.0	7.5	6.8	7.8	87.4	4.2	1.2
7	14.9	W	12:12	8.3	-17.5	-3.0	-2.0	0.0	1.5	3.5	5.0	7.5	5.2	7.8	67.0	2.5	1.9
8	21.2	E	8:26	7.9	-11.0	-2.0	-1.5	-0.5	1.5	3.5	5.0	7.0	1.7	7.7	22.0	2.7	2.6
9	20.1	SW	14:04	19.2	-11.5	-1.5	-1.5	-0.5	1.5	3.0	5.0	7.0	0.0	7.7	0.0	1.8	1.7
10	42.7	NW	16:54	8.6	-19.5	-2.0	-1.5	-0.5	1.0	3.0	5.0	7.0	0.3	7.7	3.9	2.2	2.1
11	31.2	NW	0:20	21.5	-18.5	-1.5	-1.5	-0.5	1.0	3.0	5.0	7.0	0.3	7.7	3.9	1.8	1.6
12	45.1	NW	20:02	16.9	-23.0	-1.5	-1.5	-0.5	1.0	3.0	5.0	7.0	0.0	7.6	0.0	3.7	0.9
13	37.4	NW	2:44	9.0	-17.0	-2.0	-1.5	-0.5	1.0	3.0	4.5	7.0	6.8	7.6	89.1	3.6	1.5
14	32.8	SSE	22:04	12.6	-8.5	-2.0	-2.0	-0.5	1.0	3.0	4.5	7.0	5.1	7.6	67.0	1.9	1.8
15	38.1	S	2:58	6.3	-7.0	-1.5	-1.5	-0.5	1.0	3.0	4.5	7.0	0.0	7.6	0.0	1.5	1.4
16	24.0	SSE	16:10	17.8	-7.5	-1.5	-1.5	-0.5	1.0	2.5	4.5	7.0	0.0	7.6	0.0	3.0	1.4
17	53.2	WNW	7:09	24.3	-14.0	-1.5	-1.5	-0.5	0.5	2.5	4.5	7.0	5.5	7.6	72.6	1.8	1.7
18	53.7	NE	17:32	10.7	-15.0	-2.0	-1.5	-0.5	0.5	2.5	4.5	7.0	0.0	7.6	0.0	2.5	1.6
19	25.8	NNE	0:05	20.1	-15.0	-2.5	-2.0	-1.0	0.5	2.5	4.5	7.0	2.8	7.6	37.0	1.7	1.7
20	41.3	E	6:57	8.7	-14.5	-2.0	-2.0	-1.0	0.5	2.5	4.5	6.5	0.0	7.6	0.0	4.1	1.0
21	23.5	NNW	0:13	7.2	-17.5	-2.5	-2.0	-1.0	0.5	2.5	4.0	6.5	6.6	7.6	87.3	3.4	2.0
22	19.8	E	20:56	16.1	-13.5	-2.5	-2.0	-1.0	0.5	2.5	4.0	6.5	4.9	7.6	64.8	1.6	1.5
23	34.9	ENE	7:33	6.9	-12.5	-2.5	-2.0	-1.0	0.0	2.5	4.0	6.5	0.0	7.6	0.0	2.7	2.0
24	24.2	SE	12:57	10.7	-12.5	-2.5	-2.0	-1.0	0.0	2.5	4.0	6.5	2.3	7.6	30.4	1.9	1.9
25	31.9	E	23:51	14.4	-9.5	-2.5	-2.0	-1.0	0.0	2.5	4.0	6.5	0.0	7.6	0.0	1.9	1.8
26	38.4	E	5:31	13.6	-11.5	-2.5	-2.0	-1.0	0.0	2.0	4.0	6.5	0.0	7.6	0.0	2.2	2.1
27	32.4	ENE	21:33	19.0	-13.0	-2.5	-2.0	-1.0	0.0	2.0	4.0	6.5	0.0	7.6	0.0	2.5	2.4
28	34.4	ENE	0:22	9.4	-16.0	-2.5	-2.0	-1.5	0.0	2.0	4.0	6.5	0.4	7.6	5.3	3.4	2.0
29	27.2	SSW	23:30	13.5	-11.5	-2.5	-2.5	-1.5	0.0	2.0	3.5	6.5	4.6	7.6	60.4	2.1	2.1
30	30.3	NW	23:44	15.1	-1.0	-2.0	-2.0	-1.5	-0.5	2.0	3.5	6.0	0.0	7.6	0.0	1.9	1.8
31	34.3	WNW	4:16	17.2	-15.0	-1.5	-1.5	-1.0	-0.5	2.0	3.5	6.5	0.0	7.7	0.0	2.0	1.9
Total													59.3	237.5	25.0	75.9	53.3
Mean				13.1	-13.6	-2.0	-1.7	-0.6	0.8	2.8	4.5	6.9					
Extreme	53.7	NE	17:32														
Date	18																

