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P13

Harvard College Observatory
Meteorological Records
1876
(Original)

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KF 113 65.374

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To reduce measures from gauge C, allow 0.011 inches for every eighth of an ounce, and added as follows: under 2 ounces 0.000; under $5\frac{7}{8}$ ounces 0.001; under $9\frac{7}{8}$ ounces 0.002; under $13\frac{3}{4}$ ounces 0.003; under $17\frac{5}{8}$ ounces 0.004; under $21\frac{1}{2}$ ounces 0.005.

Ar. co. log. for reduction from gauge A 7.93546
" C 8.94575

Glass tube $1\frac{7}{8}$ inches across inside (snow measures) 9.79770
" " $1\frac{8}{10}$ " " " (— " —) 9.83315
" " $1\frac{13}{16}$ " " " (— " —) 9.82714

Names of clouds on Poey's system	Abbreviations used here
Cumulus	M
Patio-cumulus	Pm
Fracto-cumulus	Fm
Cirrus	R
Patio-cirrus	Pr
Cirro-stratus	Rs
Cirro-cumulus	Rm

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9375

9.9084850
0.4971499
9.7621212
0.1668461

9.8331539
0.0521825
0.7781513
8.9584400
9.7593677
0.0521825
9.7071852
8.9812164

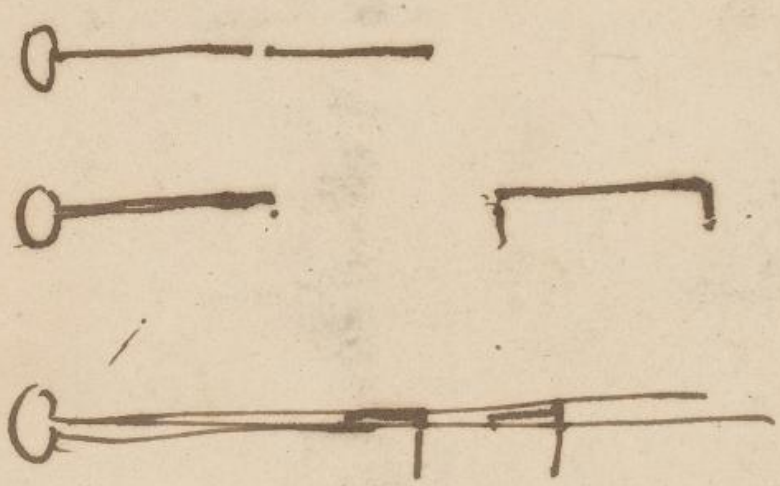
$\log(0.81 \times \pi \times 0.577047) = 0.1668461$

1.68
168
44
1.897

124
1284
1.412
44

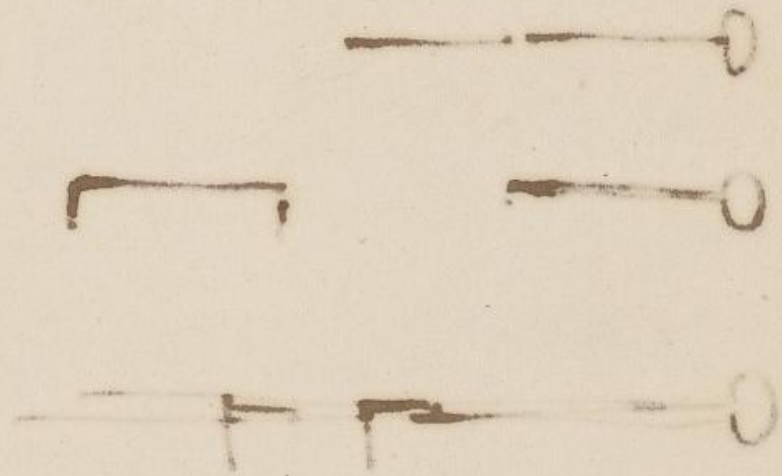
121
968
.077 2
1.047

1.49485
8.94575
0.44060



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500	30
35	81
10	33
125	100
165	400
2	125
837	

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JANUARY, 1 1876.

	10 A. M.	4 P. M.	
Barometer	30.050	30.078	
Thermometer attached.	45.8	55.5	
" external No. 2.	56.0	63.8	
" " No. 3.	54.8	63.0	
" " No. 4.	55.2	63.5	
" Maximum	54.9		
" " (Set)	54.5		w Rr
" Minimum	36.8		
" " (Set)	55.1		
" Solar max.			
" " (Set)			
Dry bulb	57.0	64.8	810
" Wet "	52.8	58.1	70
Rain gauge C	0 1/4 ounces 0.011 inches		
Wind, force & direction.	1 c W	1 c W	
Clouds, amount & kind.	1 Rs	2 Pm Fm Rs	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	50.4	65.0	45.6
" No. 3	49.7	64.0	44.7
" No. 4	50.3	64.7	45.2

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JANUARY, 2 1876.

	10 A. M.	4 P. M.	
Barometer	29.898	29.757	
Thermometer attached.	46.3	50.1	
" external No. 2.	48.0	61.0	
" " No. 3.	47.0	60.0	
" " No. 4.	47.6	60.8	
" Maximum .	64.5		
" " (Set) .	46.9		w Ry
" Minimum .	38.2		
" " (Set) .	47.0		
" Solar max. .			
" " (Set) .			
' Dry bulb . .	49.1	62.0	94
" Wet "	47.0	55.1	67
Rain gauge C . . .	0 1/8 ounces 0.011 inch		
Wind, force & direction.	1 c SW	7 c SW	
Clouds, amount & kind.	10 Pm	9 Pm N 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	40.2	59.0	56.4
" No. 3 .	39.7	58.0	54.3
" No. 4 .	40.3	58.9	55.5

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JANUARY, 3 1876.

	10 A. M.	4 P. M.	
Barometer	29.966	29.944	
Thermometer attached.	46.0	51.0	
" external No. 2.	41.5	44.7	
" " No. 3.	40.3	43.8	
" " No. 4.	40.7	44.0	
" Maximum	60.6		
" " (Set)	41.4		
" Minimum	35.6		
" " (Set)	40.4		
" Solar max.			
" " (Set)			
" Dry bulb	42.3	45.1	65
" Wet "	37.0	36.8	44
Rain gauge C	0		
Wind, force & direction.	2 SW	4 W	
Clouds, amount & kind.	6 Cs	2 Pm 7 Cm Cs	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	38.1	46.0	34.3
" No. 3	37.3	45.2	33.9
" No. 4	37.8	45.8	34.1

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JANUARY, 21 1876.

	10 A. M.	4 P. M.	
Barometer	30.224	30.350	
Thermometer attached.	34.0	27.8	
" external No. 2.	19.8	22.9	
" " No. 3.	19.3	22.3	
" " No. 4.	19.4	22.4	
" Maximum	47.0		
" " (Set)	20.8		
" Minimum	18.8		
" " (Set)	18.8		
" Solar max.			
" " (Set)			
" Dry bulb	20.4	23.5	40
" Wet "	15.0	17.7	40
Rain gauge C	0		
Wind, force & direction.	15 NW	9 NW	
Clouds, amount & kind.	0	0	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	24.2	23.7	16.3
" No. 3	23.9	22.9	16.4
" No. 4	24.2	23.0	16.6

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JANUARY, 5 1876.

