



SRC CLIMATE REFERENCE STATION DAILY DATA REPORT

CONSERVATION LEARNING CENTRE

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

Preliminary

July 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	16.0	25.1	8.5	12.8	12.3	19.0	7.3	5.7	0.0	0.3	0.6		98	81	1011	1004
2	17.7	25.0	6.1	13.4	11.9	19.2	6.9	6.1	0.0	0.0	0.2		99	72	1014	1011
3	19.8	25.0	9.9	13.4	14.9	19.3	9.9	3.1	0.0	2.4	2.4		95	73	1014	1012
4	22.2	23.5	8.3	12.8	15.3	18.2	10.3	2.7	0.0	10.9	16.6	Showers	99	60	1013	1009
5	22.2	23.2	7.9	11.2	15.1	17.2	10.1	2.9	0.0	17.4	8.2	Showers	98	49	1013	1009
6	20.1	23.5	8.0	11.3	14.1	17.5	9.1	3.9	0.0	0.0	0.0		96	49	1019	1013
7	23.0	24.6	5.9	12.0	14.5	18.3	9.5	3.5	0.0	0.0	0.0		99	47	1020	1017
8	22.1	23.8	8.6	12.2	15.4	18.1	10.4	2.6	0.0	0.0	0.0		99	58	1017	1009
9	22.2	26.6	9.1	12.6	15.7	19.6	10.7	2.3	0.0	4.0	4.4		98	57	1012	1008
10	24.0	26.6	7.8	13.9	15.9	20.3	10.9	2.1	0.0	8.7	8.2	Showers	99	64	1011	1006
11	25.8	25.1	9.5	15.0	17.7	20.1	12.7	0.3	0.0	40.8	34.6	Rain	99	65	1011	1006
12	27.4	24.9	10.3	13.4	18.9	19.1	13.9	0.0	0.9	0.0	0.2		99	70	1011	1007
13	24.8	24.3	13.3	13.3	19.1	18.8	14.1	0.0	1.1	0.0	0.0		95	42	1019	1009
14	25.5	23.8	11.5	12.1	18.5	18.0	13.5	0.0	0.5	0.0	0.0		99	38	1023	1019
15	25.0	24.8	12.8	12.1	18.9	18.5	13.9	0.0	0.9	0.0	0.0		99	59	1022	1017
16	25.6	24.9	14.7	11.8	20.2	18.4	15.2	0.0	2.2	0.3	0.8		98	61	1017	1014
17	28.4	23.8	13.2	12.9	20.8	18.4	15.8	0.0	2.8	0.4	0.8		99	49	1015	1013
18	27.5	23.0	14.0	13.3	20.8	18.1	15.8	0.0	2.8	0.0	0.0		99	60	1015	1006
19	22.8	22.7	13.7	12.8	18.3	17.8	13.3	0.0	0.3	7.8	8.0	Showers	97	63	1005	1002
20	22.2	23.4	13.4	12.0	17.8	17.8	12.8	0.2	0.0	0.0	0.2		96	59	1019	1004
21	24.3	24.3	10.4	12.7	17.4	18.5	12.4	0.6	0.0	0.0	0.0		99	53	1020	1017
22	25.5	26.3	11.2	12.8	18.4	19.6	13.4	0.0	0.4	0.0	0.0		99	62	1017	1012
23	28.3	25.5	11.6	13.2	20.0	19.4	15.0	0.0	2.0	0.0	0.0		99	55	1012	1003
24	25.9	24.2	13.5	14.0	19.7	19.1	14.7	0.0	1.7	0.0	0.0		97	46	1006	1003
25	26.6	22.4	12.9	11.8	19.8	17.1	14.8	0.0	1.8	0.0	0.2		99	59	1008	1006
26	25.9	24.2	13.9	11.5	19.9	17.9	14.9	0.0	1.9	0.0	0.0		99	57	1010	1006
27	25.9	25.3	12.6	11.2	19.3	18.3	14.3	0.0	1.3	4.2	5.2	Light Rain	99	63	1013	1009
28	24.8	25.2	12.0	12.5	18.4	18.9	13.4	0.0	0.4	0.2	0.4		99	62	1013	1008
29	24.5	26.3	13.1	11.6	18.8	19.0	13.8	0.0	0.8	0.0	0.0		99	45	1012	1005
30	24.2	27.2	9.6	13.1	16.9	20.2	11.9	1.1	0.0	0.0	0.0		97	45	1018	1012
31	25.2	25.5	10.7	12.6	18.0	19.1	13.0	0.0	0.0	0.0	0.0		99	56	1019	1016
Total							387.7	37.1	21.8	97.4	91.0					
Avg	24.0	24.6	10.9	12.6	17.5	18.7	Monthly 2012 - 2021 Average			75.0	2012-2021 Average					
Extreme	28.4	36.1	5.9	4.7			423.4	23	43.3	328.8	2026 Cumulative ppt		99	38	1023	1002
Date	17	2021	7	2015						252.3	Cumulative Average		2	14	14	19

