



SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

CONSERVATION LEARNING CENTRE

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

Preliminary October 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	Tipping Bucket	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	mm	cm	%	%	mbar	mbar
1	21.6	12.5	9.7	2.9	15.7	7.7	10.7	2.3	0.0	0.1	0.0	0	96	46	1008	1000
2	17.1	12.1	4.4	1.7	10.8	6.9	5.8	7.2	0.0	0.1	0.0	0	98	53	1016	1008
3	16.5	10.7	2.2	-0.6	9.4	5.0	4.4	8.6	0.0	0.0	0.0	0	100	56	1016	1006
4	17.1	9.6	2.6	-1.1	9.9	4.3	4.9	8.1	0.0	0.2	0.2	0	100	43	1012	1005
5	8.2	11.2	-0.5	-1.0	3.9	5.1	0.0	14.1	0.0	0.2	0.0	0	96	46	1016	1012
6	9.7	13.1	-8.3	1.3	0.7	7.2	0.0	17.3	0.0	0.0	0.0	0	88	34	1019	1012
7	17.8	12.3	-10.2	0.8	3.8	6.6	0.0	14.2	0.0	0.0	0.0	0	93	35	1019	1009
8	21.5	9.2	6.6	-2.2	14.1	3.5	9.1	3.9	0.0	0.0	0.0	0	90	34	1013	1006
9	15.9	9.7	1.2	-2.7	8.6	3.5	3.6	9.4	0.0	0.1	0.0	0	97	35	1020	1013
10	20.3	12.8	-3.2	-2.4	8.6	5.2	3.6	9.4	0.0	0.0	0.0	0	91	31	1020	1006
11	23.2	10.3	8.9	-0.9	16.1	4.7	11.1	1.9	0.0	0.0	0.0	0	75	34	1005	993
12	9.2	8.5	0.2	-2.1	4.7	3.2	0.0	13.3	0.0	16.5		0	100	74	1011	997
13	3.4	7.8	-1.5	-3.1	1.0	2.3	0.0	17.0	0.0	0.0		0	97	73	1026	1012
14	4.8	8.7	-3.3	-2.2	0.8	3.3	0.0	17.2	0.0	0.0		0	99	76	1026	1022
15	8.9	9.9	-5.7	-1.8	1.6	4.0	0.0	16.4	0.0	0.1		0	100	79	1022	1014
16	15.0	9.3	-2.0	-1.8	6.5	3.8	1.5	11.5	0.0	0.0		0	100	51	1014	1001
17	13.3	11.3	-4.0	-1.3	4.7	5.0	0.0	13.3	0.0	1.4		0	100	47	1001	995
18	12.4	10.0	0.4	-1.2	6.4	4.4	1.4	11.6	0.0	0.1		0	94	45	1007	998
19	9.3	8.8	-5.0	-3.2	2.2	2.8	0.0	15.8	0.0	3.7		0	99	55	1007	996
20	6.0	7.2	-1.4	-3.0	2.3	2.1	0.0	15.7	0.0	5.3		0	100	77	1015	996
21	8.6	8.0	-3.2	-1.8	2.7	3.1	0.0	15.3	0.0	0.0		0	100	73	1014	1012
22	12.7	5.6	-2.0	-4.5	5.4	0.6	0.4	12.6	0.0	0.0		0	99	57	1018	1014
23	14.2	6.1	-3.8	-3.7	5.2	1.2	0.2	12.8	0.0	0.0		0	100	46	1016	1009
24	14.3	7.0	-5.1	-2.2	4.6	2.4	0.0	13.4	0.0	0.0		0	99	48	1010	1001
25	18.6	5.9	4.4	-2.0	11.5	2.0	6.5	6.5	0.0	0.0		0	82	38	1005	999
26	11.9	4.1	2.8	-3.5	7.4	0.3	2.4	10.6	0.0	0.4		0	99	58	1005	994
27	9.7	3.2	0.2	-4.5	5.0	-0.7	0.0	13.0	0.0	0.1		0	90	53	1010	998
28	5.1	2.5	-3.3	-5.0	0.9	-1.2	0.0	17.1	0.0	0.5		0	96	67	1023	1010
29	9.0	3.1	-5.6	-4.0	1.7	-0.5	0.0	16.3	0.0	0.9		0	96	43	1023	1005
30	2.6	3.0	0.3	-4.2	1.5	-0.6	0.0	16.5	0.0	1.9		0	98	92	1021	1006
31	3.3	3.0	-1.2	-4.2	1.1	-0.6	0.0	16.9	0.0	0.2		0	100	80	1023	1014
Total							65.6	379.2	0.0	31.8			Extreme / Date	Extreme / Date	Extreme / Date	Extreme / Date
Avg	12.3	8.3	-0.8	-2.1	5.8	3.1	Monthly 2012 - 2021 Average			20.0	2012-2021 Average					
Extreme	23.2	25.2	-10.2	-15.5			37.4	461.4	0	236.3	2023 Cumulative ppt		100	31	1026	993
Date	11	2021	7	2019						343.6	Cumulative Average		3	10	13	11