	10 A. M.	4 P. M.	
Barometer	30,530	30,320	
Thermometer attached.	25.4	35,0	
" external No. 2.	16,0	27.6	
" " No. 3.	15,9	26.9	
" " No. 4.	16,0	26.9	
" Maximum	23,8		
" " (Set)	18.3		d > y <
" Minimum	9.2		
" " (Set)	15.1		
" Solar max.			
" " (Set)			
" Dry bulb	17.0	27.9	72
" Wet "	13.9	23.1	60
Rain gauge C	0		
Wind, force & direction.	1e W	5e S	
Clouds, amount & kind.	2 R Rs	10 R Rs	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	10,4	28,7	31.5
" No. 3	10.2	28.4	30.8
" No. 4	10	28.4	31.4

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JANUARY, 6 1876.

	10 A. M.	4 P. M.	
Barometer . . .	29.786	29.804	
Thermometer attached.	37.7	40.0	
" external No. 2.	42.2	40.7	
" " No. 3.	41.5	40.1	
" " No. 4.	42.0	40.3	
" Maximum .	41.9		
" " (Set) .	41.6		
" Minimum .	15.0		
" " (Set) .	41.2		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	43.0	41.2	84
" Wet " . . .	39.9	38.2	85
Rain gauge C . . .	0 ½ ounces 0.044 inches		
Wind, force & direction.	1e W	8e NW	
Clouds, amount & kind.	Pm Pt 7 Cu 10 Ps	10 Pm Pt SW Cu	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	39.2	42.3	24.2
" No. 3 .	38.5	41.5	23.9
" No. 4 .	39.3	42.5	24.1

y Re
y A little rain at times.

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JANUARY, 7 1876.

	10 A. M.	4 P. M.	
Barometer	30.199	30.156	
Thermometer attached.	26.7	33.8	
" external No. 2.	19.0	26.0	
" " No. 3.	18.6	25.4	
" " No. 4.	18.6	25.6	
" Maximum .	42.6		
" " (Set) .	20.2		
" Minimum .	14.7		
" " (Set) .	18.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	19.8	26.4	70
" Wet " . . .	16.4	21.7	60
Rain gauge C . . .	0 & ounces, 0.01 inches		
Wind, force & direction.	8 NW	0 calm	
Clouds, amount & kind.	9 Pt thin	2 Pt Rs Pm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	15.8	25.9	23.1
" No. 3 .	15.1	25.2	22.7
" No. 4 .	15.4	25.7	22.3

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JANUARY, 8 1876.

	10 A. M.	4 P. M.	
Barometer . . .	30.125	29.933	
Thermometer attached.	33.1	37.7	
" external No. 2.	33.9	39.0	
" " No. 3.	32.9	38.4	
" " No. 4.	33.2	38.7	
" Maximum .	33.0		
" " (Set) .	33.2		
" Minimum .	18.0		
" " (Set) .	33.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	34.8	39.8	86
" Wet " . . .	32.0	34.8	68
Rain gauge C . . .	0		
Wind, force & direction.	2 SW	0 E	
Clouds, amount & kind.	8 R R+Thin	10 Pm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	30.2	42.0	38.2
" No. 3 .	29.8	41.2	37.4
" No. 4 .	29.5	42.0	37.4

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JANUARY, 9 1876.

	10 A. M.	4 P. M.	
Barometer	29.613	29.608	
Thermometer attached.	39.0	41.5	
" external No. 2.	43.5	51.0	
" " No. 3.	42.5	50.02	
" " No. 4.	43.0	50.8	
" Maximum .	42.4		
" " (Set) .	42.2		
" Minimum .	33.0		
" " (Set) .	42.2		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	44.4	51.9	74
" Wet " . . .	40.0	46.0	67
Rain gauge C	4 ounces 0.353 inches		
Wind, force & direction.	5 SW	2 SW	
Clouds, amount & kind.	10 Pm	10 Pm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	39.0	51.0	38.1
" No. 3 .	38.2	50.0	37.2
" No. 4 .	38.4	50.7	37.9

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JANUARY, 10 1876.

	10 A. M.	4 P. M.	
Barometer . . .	29.391	29.496	
Thermometer attached.	42.0	46.3	
" external No. 2.	44.0	34.1	
" " No. 3.	43.1	33.6	
" " No. 4.	43.6	33.7	
" Maximum .	51.0		
" " (Set) .	42.6		
" Minimum .	37.2		
" " (Set) .	43.0		
" Solar max. .			
" " (Set) .			
' Dry bulb . .	44.9	34.9	61
" Wet " . . .	38.8	27.5	43
Rain gauge C . . .	3¾ ounces 0.331 inches		
Wind, force & direction.	11 e W	20 e W	
Clouds, amount & kind.	10 Pm Pr Fm	1 Ro Fm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	46.2	39.7	23.1
" No. 3 .	45.1	38.9	22.3
" No. 4 .	46.3	39.0	22.9

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JANUARY, 11 1876.

	10 A. M.	4 P. M.	
Barometer	29.891	29.871	
Thermometer attached.	20.0	30.0	
" external No. 2.	14.0	21.0	
" " No. 3.	13.6	20.6	
" " No. 4.	13.4	20.6	
" Maximum .	42.8		
" " (Set) .	16.4		
" Minimum .	12.2		
" " (Set) .	13.0		
" Solar max. .			
" " (Set) .			
Dry bulb . .	14.8	21.9	46
" Wet " . . .	10.4	16.1	37
Rain gauge C . . .	0		
Wind, force & direction.	15° NW	15° W	
Clouds, amount & kind.	0	0 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	14.2	20.6	17.1
" No. 3 .	14-	20.0	17.2
" No. 4 .	13.6	19.9	16.9

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JANUARY, 12 1876.

	10 A. M.	4 P. M.	
Barometer	29.839	29.776	
Thermometer attached.	21.0	28.6	
" external No. 2.	20.0	26.0	
" " No. 3.	19.6	25.2	
" " No. 4.	19.4	25.5	
" Maximum	21.8		
" " (Set)	20.9		
" Minimum	12.9		
" " (Set)	19.0		
" Solar max.			
" " (Set)			
" Dry bulb	20.9	26.8	63
" Wet "	17.0	21.0	47
Rain gauge C	0		
Wind, force & direction.	3 S W	3 W	
Clouds, amount & kind.	5 Pn Rs 7m	8 Pn N 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	15-	25.7	20.1
" No. 3	14.9	25.1	19.9
" No. 4	14.6	25.3	19.6

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JANUARY, 13 1876.

	10 A. M.	4 P. M.	
Barometer	30.046 out of sight estimate 15.0	30.113 25.8	
Thermometer attached.			
" external No. 2.	10.9	14.9	6 P.M.
" " No. 3.	10.3	14.6	Zodiacal
" " No. 4.	10.2	14.3	light to
" Maximum	25.8		Taurus as on
" " (Set)	12.2		Dec. 22 8.27
" Minimum	8.2		
" " (Set)	10.0		
" Solar max.			
" " (Set)			
Dry bulb	11.9	15.6	71
" Wet "	9.0	11.6	55
Rain gauge C	0		
Wind, force & direction.	13 NW	6 NW	
Clouds, amount & kind.	0 7m	0	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	9.6	14.0	11.4
" No. 3	9.5	13.6	11.2
" No. 4	9	13.4	10.7

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JANUARY, 14 1876.