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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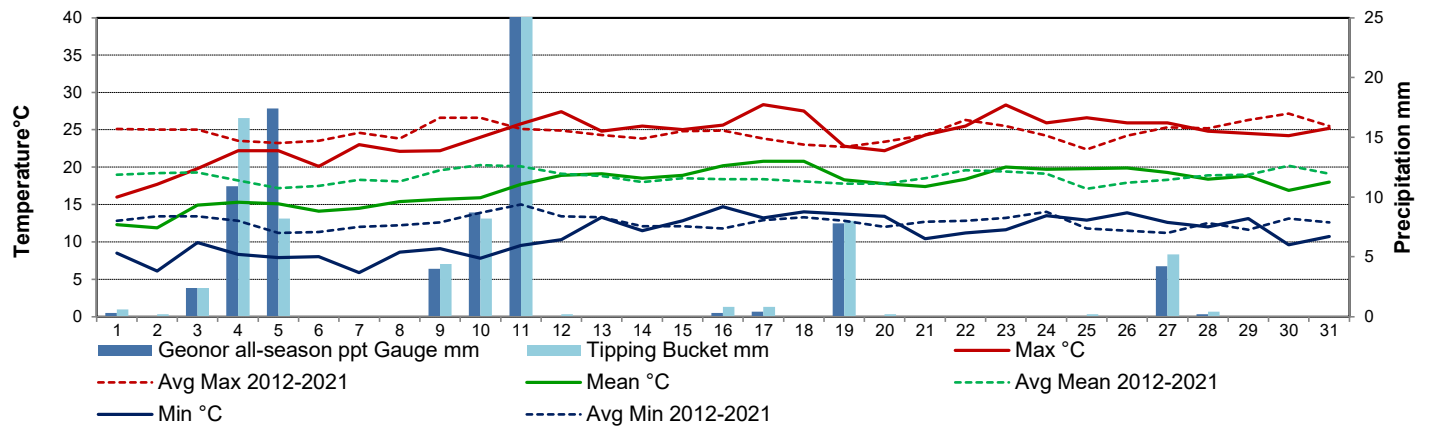
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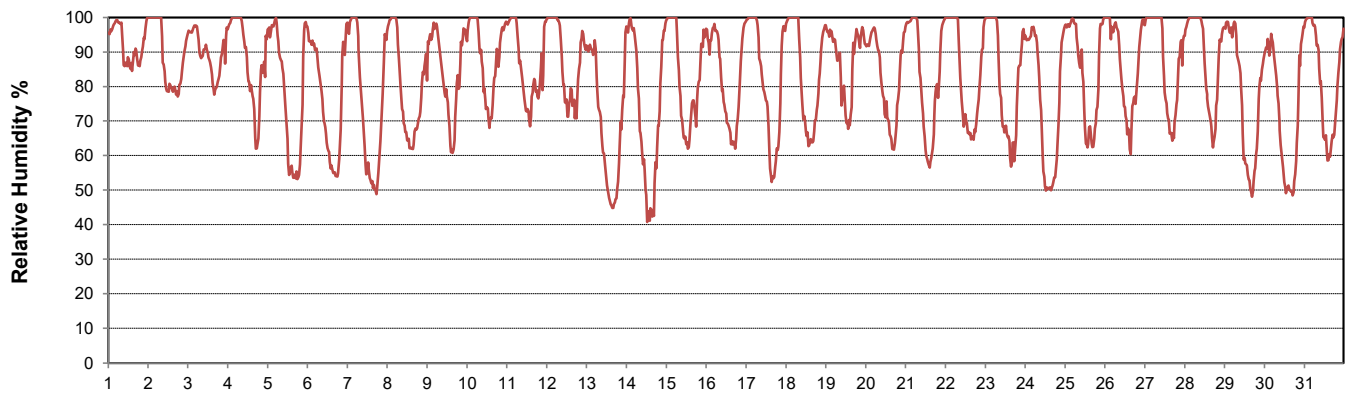