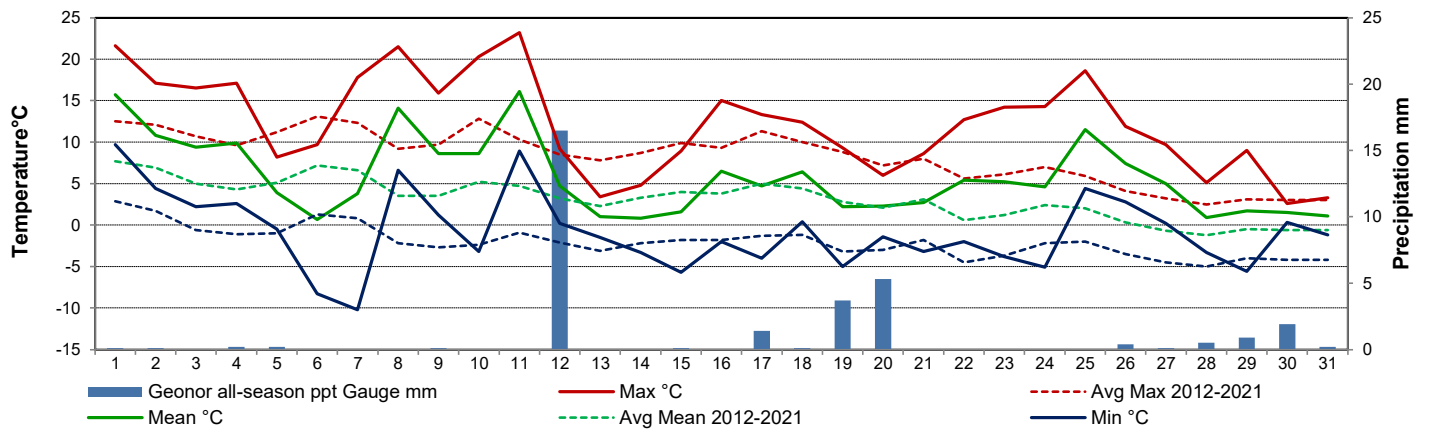
Note: Red numbers indicate manual calculation; Red cell indicate data not available

site maintenance: 12 Oct 2023

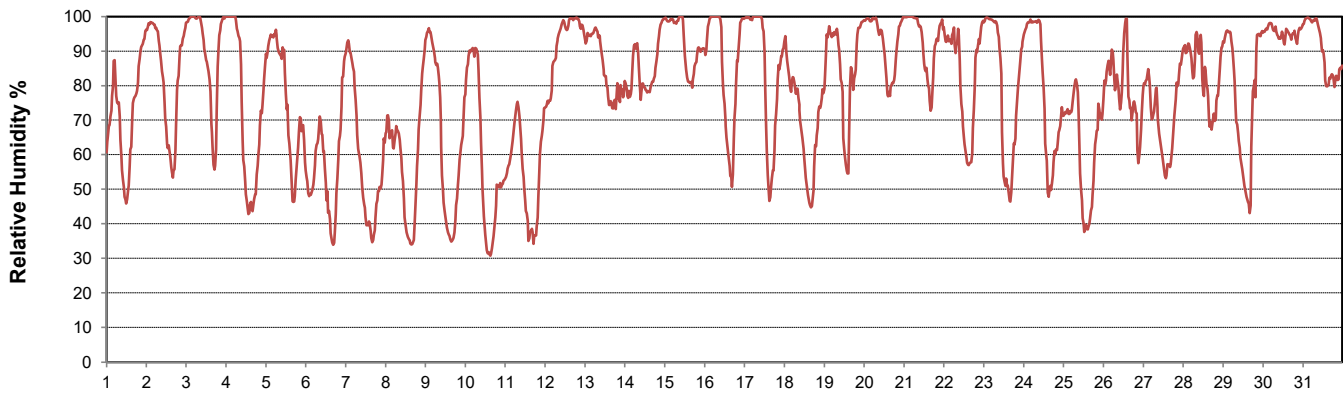
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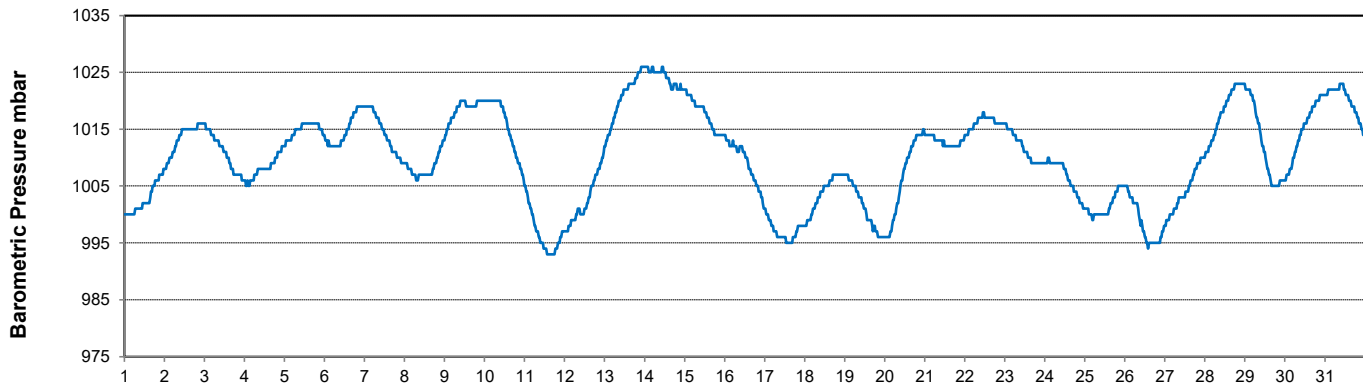
Temperature and Precipitation for October 2025



Relative Humidity for October 2025



Barometric Pressure Corrected to Sea Level for October 2025





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CONSERVATION LEARNING CENTRE