	10 A. M.	4 P. M.	
Barometer	30.212	30.121	
Thermometer attached.	out of sight estimate 15.0	27.1	
" external No. 2.	12.9	24.0	
" " No. 3.	12.4	23.6	
" " No. 4.	12.1	23.7	
" Maximum	14.7		
" " (Set)	13.8		
" Minimum	4.1		
" " (Set)	11.9		
" Solar max.			
" " (Set)			
" Dry bulb	13.9	24.9	73
" Wet "	11.0	20.0	55
Rain gauge C	0		
Wind, force & direction.	2 W	2 SW	
Clouds, amount & kind.	0	10 Pm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	5.6	23.5	21.8
" No. 3	5.7	22.8	21.3
" No. 4	4.9	22.8	21.1

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JANUARY, 15 1876.

	10 A. M.	4 P. M.	
Barometer . . .	30.190	30.144	
Thermometer attached.	27.0	32.8	
" external No. 2.	27.8	33 8	
" " No. 3.	26.8	33.0	
" " No. 4.	26.8	33.1	
" Maximum .	27.2		A little snow following night
" " (Set) .	27.4		
" Minimum .	11.9		
" " (Set) .	26.9		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	28,5	34,3	72
" Wet " . . .	24,6	28,2	54
Rain gauge C . . .	0		
Wind, force & direction.	2e SW	3e W	
Clouds, amount & kind.	1 Pn 7m	10 PnRs	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	20.4	34.5	28.7
" No. 3 .	20.0	33.8	28.0
" No. 4 .	19.6	34.0	27.7

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JANUARY, 16 1876.

	10 A. M.	4 P. M.	
Barometer . . .	29.908	30.032	
Thermometer attached.	34.0	38.5	
" external No. 2.	39.4	42.7	
" " No. 3.	38.2	41.8	
" " No. 4.	38.7	42.1	
" Maximum .	38.6		
" " (Set) .	38.4		
" Minimum .	26.8		
" " (Set) .	38.2		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	40.1	43.2	73
" Wet " . . .	35.9	34.5	38
Rain gauge C . . .	0 ½ ounces 0.044 inches		
Wind, force & direction.	6 W	4 NW	
Clouds, amount & kind.	1 Cu 7 m	0 Pu Ro	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	36.0	43.1	37.1
" No. 3 .	35.0	42.4	36.3
" No. 4 .	35.4	42.8	36.5

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JANUARY, 17 1876.

	10 A. M.	4 P. M.	
Barometer	30.094	29.965	
Thermometer attached.	35.8	36.3	
" external No. 2.	35.4	37.7	
" " No. 3.	34.8	36.9	
" " No. 4.	34.9	37.1	
" Maximum	43.0		
" " (Set)	35.1		
" Minimum	31.2		
" " (Set)	34.4		
" Solar max.			
" " (Set)			
" Dry bulb	36.1	38.2	91
" Wet "	33.7	36.3	96
Rain gauge C	0 1/4 ounces, 0.022 inches		
Wind, force & direction.	1 SE	0 calm	
Clouds, amount & kind.	10 R. snowing	10 Pn fog	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	33.6	38.1	36.3
" No. 3	32.8	37.3	35.2
" No. 4	32.7	37.7	35.5

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JANUARY, 18 1876.

	10 A. M.	4 P. M.	
Barometer	30.029	29.807	
Thermometer attached.	36.8	39.0	
" external No. 2.	38,8	41.9	
" " No. 3.	37.9	41.6	
" " No. 4.	38.4	41.4	
" Maximum	38.0		
" " (Set)	38.0		
" Minimum	33.1		
" " (Set)	37.4		
" Solar max.			
" " (Set)			
' Dry bulb	39.6	42.3	93
" Wet "	37.4	40.9	99
Rain gauge C	1 under 0.088 inches		
Wind, force & direction.	0° SE	0 calm	
Clouds, amount & kind.	10 Pm fog	10 Pm fog	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	36.0	41.9	50.0
" No. 3	35.3	41.0	48.7
" No. 4	35.5	41.4	49.5

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JANUARY, 19 1876.

	10 A. M.	4 P. M.	
Barometer . . .	29.596	29.508	
Thermometer attached.	43.9	46.1	
" external No. 2.	53.2	51.8	
" " No. 3.	52.6	51.0	
" " No. 4.	53.1	51.5	
" Maximum .	53.0		
" " (Set) .	51.6		
" Minimum .	37.2		
" " (Set) .	52.2.		
" Solar max. .			
" " (Set) .			
Dry bulb . .	54.2	52.4	88
" Wet " . . .	51.2	49.4	88
Rain gauge C . . .	0 3/8 clouds 0.033 inches		
Wind, force & direction.	2 S	4 SW	
Clouds, amount & kind.	10 Pm Pr	10 Pm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	53.0	56.5	47.0
" No. 3 .	52.2	55.4	46.0
" No. 4 .	52.5	56.3	46.5

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JANUARY, 20 1876.

	10 A. M.	4 P. M.	
Barometer	29.671	29.930	
Thermometer attached.	39.0	42.0	
" external No. 2.	37.5	36.0	
" " No. 3.	36.8	35.2	
" " No. 4.	36.9	35.4	
" Maximum	56.0		
" " (Set)	37.7		
" Minimum	34.6		
" " (Set)	36.3		
" Solar max.			
" " (Set)			
" Dry bulb	38.1	36.4	42
" Wet "	30.0	29.0	45
Rain gauge C	1 1/2 ounces 0.110 inches		
Wind, force & direction.	20 NW	18 NW	
Clouds, amount & kind.	2 N 7m	2 Pm 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	36.2	36.1	31.1
" No. 3	35.6	35.2	30.1
" No. 4	35.7	35.6	30.1

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JANUARY, 21 1876.

	10 A. M.	4 P. M.	
Barometer	30.188	30.248	
Thermometer attached.	32.0	36.2	
" external No. 2.	30.0	28.7	
" " No. 3.	29.2	28.0	7 P.M. Zodiacal light as far as the Pleiades, but not farther.
" " No. 4.	29.5	28.1	
" Maximum	38.1		
" " (Set)	30.9		
" Minimum	25.0		
" " (Set)	29.0		
" Solar max.			
" " (Set)			
" Dry bulb	30.7	29.2	43
" Wet "	24.0	22.4	39
Rain gauge C	0		
Wind, force & direction.	15° NW	13° NW	
Clouds, amount & kind.	3 M 7m	0 M 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	28.2	29.9	22.5
" No. 3	27.8	29.0	22.0
" No. 4	27.4	29.2	21.5

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JANUARY, 22 1876.

	10 A. M.	4 P. M.	
Barometer . . .	30.546	30.464	
Thermometer attached.	28.6	31.3	
" external No. 2.	19.6	25.7	
" " No. 3.	18.9	25.0	
" " No. 4.	19.1	25.2	
" Maximum .	31.0		
" " (Set) .	20.8		
" Minimum .	14.4		
" " (Set) .	18.3		
" Solar max. .			
" " (Set) .			
' Dry bulb . .	20.3	26.3	42
" Wet " . . .	15.0	19.8	37
Rain gauge C . . .	0		
Wind, force & direction.	6 NW	2 W	
Clouds, amount & kind.	10 Cu	10 Cu	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	15.7	24.1	25.0
" No. 3 .	15.3	23.8	24.3
" No. 4 .	15.4	23.9	24.2

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JANUARY, 23 1876.

	10 A. M.	4 P. M.	
Barometer . . .	29.922	29.740	
Thermometer attached.	31.0	32.8	
" external No. 2.	26.9	30.1	
" " No. 3.	26,0	29.7	
" " No. 4.	26.5	29.9	
" Maximum .	26,6		
" " (Set) .	27.0		
" Minimum .	18,3		
" " (Set) .	25,8		
" Solar max. .			
" " (Set) .			
Dry bulb . .	27.7	31,0	100
" Wet " . . .	26.2	29.0	95
Rain gauge C . . .	2 storms 0,177 inches		
Wind, force & direction.	3 NW	0 NW	
Clouds, amount & kind.	10 Cu rain	10 Cu	

	7 A. M.	3 P. M.	9 P. M.
Thermometer No. 2 .	21,5	29,9	35,1
" No. 3 .	21,0	29.0	34,4
" No. 4 .	21,1	29,5	34,2

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JANUARY, 24 1876.

	10 A. M.	4 P. M.	
Barometer	30.050	30.052	
Thermometer attached.	35.4	35.1	
" external No. 2.	24.1	26.0	
" " No. 3.	23.6	25.4	7 P.M.
" " No. 4.	23.6	25.5	Zodiacal light bright in the west but not apparently reaching beyond Aries.
" Maximum	35.8		
" " (Set)	25.0		
" Minimum	21.8		
" " (Set)	23.0		
" Solar max.			
" " (Set)			
" Dry bulb	25.0	26.8	47
" Wet "	20.7	21.4	52
Rain gauge C	1 3/8 ounces 0.121 inches		
Wind, force & direction.	10 NW	5 NW	
Clouds, amount & kind.	0	0	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	24.2	27.0	17.6
" No. 3	23.7	26.1	17.1
" No. 4	23.5	26.3	17.0

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JANUARY, 25 1876.

	10¼ A. M.	4 P. M.	
Barometer	30.167	29.961	
Thermometer attached.	19.6	30.0	
" external No. 2.	14.8	28.9	
" " No. 3.	14.5	28.4	
" " No. 4.	14.4	28.6	
" Maximum	26.7		
" " (Set)	16.2		
" Minimum	7.0		
" " (Set)	14.0		
" Solar max.			
" " (Set)			
" Dry bulb	15.7	29.4	87
" Wet "	13.5	24.5	61
Rain gauge C	0		
Wind, force & direction.	0 NW	4 S	
Clouds, amount & kind.	7 Rs	10 Rs	

	8 A. M.	2 P. M.	10 P. M.
Thermometer No. 2	9.8	28.0	(29.1)
" No. 3	9.8	27.4	(28.3)
" No. 4	9.0	27.6	28.2

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JANUARY, 26 1876.

	10 A. M.	4 P. M.	
Barometer	30.004	30.018	
Thermometer attached.	23.6	29.2	
" external No. 2.	17.6	21.9	
" " No. 3.	17.0		
" " No. 4.	17.1	21.4	7 P.M.
" Maximum	28.7		Zodiacal light to the Pleiades, not reaching the Milky Way.
" " (Set)	19.4		
" Minimum	13.9		
" " (Set)	16.5		
" Solar max.			
" " (Set)			
" Dry bulb	18.2	22.6	65
" Wet "	14.6	17.0	42
Rain gauge C	0 ounces 0.022 inches		
Wind, force & direction.	16 NW	8 NW	
Clouds, amount & kind.	0	0 PNRs	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	19.5	22.4	16.9
" No. 3	19.0	21.9	
" No. 4	18.7	22.0	16.1

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JANUARY, 27 1876.

	10 A. M.	4 P. M.	
Barometer	29.900	29.694	
Thermometer attached.	27.0	31.0	
" external No. 2.	30.6	40.1	
" " No. 3.			
" " No. 4.	30.0	39.6	
" Maximum	30.1		
" " (Set)	30.2		
" Minimum	11.2		
" " (Set)	29.4		
" Solar max.			
" " (Set)			
Dry bulb	31.3	41.0	100
" Wet "	29.8	38.1	87
Rain gauge C	1 trace 0.088 inches		
Wind, force & direction.	5 SE	7 SW	
Clouds, amount & kind.	10 R snowing	5 Pm R Rn R Fm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	25.4	38.0	37.0
" No. 3			
" No. 4	24.4	37.0	36.5

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JANUARY, 28 1876.

	10 A. M.	4 P. M.	
Barometer . . .	30.149	30.046	
Thermometer attached.	33.0	33.1	
" external No. 2.	37.0	36.5	
" " No. 3.			
" " No. 4.	37.0	36.0	
" Maximum .	39.4		
" " (Set) .	36.8		
" Minimum .	29.6		
" " (Set) .	36.2		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	38.0	37.1	89
" Wet " . . .	35.4	35.6	100
Rain gauge C . . .	1 ounce 0.1088 inches		
Wind, force & direction.	1 W	4 E	
Clouds, amount & kind.	10 Pt Pm	10 Pm fog raining	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	31.0	37.3	37.5
" No. 3 .			
" No. 4 .	30.3	37.1	37.0

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JANUARY, 29 1876.

	10 A. M.	4 P. M.	
Barometer	29.775	29.562	
Thermometer attached.	36.7	38.4	
" external No. 2.	37.7	44.2	
" " No. 3.			
" " No. 4.	37.6	43.8	High wind following night
" Maximum	39.7		
" " (Set)	37.0		
" Minimum	34.1		
" " (Set)	36.7		
" Solar max.			
" " (Set)			
" Dry bulb	38.4	45.0	99
" Wet "	36.8	41.0	79
Rain gauge C	2 1/8 ounces 0.188 inches		
Wind, force & direction.	1 c NE	5 c SW	
Clouds, amount & kind.	10 Pm fog	10 Pm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	35.0	48.2	38.0
" No. 3			
" No. 4	34.3	48.0	37.2

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JANUARY, 30 1876.

	10 A. M.	3½ P. M.	
Barometer	30.453	30.502	
Thermometer attached.	27.6	33.8	
" external No. 2.	15.8	19.0	
" " No. 3.			
" " No. 4.	15.3	18.6	
" Maximum	48.2		
" " (Set)	17.2		
" Minimum	13.8		
" " (Set)	14.8		
" Solar max.			
" " (Set)			
" Dry bulb	16.4	19.8	47
" Wet "	11.9	14.4	39
Rain gauge C	0⅞ minus 0.077 inches		
Wind, force & direction.	7 NW	6 NW	
Clouds, amount & kind.	0 Rs	0	

	8 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	15.5	18.0	14.3
" No. 3			
" No. 4	14.8	17.4	13.2

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JANUARY, 31 1876.

	8 A. M.	4 P. M.
Barometer	30.425	30.268
Thermometer attached.	22.0	29.2
" external No. 2.	10.0	28.9
" " No. 3.		
" " No. 4.	9.4	28.6
" Maximum	19.0	
" " (Set)	11.2	
" Minimum	6.2	
" " (Set)	9.0	
" Solar max.		
" " (Set)		
Dry bulb	under fostering	29.3
" Wet "	9.5	25.3
Rain gauge C	0	
Wind, force & direction.	0 NW	3 N
Clouds, amount & kind.	9 Pc	5 Pc Fm

	7 1/3 A. M.	2 P. M.	9 30 P. M.
Thermometer No. 2	8.0	30.1	25.0
" No. 3			
" No. 4	7.1	30.1	24.2

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FEBRUARY, 1 1876.

	10 A. M.	4 P. M.	
Barometer	30.096	29.899	
Thermometer attached.	29.6	33.2	
" external No. 2.	28.2	33.7	
" " No. 3.			
" " No. 4.	27.9	33.1	
" Maximum	29.7		
" " (Set)	28.8		
" Minimum	9.0		
" " (Set)	27.2		
" Solar max.			
" " (Set)			
" Dry bulb	29.1	34.0	82
" Wet "	26.1	30.0	75
Rain gauge C	0		
Wind, force & direction.	2 c SW	2 c SE	
Clouds, amount & kind.	10 Cu	10 Cu	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	25.0	33.8	33.0
" No. 3			
" No. 4	24.3	33.7	32.3

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FEBRUARY, 2 1876.

	10 A. M.	4 P. M.	
Barometer	28.893	29.457	
Thermometer attached.	34.7	33.0	
" external No. 2.	28.8	13.0	At 11 A.M.
" " No. 3.			Barom. 29.012
" " No. 4.	29.4	12.5	Att. Th. 35.1
" Maximum .	35.5		High wind
" " (Set) .	29.6		began about
" Minimum .	27.1		9½ A.M.
" " (Set) .	28.2		At 2½ P.M.
" Solar max. .			Barom 29.288
" " (Set) .			Att Th. 35.9
Dry bulb . .	30.2	14.0	wind continuing
" Wet " . . .	27.1	10.9	81
Rain gauge C . . .	5 5/8 ounces 0.496 inches		69
Wind, force & direction.	30° W	20° W	
Clouds, amount & kind.	10 Cu	4 Cu Ns	

	7 A. M.	2½ P. M.	9 P. M.
Thermometer No. 2 .	34.0	15.7	8.2
" No. 3 .			
" No. 4 .	33.2	15.1	7.4

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FEBRUARY, 3 1876.

	10 A. M.	4 P. M.	
Barometer . . .	30.395	30.350	
Thermometer attached.	sub of 2 1/2 M estimate 15.0	26.6	
" external No. 2.	8.0	21.0	
" " No. 3.			
" " No. 4.	7.1	20.6	
" Maximum .	30.0		
" " (Set) .	9.8		Snow following night
" Minimum .	1.9		
" " (Set) .	7.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	9.0	21.6	
" Wet " . . .	cannot be read	16.1	41
Rain gauge C . . .	0		
Wind, force & direction.	8 W	3 SW	
Clouds, amount & kind.	0 Rs	10 Ns	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	34.0	18.8	20.0
" No. 3 .			
" No. 4 .	12.2	18.4	19.4

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FEBRUARY, 4 1876.

	10 A. M.	4 P. M.
Barometer	29.872	30.000
Thermometer attached.	28.0	33.2
" external No. 2.	29.5	30.0
" " No. 3.		
" " No. 4.	29.4	29.8
" Maximum	29.0	
" " (Set)	29.1	
" Minimum	6.9	
" " (Set)	28.2	
" Solar max.		
" " (Set)		
Dry bulb	30.5	30.6
" Wet "	28.0	25.3
Rain gauge C	See snow measure	
Wind, force & direction.	3 W	6 W
Clouds, amount & kind.	10 R	10 R

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	24.0	31.0	19.5
" No. 3			
" No. 4	23.5	31.0	19.0

At 10 A.M.
Snow 6 inches deep, very uniform.
16 inches of this snow in cylinder 1.8 inches across weigh 2 1/4 ounces.
Hence rainfall 0.575 inches; 0.0958 inches to the inch of snow.
Gauge C cleared out

89
58

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FEBRUARY, 5 1876.

	10 A. M.	4 P. M.
Barometer	30.819	30.871
Thermometer attached.	23.8	28.8
" external No. 2.	4.3	11.9
" " No. 3.		
" " No. 4.	3.8	11.8
" Maximum	31.7	
" " (Set)	7.6	
" Minimum	0.1	
" " (Set)	3.3	
" Solar max.		
" " (Set)		
" Dry bulb	5.2	12.9
" Wet "	below graduation	9.0
Rain gauge C	0	
Wind, force & direction.	7 NW	3 W
Clouds, amount & kind.	0	0 Rs

At 6 P.M.
Barom. 30.888
Att. Th. 28.8
At 7 1/4 P.M.
Barom. 30.882
Att. Th. 28.6
At 9 P.M.
53 Barom. 30.881
Att Th. 25.0

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	-5	10.8	5.0
" No. 3			
" No. 4	+9 above	10.6	4.2

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FEBRUARY, 6 1876.

	10 A. M.	4 P. M.	
Barometer . . .	30.620	30.404	
Thermometer attached.	22.2	28.9	
" external No. 2.	25.0	38.8	
" " No. 3.			
" " No. 4.	24.3	38.4	
" Maximum .	25.0		
" " (Set) .	25.2		
" Minimum .	—2.0		
" " (Set) .	24.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	26.0	39.2	78
" Wet " . . .	22.8	35.6	80
Rain gauge C . . .	0		
Wind, force & direction.	3 SW	1 S	
Clouds, amount & kind.	1 Rs	10 Rs	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	18.1	38.9	39.0
" No. 3 .	16		
" No. 4 .	17.3	38.8	38.6

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FEBRUARY, 7 1876.

	10 A. M.	4 P. M.	
Barometer	30.058	30.134	
Thermometer attached.	35.8	41.8	
" external No. 2.	42.1	45.6	
" " No. 3.			
" " No. 4.	42.2	45.2	
" Maximum .	42.4		
" " (Set) .	41.0		
" Minimum .	24.1		
" " (Set) .	42.0		
" Solar max. .			
" " (Set) .			
' Dry bulb . .	43.6	46.2	84
" Wet " . . .	40.4	38.6	51
Rain gauge C . . .	25 minutes 0.232 inches		
Wind, force & direction.	4 W	2 NW	
Clouds, amount & kind.	2 Cu Ro 7m haze	10 Cu Ro 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	39.9	46.8	37.9
" No. 3 .			
" No. 4 .	39.1	46.4	37.2

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FEBRUARY, 8 1876.

	10 A. M.	4 P. M.	
Barometer . . .	30.390	30.316	
Thermometer attached.	36.4	42.5	
" external No. 2.	38.0	43.0	
" " No. 3.			
" " No. 4.	37.5	42.2	
" Maximum .	46.9		
" " (Set) .	37.8		
" Minimum .	32.6		
" " (Set) .	37.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	38.8	43.4	56
" Wet " . . .	32.6	36.0	49
Rain gauge C . . .	0		
Wind, force & direction.	6 NW	3 W	
Clouds, amount & kind.	5 R Rs	0 Rs	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	34.1	42.2	34.2
" No. 3 .			
" No. 4 .	33.5	41.5	33.6

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FEBRUARY, 9 1876.

	10 A. M.	4 P. M.	
Barometer	30.318	30.124	
Thermometer attached.	35.3	37.1	
" external No. 2.	34.8	35.0	
" " No. 3.			
" " No. 4.	34.2	34.5	
" Maximum	42.3		
" " (Set)	34.7		
" Minimum	27.0		
" " (Set)	33.9		
" Solar max.			
" " (Set)			
" Dry bulb	35.4	35.8	82
" Wet "	32.2	33.3	90
Rain gauge C	0		
Wind, force & direction.	6c NE	3c E	
Clouds, amount & kind.	10 Pm	10 Pm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	30.1	34.8	34.3
" No. 3			
" No. 4	29.9	34.2	34.

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FEBRUARY, 10 1876.

	10 A. M.	4 P. M.	
Barometer	29.909	30.117	
Thermometer attached.	34.6	39.7	
" external No. 2.	27.8	34.7	
" " No. 3.			
" " No. 4.	27.4	34.2	
" Maximum .	35.4,		
" " (Set) .	27.8		
" Minimum .	23.0		
" " (Set) .	27.0		
" Solar max. .			
" " (Set) .			
Dry bulb . .	28.8	35.4	83
" Wet " . . .	25.9	31.9	79
Rain gauge C . . .	5 5/8 winds 0.496 inches		
Wind, force & direction.	8c NE	3c NE	
Clouds, amount & kind.	10 R Fm	4 R Rs	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	24.5	34.7	31.2
" No. 3 .			
" No. 4 .	24.9	34.1	31.

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FEBRUARY, 11 1876.

	10 A. M.	4 P. M.	
Barometer . . .	30.067	29.711	
Thermometer attached.	36.0	37.0	
" external No. 2.	33.9	42.1	
" " No. 3.			
" " No. 4.	33.3	41.4	
" Maximum .	34.6		
" " (Set) .	33.5		
" Minimum .	26.6		
" " (Set) .	32.9		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	34.7	43,0	91
" Wet " . . .	32.4	41.0	96
Rain gauge C . . .	0 ounces 0.001 inches		
Wind, force & direction.	3 SE	4 S	
Clouds, amount & kind.	10 Pm rain	10 Pm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	31.8	38.4	50.1
" No. 3 .		-	
" No. 4 .	31.2	37.8	49.9

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FEBRUARY, 12 1876.

	10 A. M.	4 P. M.	
Barometer	29.856	29.979	
Thermometer attached.	40.4	45.1	
" external No. 2.	42.8	43.9	
" " No. 3.			7 to 7½ P.M.
" " No. 4.	42.0	43.2	Zodiacal light
" Maximum	50.0		conspicuous to the
" " (Set)	42.0		Pleiades; but
" Minimum	32.9		separated from the
" " (Set)	41.8		Milky Way by a
" Solar max.			strip of dark sky
" " (Set)			from Algol to Aldebaran.
Dry bulb	42.5	44.4	50
" Wet "	35.4	34.3	30
Rain gauge C	1¾ inches 0.121 inches		
Wind, force & direction.	6 NW	6 W	
Clouds, amount & kind.	0 RRs	0	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	37.8	45.3	37.0
" No. 3			
" No. 4	37	44.7	36.2

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FEBRUARY, 13 1876.

	10 A. M.	5 4 P. M.	
Barometer	29.984	30.012	
Thermometer attached.	39.0	48.3	
" external No. 2.	45.0	52.8	
" " No. 3.			About 7 P.M.
" " No. 4.	44.3	52.3	Zodiacal light not
" Maximum	45.6		apparent; but sky
" " (Set)	43.8		rather hazy.
" Minimum	32.9		
" " (Set)	44.0		
" Solar max.			
" " (Set)			
' Dry bulb	45.8	53.4	48
" Wet "	37.8	42.9	40
Rain gauge C	0		
Wind, force & direction.	4 W	2 W	
Clouds, amount & kind.	0	4 Rs Rm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	37.0	54.2	42.4
" No. 3			
" No. 4	36.0	53.7	41.3

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FEBRUARY, 14 1876.

	10 A. M.	4 P. M.	
Barometer . . .	30,136	30,000	
Thermometer attached.	40.7	39.4	
" external No. 2.	33.7	33.3	
" " No. 3.			
" " No. 4.	33.0	33.0	
" Maximum .	54.3		
" " (Set) .	33.9		
" Minimum .	32.1		
" " (Set) .	32.9		
" Solar max. .			
" " (Set) .			
Dry bulb . .	34.1	34.1	76
" Wet " . . .	30.2	32.1	95
Rain gauge C . . .	0	3 sunnies 0.265 inches	
Wind, force & direction.	8e NE	5e E	
Clouds, amount & kind.	10 Pm 7m some rain	10 Pm raining.	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	33,8	32.8	34.3
" No. 3 .			
" No. 4 .	33,2	32.1	33.8

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1876.4

FEBRUARY, 15 1876.

	10 A. M.	4 P. M.
Barometer	29.433	28.845
Thermometer attached.	39.5	40.1
" external No. 2.	34.1	51.8
" " No. 3.		
" " No. 4.	33.7	51.0
" Maximum	34.8	
" " (Set)	34.0	
" Minimum	31.9	
" " (Set)	33.2	
" Solar max.		
" " (Set)		
" Dry bulb	35.1	53.0
" Wet "	33.5	51.0
Rain gauge C	×9 7/8 ounces 0.872 inches	4 7/8 ounces 0.430 inches
Wind, force & direction.	6° N	25° S E
Clouds, amount & kind.	10 Pm some rain	10 Pm a little rain

At 4¼ P.M.
Barom. 28.844
Att. Th. 41.0
At 4 7/12 P.M.
Barom. 28.832
Att. Th. 41.0
At 5½ P.M.
Barom. 28.836
Att. Th. 41.3
At 6 P.M.
Barom. 28.850
Att. Th. 40.3

99
97

+ Gauge C
Feb. 14, 4 P.M. 0.265 inches
" 15 10 A.M. 0.872 "
In all 1.137 "

	7 30 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	35.5	42.7	36.2 (night)
" No. 3			
" No. 4	34.8	42.2	36.5 (night)

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FEBRUARY, 16 1876.

	10 A. M.	4 P. M.	
Barometer	29.509	29.550	
Thermometer attached.	36.4	40.0	7 P.M. Zodiacal light not distinct beyond Aries.
" external No. 2.	34.0	34.8	
" " No. 3.			
" " No. 4.	33.4	34.2	
" Maximum	54.1		Slight snow squalls about 8½ A.M. and 3 P.M.
" " (Set)	35.0		
" Minimum	30.0		
" " (Set)	33.2		
" Solar max.			
" " (Set)			
Dry bulb	34.9	35.4	55
" Wet "	28.8	29.6	59
Rain gauge C	*0		
Wind, force & direction.	9e SW	7e W	
Clouds, amount & kind.	6 N Fm	10 Pn Fm	* Gauge C Feb. 15, 4 P.M., 0.430 inches

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	31.7	35.8	31.0
" No. 3			
" No. 4	31.0	35.4	30.3

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FEBRUARY, 17 1876.

	10 A. M.	4 P. M.	
Barometer	29.665	29.670	
Thermometer attached.	33.8	36.4	
" external No. 2.	30.0	31.0	
" " No. 3.			7 P.M.
" " No. 4.	29.7	30.5	Zodiacal light
" Maximum	35.4		appears to
" " (Set)	30.0		reach the
" Minimum	26.2		Milky Way
" " (Set)	28.9		
" Solar max.			
" " (Set)			
" Dry bulb	30.7	31.7	57
" Wet "	25.3	25.7	52
Rain gauge C	0 1/8 ounces 0.011 inches		
Wind, force & direction.	8 W	8 W	
Clouds, amount & kind.	10 R Pm Fm	9 Pm Fm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	27.5	30.4	25.9
" No. 3			
" No. 4	26.8	30.5	25.3

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FEBRUARY, 18 1876.

	10 A. M.	4 P. M.	
Barometer	29.923	29.959	
Thermometer attached.	26.3	35.4	
" external No. 2.	25.0	30.2	
" " No. 3.			
" " No. 4.	24.6	29.7	
" Maximum	31.6		
" " (Set)	25.6		
" Minimum	16.8		
" " (Set)	24.1		
" Solar max.			
" " (Set)			
Dry bulb	25.8	30.9	58
" Wet "	21.0	24.7	49
Rain gauge C	0		
Wind, force & direction.	7 NW	7 NW	
Clouds, amount & kind.	5 Ro Fm	0 Ro M Fm	

	7 30 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	19.3	30.1	25.9
" No. 3			
" No. 4	18.5	29.7	25.3

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FEBRUARY, 19 1876.

	10¼ A. M.	4 P. M.	
Barometer	30.006	29.955	8 P.M. Much auroral light & occasional short streamers among clouds in the north: shifting patches of light from west to east through Orion: the green line could be seen in the north with the spectroscope but not in the southern patches.
Thermometer attached.	30.6	37.8	
" external No. 2.	26.8	37.4	
" " No. 3.			
" " No. 4.	26.5	37.2	
" Maximum	30.3		
" " (Set)	27.0		
" Minimum	17.2		
" " (Set)	25.8		
" Solar max.			Zodiacal light visible.
" " (Set)			9 P.M. Low double arch in the north; no southern aurora.
Dry bulb	27.7	37.9	61
" Wet "	23.0	31.7	57
Rain gauge C	0		
Wind, force & direction.	1 e W	5 e S	
Clouds, amount & kind.	9 Ri Rs Thin	10 Ri	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	18.2	38.0	33.0
" No. 3			
" No. 4	17.5	38.0	32.3

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FEBRUARY, 20 1876.

	10 A. M.	4 P. M.	
Barometer	29.951	30.011	
Thermometer attached.	34.8	39.0	
" external No. 2.	33.0	33.0	7 P.M. Zodiacal light not quite reaching the Pleiades.
" " No. 3.			
" " No. 4.	32.6	32.4	
" Maximum	38.3		
" " (Set)	33.0		
" Minimum	25.8		
" " (Set)	32.1		
" Solar max.			
" " (Set)			
Dry bulb	33.7	33.7	39
" Wet "	26.1	26.0	38
Rain gauge C	0		
Wind, force & direction.	9e W	6e W	
Clouds, amount & kind.	4Pm M 7m	0	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	32.2	32.9	25.0
" No. 3			
" No. 4	31.9	32.3	24.2

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FEBRUARY, 21 1876.

	10 A. M.	4 P. M.	
Barometer	30.235	30.196	
Thermometer attached.	25.4	34.3	
" external No. 2.	24.2	32.0	
" " No. 3.			
" " No. 4.	23.8	32.4	
" Maximum .	33.2		
" " (Set) .	24.8		
" Minimum .	16.8		
" " (Set) .	23.2		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	25.0	32.8	47
" Wet "	19.5	25.9	45
Rain gauge C	0		
Wind, force & direction.	8 NW	0 NW	
Clouds, amount & kind.	5 Cu	10 Cu	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	18.2	31.1	28.3
" No. 3 .			
" No. 4 .	17.3	30.9	28.0

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FEBRUARY, 22 1876.

	10 A. M.	4 P. M.
Barometer	29.783	29.730
Thermometer attached.	33.4	36.7
" external No. 2.	35.3	32.0
" " No. 3.		
" " No. 4	35.6	31.7
" Maximum	35.4	
" " (Set)	35.4	
" Minimum	23.1	
" " (Set)	34.2	
" Solar max.		
" " (Set)		
" Dry bulb	36.2	32.7
" Wet "	32.6	25.5
Rain gauge C	✕ 4½ ounces 0.364 inches	
Wind, force & direction.	3 NW	3 NW
Clouds, amount & kind.	5 Pc R-S fm	4 Pc Rs Rm fm

	7 30 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	31.7	33.6	26.0
" No. 3			
" No. 4	31.3	33.0	25.4

Snow last night nearly today

✕ At 10 1/4 A.M. Snow 4 3/4 inches deep, pretty uniform. 15 inches in cylinder 1.8 inches across weigh 2 3/8 ounces. Hence rainfall to 1 inch of snow 0.103 inch total rainfall 0.512 in; preferred to amount by gauge C.

79

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FEBRUARY, 23 1876.

	10 A. M.	4 P. M.	
Barometer . . .	29.708	29.699	
Thermometer attached.	28.0	21.7	
" external No. 2.	13.5	11.1	
" " No. 3.			
" " No. 4.	13.1	10.7	
" Maximum .	35.4		
" " (Set) .	14.6		
" Minimum .	12.5		
" " (Set) .	12.5		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	14.3	12.0	62
" Wet " . . .	10.8	8.5	59
Rain gauge C . . .	0		
Wind, force & direction.	13 NW	12 NW	
Clouds, amount & kind.	1 CuRS 7m	0	

	7 30 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	18.0	12.3	+2.0
" No. 3 .			
" No. 4 .	17.5	11.9	+1.3

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FEBRUARY, 24 1876.

	10 A. M.	4 P. M.
Barometer	29.751	29.702
Thermometer attached.	out of sight estimate 15.0	18.3
" external No. 2.	2.0	8.5
" " No. 3.		
" " No. 4.	1.2	7.8
" Maximum	16.0	
" " (Set)	4.6	
" Minimum	−5.8	
" " (Set)	1.0	
" Solar max.		
" " (Set)		
" Dry bulb	Below graduation	hidden by fastenings
" Wet "		
Rain gauge C	0	
Wind, force & direction.	1 3 W	1 3 W
Clouds, amount & kind.	1 Rs Fm	1 Fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	−3.3	6.8	+5.5
" No. 3			
" No. 4	−4.5	6.0	4.7

Thermometers Casella 3235 & 12530 at 4½ P.M. tested for change of freezing point.

A bucket of water containing snow, which had been standing since 3⅔ P.M., was brought to the Clock Room & afterwards to the E. Transit Room; & the first room was warm, the other below the freezing point.

Casella 3235 read 32.9 in both rooms when dipped into the bucket.

Casella 12530 (removed from its copper case) read 32.8 in the Clock Room, 32.1 in the East Transit Room, when dipped into the bucket. In the East Transit Room it was dipped when it was standing at about the freezing point, so that 32.1 may be adopted as its reading at the freezing point and 32.9 that of Casella 3235.

8 P.M. Zodiacal light nearly to the Pleiades; same yesterday evening.

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FEBRUARY, 25 1876.