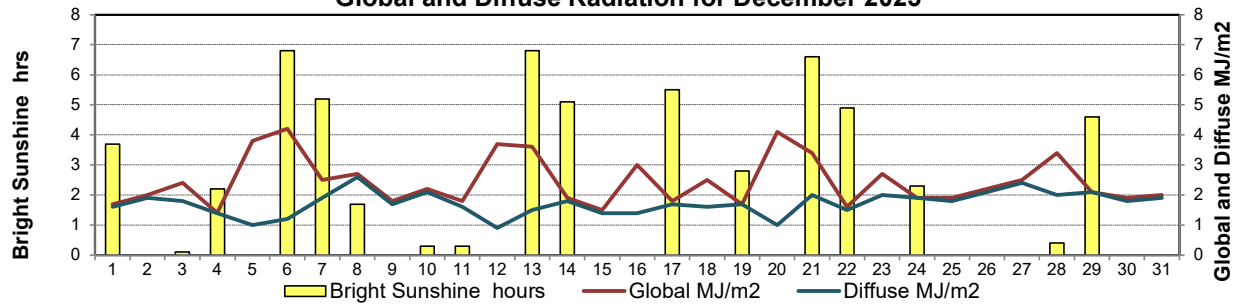
GLOSSARY OF TERMS

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

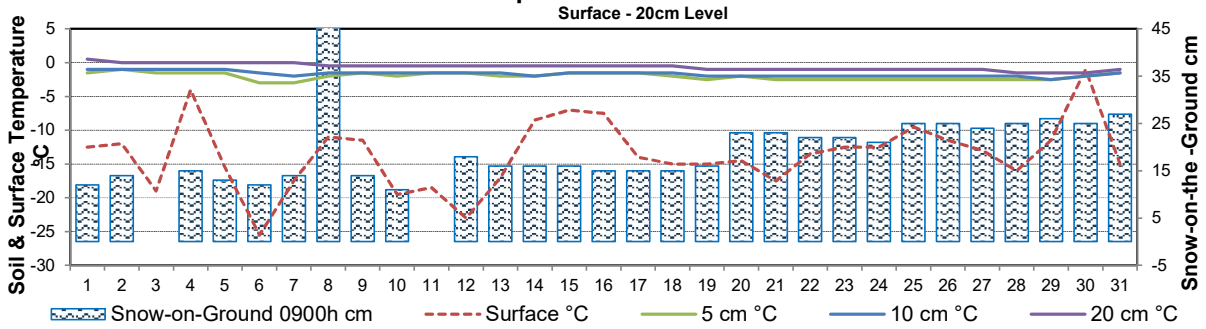
Wind Speed for December 2025



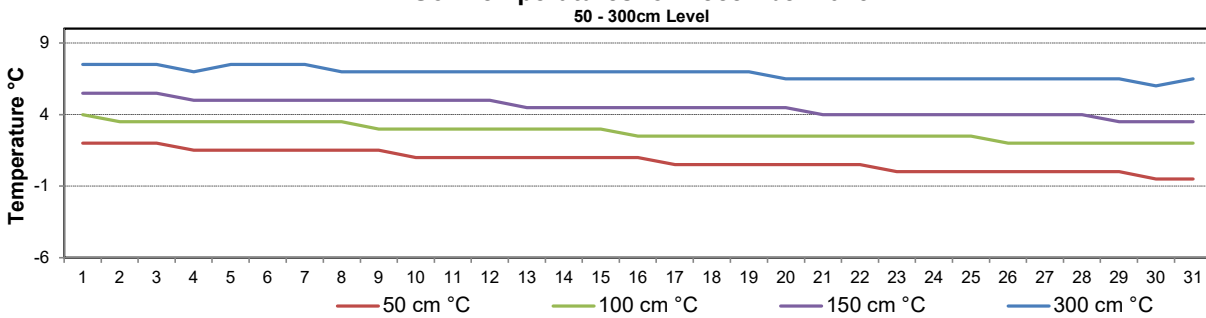
Global and Diffuse Radiation for December 2025



Soil Temperatures for December 2025



Soil Temperatures for December 2025





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

Preliminary

December 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	5.0	13.0	17.6	1.5	27.0	29.0														
2	10.0	16.8	24.5	1.5	27.0	29.0														
3	7.0	18.0	24.1	1.5	26.5	29.0														
4	12.0	17.8	26.8	1.0	26.5	29.0														
5	13.0	21.8	30.4	1.5	26.0	29.5														
6	4.0	8.8	12.9	1.0	24.5	29.5														
7	7.0	13.1	18.9	1.0	21.0	29.0														
8	6.0	12.0	18.5	1.0	20.0	29.0														
9	15.0	25.8	34.6	1.0	20.0	29.0														
10	6.0	17.2	25.0	1.0	20.0	28.5														
11	17.0	25.6	35.6	1.0	19.5	28.5														
12	14.0	21.6	29.5	1.0	19.0	28.5														
13	7.0	17.3	26.2	1.0	18.5	29.0														
14	10.0	21.6	29.8	1.0	18.0	29.0														
15	4.0	11.3	17.7	1.0	17.5	28.5														
16	14.0	29.1	41.9	1.0	18.0	28.5														
17	18.0	31.5	44.0	1.0	18.0	28.5														
18	7.0	16.3	21.4	1.0	17.0	29.0														
19	16.0	25.2	34.3	1.0	17.0	28.5														
20	7.0	14.5	19.7	1.0	17.0	28.5														
21	5.0	11.6	15.8	1.0	16.5	28.0														
22	13.0	22.4	30.2	1.0	17.0	28.5														
23	4.0	12.1	18.7	1.0	17.0	28.5														
24	9.0	19.1	24.3	1.0	16.5	28.0														
25	12.0	21.9	33.7	1.0	16.5	28.0														
26	11.0	19.9	27.0	1.0	16.5	28.0														
27	15.0	21.9	28.7	1.0	17.0	28.0														
28	7.0	17.8	23.3	1.0	17.0	28.0														
29	12.0	18.9	26.8	1.0	17.0	28.5														
30	12.0	18.2	28.9	1.0	16.5	28.5														
31	14.0	2.0	27.0	1.0	17.0	28.5														
Total																				
Mean				1	19	28.6														
Extreme	18.0	31.5	44.0	1.5	27	29.5														
Date	-0.5	-0.5	-0.5	0	0	0														

SRC proudly recognizes the following CRS supporters:



