



SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

CONSERVATION LEARNING CENTRE

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

Preliminary

August 2026

Day	Temperature (HMP155A)						Degree-days			Precipitation			Relative Humidity (HMP115A)		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	Notes	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		%	%	mbar	mbar
1	26.5	24.8	12.5	11.4	19.5	18.1	14.5	0.0	1.5	0.0	0.0		99	63	1016	1002
2	22.2	25.7	11.1	12.7	16.7	19.2	11.7	1.3	0.0	0.1	0.4		87	49	1004	996
3	16.9	24.3	7.8	12.2	12.4	18.3	7.4	5.6	0.0	2.6	2.8		97	49	1014	1004
4	20.7	23.7	6.9	13.0	13.8	18.4	8.8	4.2	0.0	0.0	0.0		93	46	1014	1009
5	19.8	25.5	10.9	12.5	15.4	19.0	10.4	2.6	0.0	2.3	2.8	Light Rain	98	59	1008	1006
6	17.0	24.9	8.2	11.6	12.6	18.3	7.6	5.4	0.0	0.1	0.4		97	63	1015	1004
7	20.1	24.0	6.9	11.8	13.5	17.9	8.5	4.5	0.0	0.0	0.0		96	51	1016	1014
8	20.7	23.3	7.5	11.2	14.1	17.3	9.1	3.9	0.0	0.0	0.0		96	49	1015	1013
9	21.2	23.3	5.8	11.3	13.5	17.3	8.5	4.5	0.0	0.0	0.0		99	48	1015	1014
10	19.6	24.6	5.6	10.8	12.6	17.7	7.6	5.4	0.0	1.8	2.4		99	65	1016	1013
11	21.8	24.9	8.5	11.2	15.2	18.1	10.2	2.8	0.0	0.0	0.0		99	49	1014	1013
12	20.5	24.6	8.0	10.6	14.3	17.6	9.3	3.7	0.0	0.0	0.4		96	46	1017	1014
13	21.1	24.6	8.7	9.6	14.9	17.1	9.9	3.1	0.0	0.0	0.0		99	48	1019	1017
14	17.1	26.1	9.8	12.1	13.5	19.1	8.5	4.5	0.0	28.2	27.0	Rain	99	85	1020	1018
15	20.3	23.7	8.2	12.0	14.3	17.9	9.3	3.7	0.0	0.0	0.2		99	48	1020	1017
16	24.4	23.7	5.3	11.0	14.9	17.4	9.9	3.1	0.0	0.0	0.0		99	47	1019	1012
17	19.5	23.9	6.0	11.4	12.8	17.7	7.8	5.2	0.0	0.0	0.2		99	43	1018	1014
18	22.7	24.3	3.2	9.8	13.0	17.1	8.0	5.0	0.0	0.0	0.0		99	36	1015	1010
19	22.6	23.1	10.0	10.0	16.3	16.6	11.3	1.7	0.0	1.0	1.6		99	61	1011	1007
20	24.2	22.4	6.3	10.0	15.3	16.2	10.3	2.7	0.0	0.0	0.2		99	48	1017	1011
21	21.8	22.1	7.1	9.4	14.5	15.8	9.5	3.5	0.0	0.0	0.0		99	42	1022	1017
22	25.3	22.8	3.8	9.0	14.6	15.9	9.6	3.4	0.0	0.0	0.0		99	34	1022	1012
23	26.7	21.3	13.3	9.1	20.0	15.2	15.0	0.0	2.0	0.0	0.0		94	44	1012	1006
24	18.8	21.3	9.9	9.8	14.4	15.6	9.4	3.6	0.0	1.2	1.8		99	80	1013	1004
25	22.2	20.6	9.5	8.2	15.9	14.4	10.9	2.1	0.0	0.0	0.4		90	44	1019	1013
26	26.3	21.6	5.0	8.4	15.7	15.0	10.7	2.3	0.0	0.0	0.0		99	37	1020	1017
27	26.9	22.4	7.3	9.5	17.1	16.0	12.1	0.9	0.0	0.0	0.0		98	35	1018	1011
28	25.8	23.7	9.6	10.1	17.7	17.0	12.7	0.3	0.0	0.0	0.0		90	43	1011	1007
29	24.0	24.5	5.0	9.5	14.5	17.1	9.5	3.5	0.0	0.0	0.0		99	41	1011	1009
30	18.0	22.6	8.2	8.3	13.1	15.5	8.1	4.9	0.0	37.7	36.0	Rain	99	70	1009	999
31	16.2	22.5	6.3	9.7	11.3	16.1	6.3	6.7	0.0	45.5	41.4	Rain	99	77	1009	996
Total							302.4	104.1	3.5	120.5	118.0		Extreme / Date	Extreme / Date	Extreme / Date	Extreme / Date
Avg	21.6	23.6	7.8	10.6	14.8	17.1	Monthly 2012 - 2021 Average			43.0	2012-2021 Average					
Extreme	26.9	35.0	3.2	1.4			374.8	56.7	28.5	449.3	2026 Cumulative ppt		99	34	1022	996
Date	27	14/2021	18	11/2019						295.3	Cumulative Average		1	22	21	2