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

Preliminary

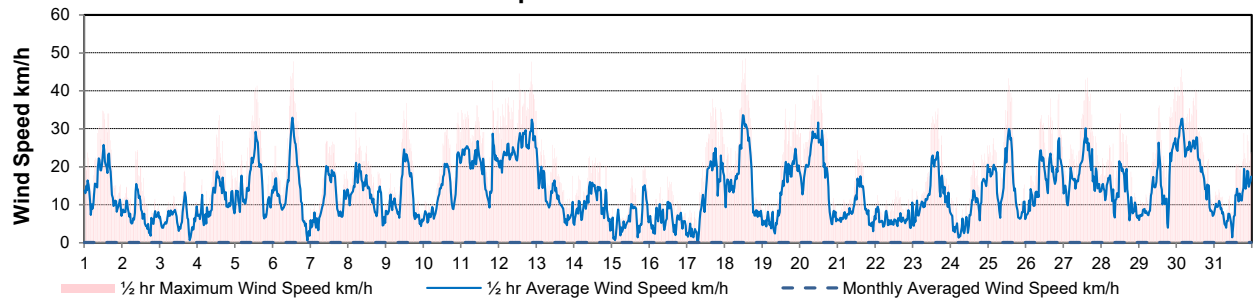
October 2025

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	34.8	SW	11:51	15.0	14.0	12.0	14.0	12.0	12.0	11.5	11.5	8.5	8.2	11.6	70.7	11.5	3.1
2	24.4	NNW	10:02	7.4	10.5	11.0	13.5	12.0	12.5	11.5	11.0	8.5	5.9	11.5	51.2	9.2	4.9
3	18.9	SW	16:03	6.2	6.0	9.5	11.5	11.5	12.5	11.5	11.0	8.5	3.3	11.5	28.8	6.5	4.7
4	33.6	NNW	14:16	10.9	7.0	8.5	10.5	10.5	12.0	11.5	11.0	8.5	7.3	11.4	64.1	10.3	2.9
5	41.4	NW	14:18	15.2	4.0	8.0	10.0	10.0	11.5	11.5	11.0	8.5	4.8	11.3	42.4	8.2	4.3
6	47.7	NW	13:16	14.2	5.5	7.0	9.0	9.0	11.0	11.5	11.0	8.5	7.9	11.3	70.2	10.8	3.2
7	26.8	S	10:00	11.2	4.0	5.0	7.0	8.0	10.5	11.0	11.0	8.5	5.4	11.2	48.3	8.2	3.6
8	34.3	S	5:12	13.1	8.5	7.0	8.5	8.5	10.0	11.0	11.0	8.5	9.0	11.1	80.9	9.8	1.7
9	36.8	NW	13:04	12.0	3.5	6.5	8.5	9.0	10.0	11.0	11.0	8.5	10.5	11.1	95.0	11.2	1.4
10	34.3	S	22:19	13.2	1.5	4.5	7.0	8.0	10.0	10.5	11.0	8.5	10.4	11.0	94.7	10.8	1.6
11	42.7	NW	20:12	20.7	11.0	8.0	9.0	8.5	10.0	10.5	10.5	8.5	6.3	10.9	57.7	7.9	3.0
12	47.7	NNW	21:26	25.4	2.5	8.5	10.0	9.5	10.0	10.5	10.5	8.5	0.0	10.9	0.0	1.1	1.0
13	34.6	NW	0:00	11.8	0.0	4.5	6.0	7.5	10.0	10.0	10.5	8.5	2.6	10.8	24.1	6.5	4.6
14	22.7	SSW	10:18	10.4	-1.5	4.0	5.5	7.0	9.0	10.0	10.5	8.5	2.5	10.7	23.3	4.9	4.0
15	20.3	S	21:25	6.5	-1.5	3.0	4.5	6.0	8.5	10.0	10.5	8.5	0.0	10.6	0.0	3.2	3.1
16	17.4	S	11:57	6.2	-0.5	4.0	5.5	6.5	8.0	9.5	10.0	8.5	9.4	10.6	88.9	9.7	1.6
17	37.9	NW	16:59	12.2	1.5	3.5	4.5	6.0	8.0	9.5	10.0	8.5	3.9	10.5	37.1	6.6	2.6
18	48.5	NW	13:59	17.6	3.5	5.0	5.5	6.5	8.0	9.5	10.0	8.5	9.0	10.4	86.2	9.2	1.3
19	36.4	E	21:20	12.6	-2.5	3.0	4.0	6.0	8.0	9.0	10.0	8.5	2.5	10.4	24.1	3.7	2.8
20	44.1	N	11:37	19.0	1.5	3.5	4.5	5.5	7.5	9.0	9.5	8.5	1.9	10.3	18.4	5.0	3.7
21	24.3	SSW	12:56	8.8	-1.0	2.5	3.5	5.0	7.5	8.5	9.5	8.5	3.7	10.2	36.1	4.9	3.4
22	14.2	ENE	23:49	6.2	1.5	3.0	3.5	5.0	7.0	8.5	9.5	8.5	8.3	10.2	81.6	8.2	1.2
23	35.4	SE	16:24	13.4	-0.5	2.5	3.5	5.0	7.0	8.5	9.5	8.5	8.5	10.1	84.1	8.1	2.2
24	25.6	SSW	23:47	8.4	-2.0	2.5	3.5	4.5	6.5	8.5	9.5	8.5	6.8	10.0	67.7	6.6	3.5
25	43.3	SW	13:22	15.4	5.5	3.5	4.5	5.0	6.5	8.0	9.0	8.5	5.2	10.0	52.2	5.8	3.2
26	39.1	SSW	21:18	16.7	7.5	4.5	5.0	5.5	6.5	8.0	9.0	8.5	2.7	9.9	27.2	2.8	1.8
27	43.4	W	15:31	18.1	1.0	3.5	4.5	5.5	7.0	8.0	9.0	8.5	7.2	9.8	73.2	7.2	1.7
28	33.9	NW	12:38	13.0	0.5	3.0	3.5	5.0	6.5	8.0	9.0	8.5	0.5	9.8	5.1	3.1	2.6
29	41.0	WNW	22:56	14.3	0.5	2.0	2.5	4.5	6.5	7.5	8.5	8.5	0.4	9.7	4.1	2.4	2.1
30	45.8	WNW	3:27	21.5	1.5	2.5	3.0	4.0	6.0	7.5	8.5	8.5	0.0	9.7	0.0	1.5	1.5
31	28.8	SSW	19:10	10.2	-0.5	2.5	2.5	4.0	6.0	7.5	8.5	8.5	0.6	9.6	6.3	3.3	2.9
Total													154.7	328.0	47.2	208.2	85.2
Mean				13.1	3.0	5.1	6.4	7.1	8.8	9.6	9.9	8.5					
Extreme	48.5	NW	13:59														
Date	18																

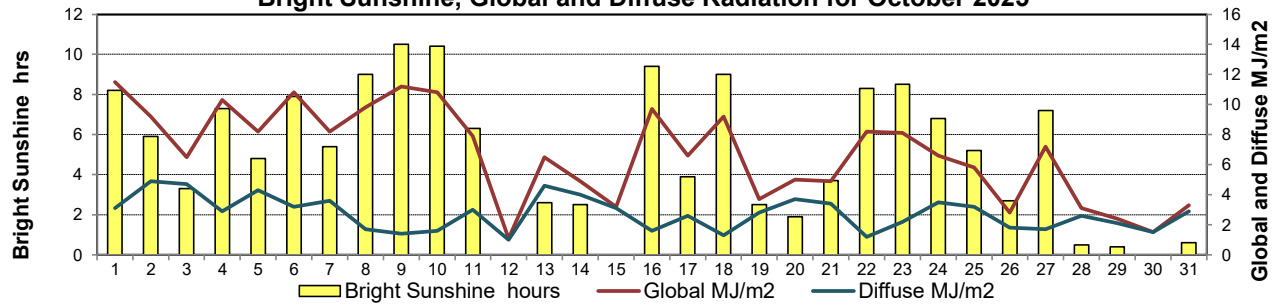
GLOSSARY OF TERMS

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	
Heating (18°C-Tm); if Tm ≥ 18°C then HDD = 0	
Cooling (Tm-18°C); if Tm ≤ 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 to 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 October 2025

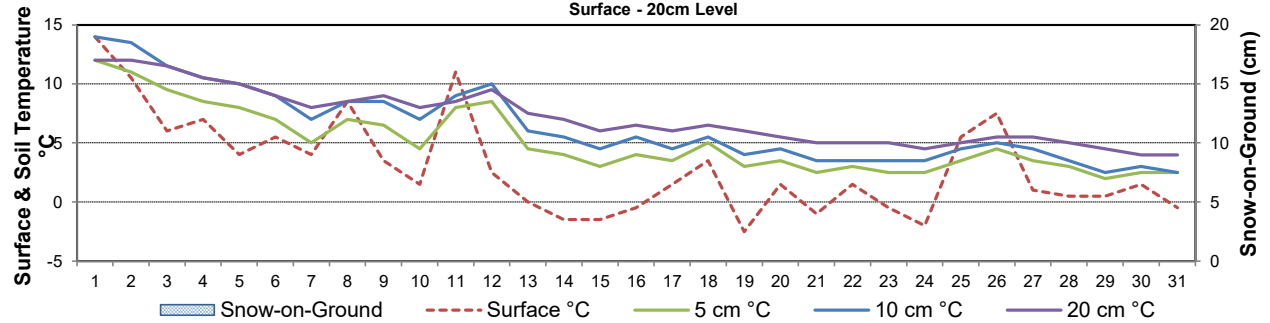


Bright Sunshine, Global and Diffuse Radiation for October 2025



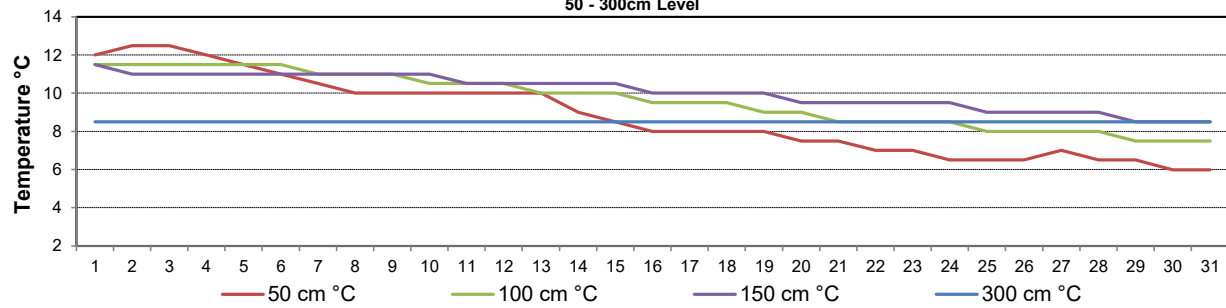
Soil Temperatures for October 2025

Surface - 20cm Level



Soil Temperatures for October 2025

50 - 300cm Level





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CONSERVATION LEARNING CENTRE

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

Preliminary

October 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	11.0	18.9	26.6	2.5	23.5	32.0												
2	5.0	11.8	19.9	2.5	23.5	32.5												
3	3.0	10.8	15.4	2.0	23.5	32.5												
4	7.0	14.6	25.8	2.0	23.0	32.0												
5	11.0	21.6	30.2	2.0	23.5	32.0												
6	10.0	24.3	35.8	2.0	23.0	32.0												
7	6.0	15.4	22.4	2.0	23.0	31.5												
8	8.0	14.5	22.5	2.0	22.5	32.0												
9	7.0	18.6	27.5	2.0	23.0	32.0												
10	7.0	16.5	25.6	2.0	23.0	32.0												
11	15.0	21.1	32.0	2.0	23.0	31.5												
12	18.0	22.3	32.9	2.0	23.0	31.5												
13	8.0	17.1	23.5	3.0	23.0	31.5												
14	6.0	12.7	18.5	3.5	22.5	31.5												
15	3.0	11.5	16.8	3.5	22.5	31.5												
16	3.0	9.3	16.2	3.5	22.5	31.0												
17	9.0	18.8	30.2	3.5	22.5	31.0												
18	12.0	24.8	36.0	3.5	22.5	31.5												
19	7.0	19.1	27.2	3.5	22.5	31.0												
20	14.0	24.5	32.7	4.0	22.5	31.0												
21	7.0	13.9	19.9	3.5	22.0	31.0												
22	3.0	6.2	12.6	3.5	22.0	30.5												
23	9.0	14.4	23.1	3.5	22.5	31.0												
24	4.0	13.6	19.5	3.5	23.0	30.5												
25	9.0	22.8	34.3	3.5	23.5	30.5												
26	11.0	20.5	29.8	3.5	23.5	30.5												
27	13.0	22.5	32.7	3.5	23.5	30.5												
28	9.0	16.4	25.4	3.0	24.5	30.5												
29	7.0	20.6	28.9	3.0	24.5	30.5												
30	16.0	23.6	33.1	3.5	24.5	30.5												
31	8.0	9.0	22.0	3.5	24.5	30.5												
Total																		
Mean				3	23	31.3												
Extreme	18.0	24.8	36.0	4	24.5	32.5												
Date	9	6.5	6.5	5.5	4.5	12												

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