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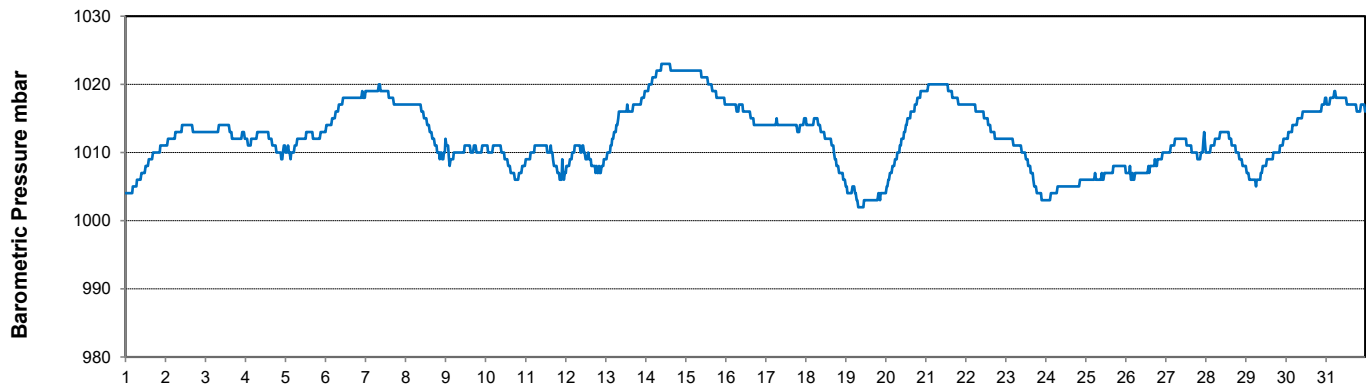
Temperature and Precipitation for July 2026



Relative Humidity for July 2026



Barometric Pressure Corrected to Sea Level for July 2026





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CONSERVATION LEARNING CENTRE

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

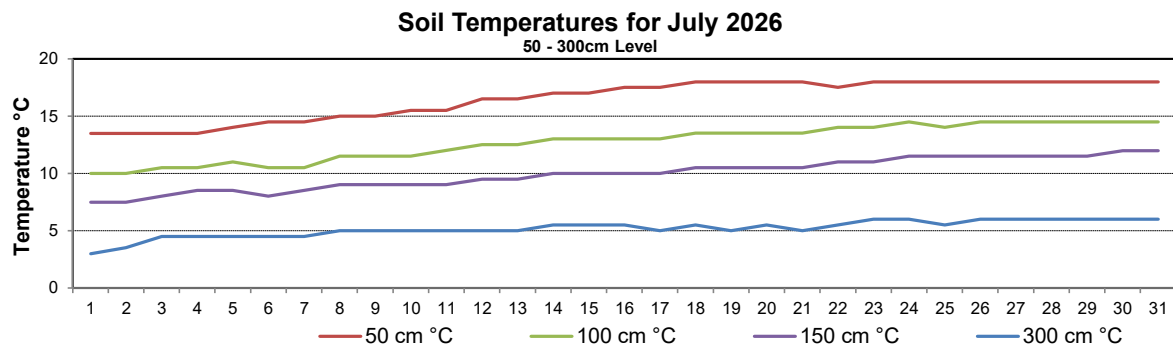
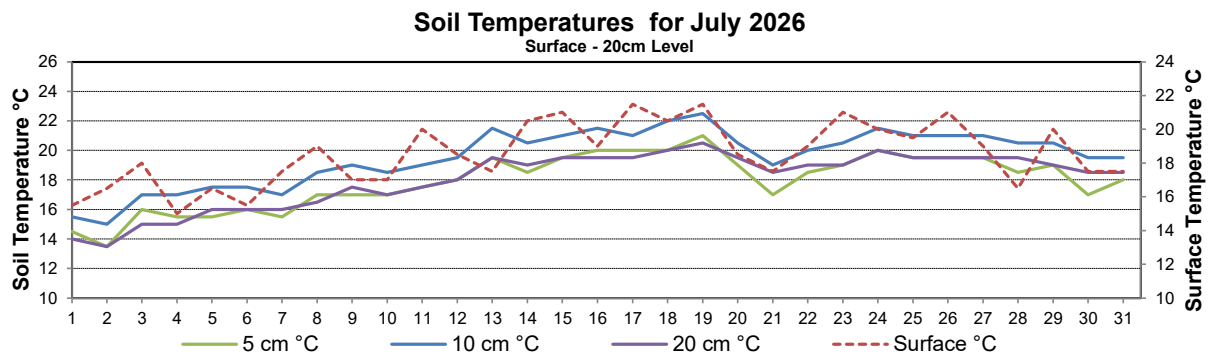
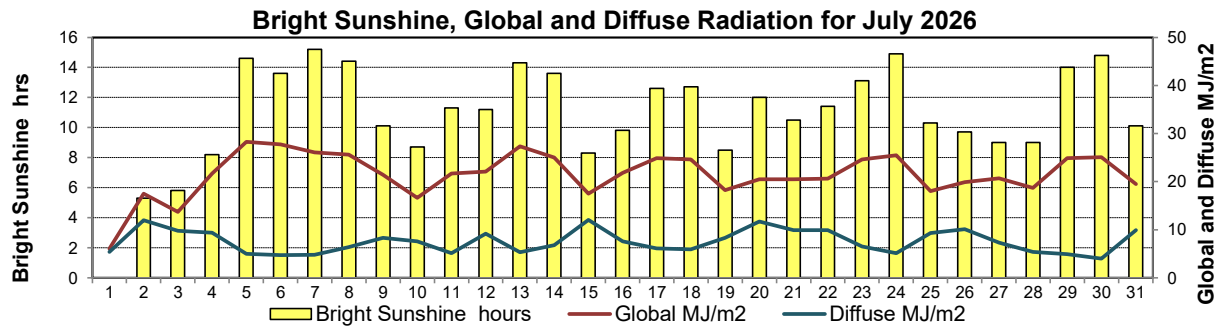
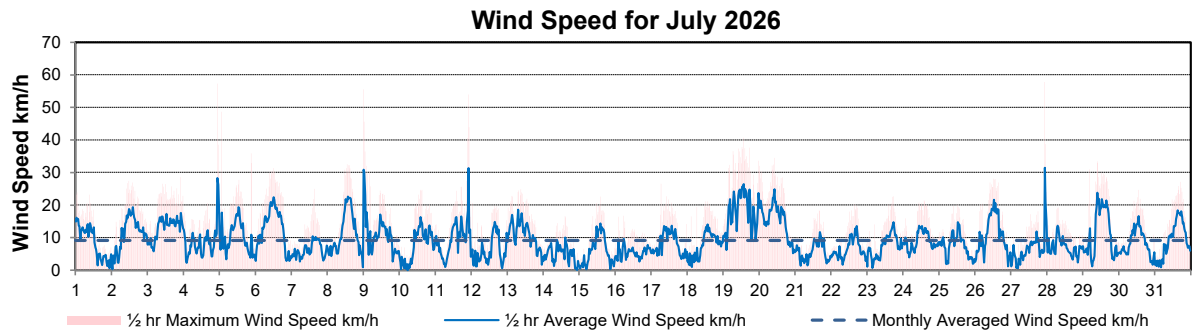
Preliminary

July 2026

Day	Wind Gust			Wind Speed (10 meters)	Soil Temperatures at 0900hrs								Radiation				
	Max	Direction	Time		Surface	5 cm	10 cm	20 cm	50 cm	100 cm	150 cm	300 cm	Bright Sunshine	Bright Sunshine Possible	% possible	Global	Diffuse
	km/h				°C	°C	°C	°C	°C	°C	°C	°C	hours	hours		MJ/m ²	MJ/m ²
1	23.9	NW	1:06	8.5	15.5	14.5	15.5	14.0	13.5	10.0	7.5	3.0	0.0	16.8	0.0	6.1	5.4
2	27.3	ESE	11:43	11.4	16.5	13.5	15.0	13.5	13.5	10.0	7.5	3.5	5.3	16.8	31.5	17.5	12.0
3	28.6	N	22:19	13.3	18.0	16.0	17.0	15.0	13.5	10.5	8.0	4.5	5.8	16.8	34.5	13.7	9.8
4	57.2	NW	22:55	9.1	15.0	15.5	17.0	15.0	13.5	10.5	8.5	4.5	8.2	16.8	48.9	21.7	9.4
5	48.6	S	1:49	10.0	16.5	15.5	17.5	16.0	14.0	11.0	8.5	4.5	14.6	16.7	87.2	28.3	5.0
6	31.3	NW	12:20	12.7	15.5	16.0	17.5	16.0	14.5	10.5	8.0	4.5	13.6	16.7	81.3	27.7	4.7
7	25.0	SW	15:36	6.3	17.5	15.5	17.0	16.0	14.5	10.5	8.5	4.5	15.2	16.7	91.1	26.1	4.8
8	32.5	S	13:08	11.4	19.0	17.0	18.5	16.5	15.0	11.5	9.0	5.0	14.4	16.7	86.4	25.6	6.4
9	55.5	NNW	0:08	10.9	17.0	17.0	19.0	17.5	15.0	11.5	9.0	5.0	10.1	16.6	60.7	21.4	8.3
10	24.6	ESE	14:23	7.6	17.0	17.0	18.5	17.0	15.5	11.5	9.0	5.0	8.7	16.6	52.4	16.6	7.6
11	53.9	NW	22:23	9.6	20.0	17.5	19.0	17.5	15.5	12.0	9.0	5.0	11.3	16.6	68.2	21.7	5.1
12	20.6	NE	0:35	6.0	18.5	18.0	19.5	18.0	16.5	12.5	9.5	5.0	11.2	16.5	67.8	22.1	9.2
13	24.8	NW	9:27	10.9	17.5	19.5	21.5	19.5	16.5	12.5	9.5	5.0	14.3	16.5	86.7	27.3	5.3
14	16.5	NNW	14:49	4.9	20.5	18.5	20.5	19.0	17.0	13.0	10.0	5.5	13.6	16.5	82.7	25.0	6.8
15	22.5	S	14:10	6.0	21.0	19.5	21.0	19.5	17.0	13.0	10.0	5.5	8.3	16.4	50.6	17.5	12.1
16	16.6	ESE	5:40	5.4	19.0	20.0	21.5	19.5	17.5	13.0	10.0	5.5	9.8	16.4	59.9	21.8	7.6
17	26.5	NW	6:46	8.0	21.5	20.0	21.0	19.5	17.5	13.0	10.0	5.0	12.6	16.3	77.2	24.9	6.1
18	21.1	SE	12:39	7.6	20.5	20.0	22.0	20.0	18.0	13.5	10.5	5.5	12.7	16.3	78.0	24.6	5.9
19	40.7	WSW	13:47	18.2	21.5	21.0	22.5	20.5	18.0	13.5	10.5	5.0	8.5	16.2	52.3	18.2	8.3
20	34.4	N	10:15	15.4	18.5	19.0	20.5	19.5	18.0	13.5	10.5	5.5	12.0	16.2	74.1	20.5	11.7
21	18.3	SW	16:01	5.7	17.5	17.0	19.0	18.5	18.0	13.5	10.5	5.0	10.5	16.2	65.0	20.5	9.9
22	20.2	SW	15:57	6.4	19.0	18.5	20.0	19.0	17.5	14.0	11.0	5.5	11.4	16.1	70.8	20.6	9.9
23	22.7	SSW	17:58	7.6	21.0	19.0	20.5	19.0	18.0	14.0	11.0	6.0	13.1	16.1	81.6	24.6	6.5
24	21.3	WNN	14:14	9.0	20.0	20.0	21.5	20.0	18.0	14.5	11.5	6.0	14.9	16.0	93.1	25.5	5.1
25	20.1	WNN	12:42	7.3	19.5	19.5	21.0	19.5	18.0	14.0	11.5	5.5	10.3	16.0	64.5	18.0	9.3
26	28.0	ENE	12:56	10.8	21.0	19.5	21.0	19.5	18.0	14.5	11.5	6.0	9.7	15.9	61.0	19.9	10.1
27	57.7	NW	22:38	6.5	19.0	19.5	21.0	19.5	18.0	14.5	11.5	6.0	9.0	15.9	56.8	20.7	7.3
28	19.2	NNW	7:33	7.0	16.5	18.5	20.5	19.5	18.0	14.5	11.5	6.0	9.0	15.8	57.0	18.7	5.4
29	33.3	NW	9:38	11.1	20.0	19.0	20.5	19.0	18.0	14.5	11.5	6.0	14.0	15.8	88.9	24.9	4.9
30	24.6	WNN	13:19	8.3	17.5	17.0	19.5	18.5	18.0	14.5	12.0	6.0	14.8	15.7	94.3	25.1	4.0
31	27.1	E	17:13	9.6	17.5	18.0	19.5	18.5	18.0	14.5	12.0	6.0	10.1	15.6	64.6	19.5	9.9
Total													337.0	506.0	66.6	666.3	233.8
Mean				9.1	18.5	17.9	19.5	18.0	16.5	12.7	10.0	5.2					
Extreme	57.7	NW	22:38														
Date	27																

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	Diffuse	is radiation reaching the earth's surface after having been scattered from the direct solar beam
Heating	(18°C-T _m); if T _m ≥ 18°C then HDD = 0	Global	is the sum of the direct solar and diffuse radiation
Cooling	(T _m -18°C); if T _m ≤ 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		





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

Preliminary

July 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	5.0	11.4	17.0	4.0	39.0	47.5							
2	7.0	13.6	20.8	3.5	38.0	46.5							
3	8.0	12.2	19.9	3.5	37.5	46.0							
4	5.0	19.1	40.0	3.5	37.0	46.0							
5	6.0	13.8	32.5	4.0	39.5	48.0							
6	8.0	15.8	22.7	4.0	38.5	47.0							
7	2.0	7.8	17.7	3.5	37.0	46.5							
8	6.0	15.1	25.4	3.5	37.0	46.5							
9	6.0	21.0	40.6	3.5	37.0	46.5							
10	4.0	9.9	18.5	3.5	37.0	46.5							
11	5.0	21.2	36.9	4.0	37.0	46.5							
12	3.0	9.9	14.5	4.0	39.5	48.5							
13	5.0	12.7	19.5	4.0	38.0	47.5							
14	0.0	3.6	12.4	3.5	37.5	47.0							
15	2.0	7.7	18.9	3.5	37.5	47.5							
16	1.0	6.1	11.6	3.0	37.0	46.5							
17	2.0	9.2	15.6	3.0	37.0	46.5							
18	2.0	7.1	15.2	3.0	37.0	46.5							
19	11.0	17.8	29.8	2.5	36.5	47.0							
20	9.0	17.5	23.9	2.5	36.0	47.5							
21	1.0	6.1	13.9	2.5	36.0	47.0							
22	1.0	8.4	15.8	2.5	36.0	47.0							
23	2.0	8.4	15.1	2.5	35.5	45.5							
24	4.0	10.0	16.2	2.0	35.0	46.0							
25	2.0	9.8	15.8	2.0	35.0	46.0							
26	5.0	15.8	22.0	2.0	34.0	46.5							
27	2.0	20.1	39.1	2.0	34.0	45.5							
28	3.0	9.4	14.1	2.0	33.0	46.0							
29	6.0	15.6	23.7	2.0	32.5	45.5							
30	3.0	10.8	17.0	2.0	32.0	45.5							
31	4.0	21.0	21.0	2.0	31.5	45.0							
Total													
Mean				3	36	46.6							
Extreme	11.0	21.2	40.6	4	39.5	48.5							
Date	25	24.5	23.5	16	23	25.5							

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