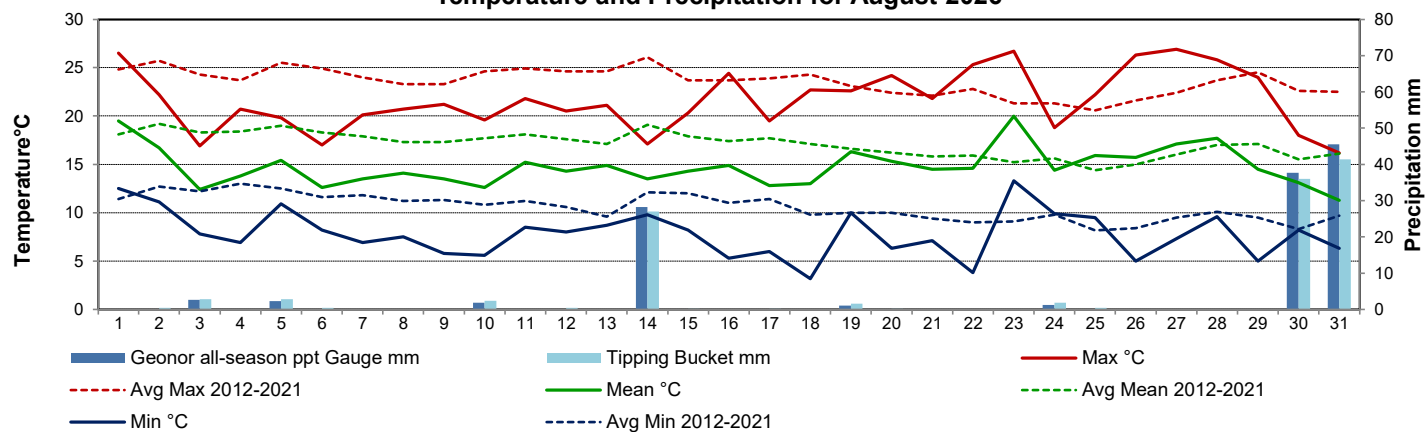
Note: Red numbers indicate manual calculation; Red cell indicate data not available

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

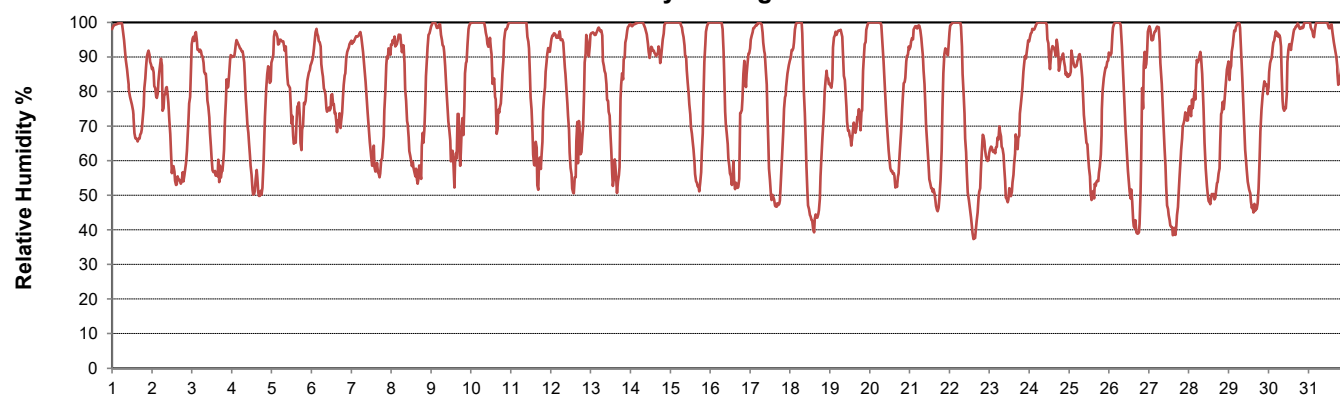
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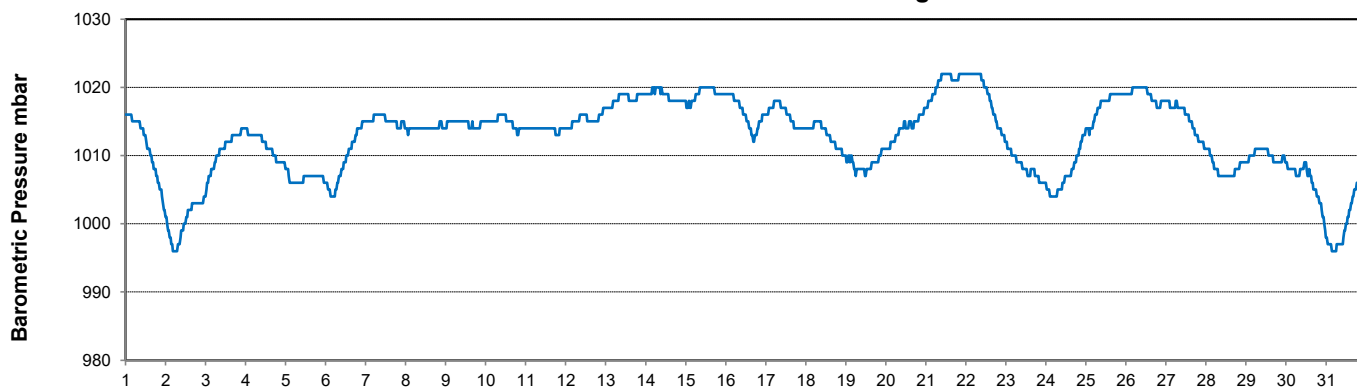
Temperature and Precipitation for August 2026



Relative Humidity for August 2026



Barometric Pressure Corrected to Sea Level for August 2026





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CONSERVATION LEARNING CENTRE

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

Preliminary

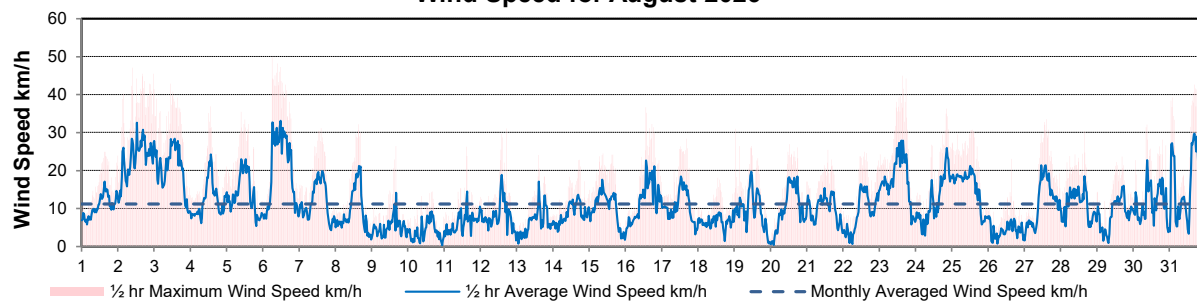
August 2026

Day	Wind Gust (10 meter)			Wind Speed (10 meter)	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	24.9	SE	15:54	10.5	19.5	18.5	20.0	19.0	18.0	14.5	12.0	6.5	13.8	15.6	88.6	23.2	6.7
2	47.0	W	9:32	23.1	21.0	19.5	21.0	19.5	18.0	14.5	12.0	6.5	12.5	15.5	80.5	21.6	7.6
3	42.8	NW	11:22	20.4	12.0	16.5	19.0	18.5	18.0	14.5	12.0	6.5	11.8	15.5	76.3	21.1	9.0
4	36.9	S	13:56	12.1	14.0	15.0	17.0	16.5	17.5	14.5	12.0	6.0	11.6	15.4	75.3	22.4	5.2
5	35.5	WNW	9:46	13.6	15.0	16.0	17.5	16.5	17.0	14.5	12.0	6.0	5.5	15.4	35.8	14.7	8.9
6	49.8	NW	6:10	20.4	12.0	15.0	17.0	16.5	17.0	14.5	12.0	6.5	4.5	15.3	29.4	13.4	9.5
7	31.2	NW	14:59	11.9	14.5	13.5	15.5	15.5	16.5	14.0	12.0	6.5	11.6	15.2	76.2	20.1	7.7
8	32.1	NW	15:08	9.3	15.5	14.5	16.5	16.0	16.0	14.0	12.0	6.5	12.0	15.2	79.1	21.4	6.3
9	26.4	NNW	16:09	5.2	15.0	15.5	17.0	16.5	16.0	14.0	12.5	7.0	8.0	15.1	52.9	15.6	9.3
10	14.5	SSE	16:04	3.9	13.5	15.0	17.0	16.5	16.0	14.0	12.5	7.0	2.2	15.1	14.6	9.0	7.0
11	26.2	N	14:58	6.1	14.0	15.0	16.5	16.0	16.0	14.0	12.0	7.0	5.4	15.0	36.0	13.6	6.4
12	31.1	NNW	17:11	8.2	15.0	15.0	16.5	16.0	16.0	14.0	12.0	7.0	10.1	14.9	67.6	18.2	7.7
13	24.0	S	14:48	6.6	16.5	15.5	17.0	16.5	16.0	14.0	12.5	7.0	6.9	14.9	46.4	16.4	8.7
14	22.8	SSE	17:48	8.5	14.5	16.0	18.0	16.5	16.0	14.0	12.5	7.5	0.1	14.8	0.7	7.3	6.5
15	24.5	N	9:00	10.2	12.5	15.0	16.5	16.0	16.0	14.0	12.0	7.0	9.6	14.7	65.1	19.7	6.1
16	36.6	W	13:57	12.1	15.0	14.0	16.0	16.0	16.0	14.0	12.0	7.0	10.7	14.7	72.9	20.7	5.7
17	28.4	NW	16:02	10.6	13.0	15.0	17.0	16.5	16.0	14.0	12.0	7.5	11.4	14.6	78.0	19.3	6.8
18	18.0	SSE	13:26	6.6	13.5	13.5	16.0	16.0	16.0	14.0	12.0	7.5	12.5	14.6	85.9	21.3	3.9
19	31.0	WNW	1:27	9.6	16.5	16.5	18.0	17.0	16.0	14.0	12.0	7.5	9.3	14.5	64.2	17.0	7.1
20	26.9	NW	12:32	10.0	17.0	15.5	17.5	17.0	16.0	14.0	12.0	7.5	12.0	14.4	83.2	19.4	5.4
21	25.4	NW	14:11	10.0	15.0	15.5	17.5	17.0	16.0	14.0	12.5	7.5	13.7	14.4	95.5	21.6	3.6
22	24.9	SSE	14:00	8.8	15.0	14.5	17.0	17.0	16.5	14.0	12.5	7.5	11.8	14.3	82.6	19.4	5.2
23	45.0	SSW	15:54	17.7	20.0	17.0	19.0	17.5	16.0	14.0	12.5	7.5	8.6	14.2	60.5	14.2	8.9
24	36.3	NW	20:51	12.2	16.5	17.0	19.0	17.5	16.5	14.0	12.5	8.0	0.6	14.2	4.2	5.3	4.7
25	30.7	NNW	13:30	15.4	16.0	15.5	17.5	17.0	16.5	14.0	12.5	7.5	12.9	14.1	91.6	18.4	6.8
26	23.1	NNE	15:52	4.6	14.5	14.5	16.5	16.5	16.0	14.5	12.5	8.0	12.7	14.0	90.6	19.3	3.5
27	33.4	S	14:44	11.8	18.0	15.0	17.0	17.0	16.0	14.5	12.5	8.0	12.6	14.0	90.3	19.1	4.7
28	30.3	NW	15:46	11.2	18.0	17.0	18.5	17.5	16.5	14.5	12.5	8.0	11.8	13.9	85.0	18.5	4.1
29	23.7	E	16:52	8.6	15.5	15.5	17.5	17.5	16.5	14.5	12.5	8.0	12.3	13.8	89.0	18.5	3.8
30	32.1	S	9:04	11.3	19.0	16.5	18.5	17.5	16.5	14.5	12.5	8.0	1.3	13.8	9.5	4.1	3.6
31	42.6	NW	16:38	15.7	11.5	14.0	16.0	16.0	16.5	14.0	12.0	7.5	0.9	13.7	6.6	4.4	3.8
Total													280.7	454.5	61.8	518.2	194.2
Mean				11.2	15.4	15.5	17.4	16.9	16.4	14.2	12.2	7.2					
Extreme	49.8	NW	6:10														
Date	6																

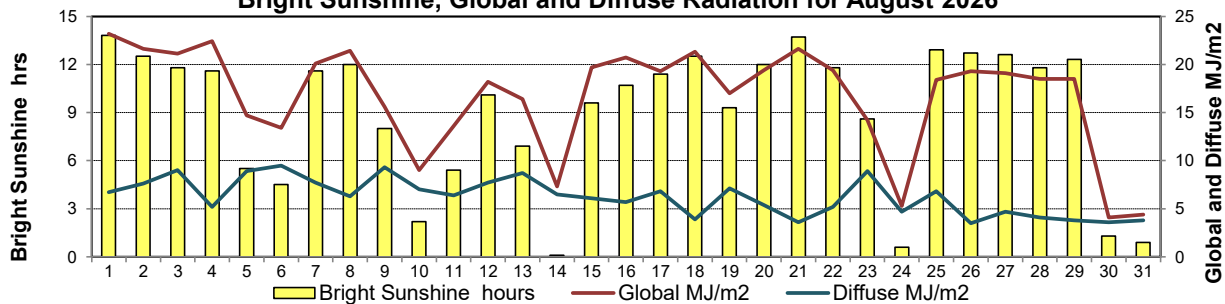
GLOSSARY OF TERMS

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 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 August 2026

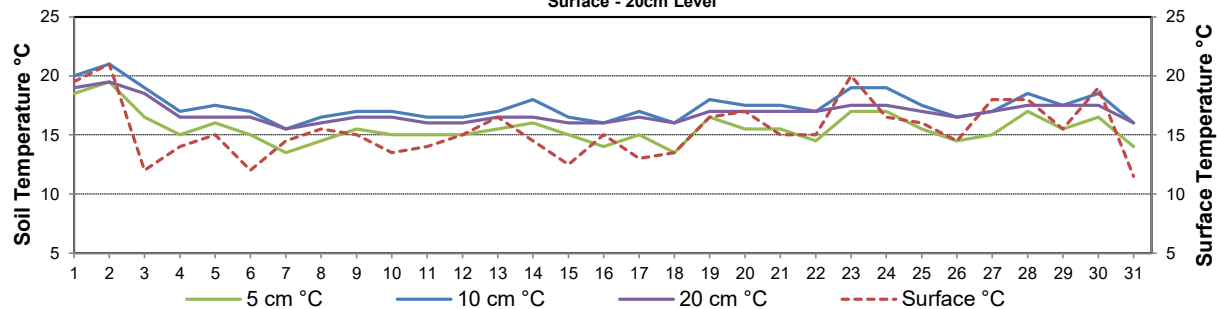


Bright Sunshine, Global and Diffuse Radiation for August 2026



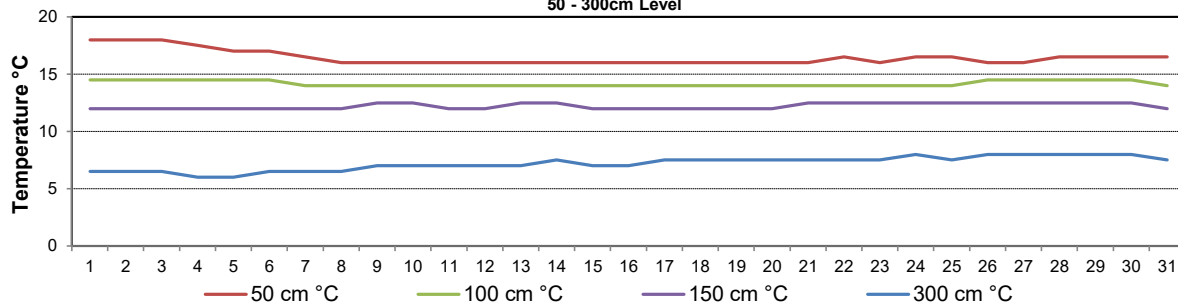
Soil Temperatures for August 2026

Surface - 20cm Level



Soil Temperatures for August 2026

50 - 300cm Level





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CONSERVATION LEARNING CENTRE

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

August 2026

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	4.0	10.6	18.9	2.0	30.5	45.5								
2	15.0	22.2	31.6	2.0	30.0	45.0								
3	13.0	18.5	29.8	1.5	29.0	44.0								
4	6.0	16.5	24.5	1.5	28.5	43.5								
5	8.0	15.9	23.7	1.5	27.5	44.0								
6	12.0	21.7	37.3	1.5	28.0	44.0								
7	7.0	13.4	20.6	1.5	27.5	42.5								
8	4.0	14.5	25.0	1.5	27.5	43.5								
9	1.0	8.2	17.6	1.5	27.0	43.0								
10	1.0	5.1	11.4	1.5	27.0	42.5								
11	2.0	10.6	17.7	1.5	27.0	42.5								
12	3.0	13.0	21.2	1.5	26.5	42.5								
13	3.0	12.4	18.1	1.5	27.0	42.5								
14	5.0	10.1	17.0	1.5	26.5	42.0								
15	7.0	12.7	18.3	4.0	34.0	41.5								
16	8.0	16.2	29.1	3.5	33.5	42.0								
17	7.0	13.1	20.0	3.5	32.5	41.5								
18	5.0	7.5	14.7	3.0	32.5	41.5								
19	7.0	14.7	21.0	3.0	32.0	41.5								
20	7.0	12.7	19.7	3.0	32.0	41.5								
21	6.0	11.5	19.7	3.0	32.0	41.5								
22	5.0	12.0	17.7	3.0	31.5	41.5								
23	11.0	19.0	29.1	2.5	31.5	41.5								
24	8.0	16.9	23.3	2.5	30.5	41.5								
25	11.0	14.9	22.4	2.5	30.5	41.5								
26	3.0	6.6	25.4	2.5	30.5	41.5								
27	7.0	15.0	25.2	2.5	30.0	41.0								
28	8.0	14.6	23.7	2.5	30.0	41.5								
29	6.0	12.0	18.1	2.0	29.5	41.5								
30	8.0	17.1	26.0	2.0	29.5	41.0								
31	12.0	19.0	34.0	4.0	39.0	45.5								
Total														
Mean				2	30	42.5								
Extreme	15.0	22.2	37.3	4	39	45.5								
Date	19.5	19.5	16	16.5	15	19								

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