	10 A. M.	4 P. M.	
Barometer	29.923 out of night estimate 15.0	29.897 25.2	
Thermometer attached.			
" external No. 2.	13.2	23.8	
" " No. 3.			
" " No. 4.	12.8	23.1	
" Maximum	13.8		
" " (Set)	14.2		
" Minimum	0.9		
" " (Set)	12.2		
" Solar max.			
" " (Set)			
" Dry bulb	14.0	24.4	58
" Wet "	10.3	18.1	36
Rain gauge C	0		
Wind, force & direction.	10° W	8° NW	
Clouds, amount & kind.	6 RS	0 Ro 7m	

	7 45 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	7.4	23.0	18.0
" No. 3			
" No. 4	6.5	22.6	17.4

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FEBRUARY, 26 1876.

	10 A. M.	4 P. M.	
Barometer	29.999	30.000	
Thermometer attached.	21.2	27.1	
" external No. 2.	20.7	28.1	
" " No. 3.			
" " No. 4.	20.3	27.9	
" Maximum	23.1		
" " (Set)	21.0		
" Minimum	12.1		
" " (Set)	19.8		
" Solar max.			
" " (Set)			
" Dry bulb	21.4	28.8	36
" Wet "	15.6	21.8	36
Rain gauge C	0		
Wind, force & direction.	7 NW	5 W	
Clouds, amount & kind.	5 Ri Rm	10 Ri Ri	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	14.8	28.0	25.1
" No. 3			
" No. 4	14.2	27.9	24.4

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FEBRUARY, 27 1876.

	10 A. M.	4 P. M.	
Barometer	30.200	30.130	
Thermometer attached.	24.0	29.3	
" external No. 2.	20.6	28.0	
" " No. 3.			
" " No. 4.	20.3	28.2	
" Maximum .	27.8		
" " (Set) .	21.2		9 P.M.
" Minimum .	11.3		Beginning
" " (Set) .	19.7		to Order
" Solar max. .			
" " (Set) .			
" Dry bulb . .	21.5	28.8	47
" Wet "	16.4	23.0	50
Rain gauge C . . .	0		
Wind, force & direction.	4 NW	0 W	
Clouds, amount & kind.	9 Pr Fm	10 Pr	

	8 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	14.3	28.4	26.6
" No. 3 .			
" No. 4 .	13.7	28.8	26.1

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FEBRUARY, 28 1876.

	10½ A. M.	4 P. M.	
Barometer	29.918	29.846	
Thermometer attached.	29.1	29.6	
" external No. 2.	26.9	22.9	
" " No. 3.			
" " No. 4	26.7	22.6	* Light snow, which fell without wind; not easily distinguishable from old snow: measure by gauge C probably better than could be got otherwise.
" Maximum	28.2		
" " (Set)	27.0		
" Minimum	19.6		
" " (Set)	25.9		
" Solar max.			
" " (Set)			
Dry bulb	27.6	23.6	86
" Wet "	25.0	21.7	94
Rain gauge C	2⅛ ounces 0.148 inches		
Wind, force & direction.	1 NE	8 NE	Snow began at noon.
Clouds, amount & kind.	10 Ci	10 Ci Snowing	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	22.0	24.0	21.4
" No. 3			
" No. 4	21.4	23.7	21.0

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FEBRUARY, 29 1876.

	10 A. M.	4 P. M.
Barometer	29.972	30.071
Thermometer attached.	27.0	33.0
" external No. 2.	26.8	30.0
" " No. 3.		
" " No. 4.	26.6	29.6
" Maximum	27.0	
" " (Set)	26.9	
" Minimum	19.6	
" " (Set)	25.8	
" Solar max.		
" " (Set)		
" Dry bulb	27.6	30.6
" Wet "	24.6	25.4
Rain gauge C *	6c N	3c NE
Wind, force & direction.	10 R	0
Clouds, amount & kind.		

	8.39 A. M.	2 P. M.	9.20 P. M.
Thermometer No. 2	24.4	30.1	21.1
" No. 3			
" No. 4	23.9	29.9	20.0

10 A.M.
10 measures of new snow as follows: The old snow makes the measures somewhat uncertain:

7/8
5 1/2
4 1/2
4 3/4
5
5 3/4
4 1/2
5
4

mean 4.85 inches

16 inches of this snow in cylinder 1.8 inches heavy weight 3 1/2 ounces. Hence rainfall for 1 inch of snow 0.146 inches:
82
60
total 0.723 inches
less 0.188 inches fallen before yesterday's measure
Remainder 0.535 inches.

* Gauge C cleared out without examination; see snow measures.

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MARCH, 1 1876.

Thermometers to be compared by Prof. Whitaker
1 1 2 3 4 5

	10 A. M.	4 P. M.	
Barometer	30.107	30.004	7 10
Thermometer attached.	23.3	31.4	2
" external No. 2.	27.7	33.0	4
" " No. 3.			9
" " No. 4.	28.3	33.3	
" Maximum	30.0		
" " (Set)	28.0		
" Minimum	11.4		
" " (Set)	26.8		
" Solar max.			
" " (Set)			
" Dry bulb	28.9	33.9	77
" Wet "	25.5	29.1	67
Rain gauge C	0		
Wind, force & direction.	4 SW	6 W	
Clouds, amount & kind.	10 Pr.	10 Pr Pm	

A few snow flakes following night.

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	15.2	33.9	28.6
" No. 3			
" No. 4	14.7	34.3	28.2

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MARCH, 2 1876.

	10 A. M.	4 P. M.
Barometer	29.884	29.824
Thermometer attached.	30.1	31.8
" external No. 2.	26.0	30.0
" " No. 3.		
" " No. 4.	26.1	29.7
" Maximum	35.0	
" " (Set)	26.6	
" Minimum	21.1	
" " (Set)	25.1	
" Solar max.		
" " (Set)		
" Dry bulb	27.0	30.7
" Wet "	22.7	24.9
Rain gauge C	0 1/8 inches 0.011 inches	
Wind, force & direction.	6 e N	13 e N
Clouds, amount & kind.	10 R	10 R2

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	22.2	29.5	24.18
" No. 3			
" No. 4	21.7	29.4	24.4

	1	2	3	4	5
7					
10	26.9	26.4	26.2	23.2	2.50
2	30.1	29.6	29.5	24.8	2.80
4	30.6	30.0	29.95	30.0	2.85
9					
	65				
	53				

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MARCH, 3 1876.

	10 A. M.	4 P. M.
Barometer . . .	30.040	30.050
Thermometer attached.	24.6	30.4
" external No. 2.	20.6	25.6
" " No. 3.		
" " No. 4.	20.2	25.1
" Maximum .	29.5	
" " (Set) .	21.0	
" Minimum .	15.0	
" " (Set) .	19.5	
" Solar max. .		
" " (Set) .		
Dry bulb . .	21.4	26.2
" Wet " . . .	16.8	20.0
Rain gauge C . . .	0	
Wind, force & direction.	7 c NW	11 c NW
Clouds, amount & kind.	0	1 Ri

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	16.4	25.2	19.1
" No. 3 .			
" No. 4 .	15.8	24.7	18.3

	1	2	3	4	5
7	(No 2 6.9)	16.3	16.0		
10	20.8	20.9	20.4	21.0	18.0
2	25.5	25.2	25.2	25.5	24.0
4	25.9	25.6	25.4	25.8	24.0
9					

Missing not valid for nos 1 & 5

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MARCH, 4 1876.

	10 A. M.	4 P. M.
Barometer	30.314	30.268
Thermometer attached.	25.6	33.0
" external No. 2.	25.2	36.0
" " No. 3.		
" " No. 4.	24.7	35.7
" Maximum	25.1	
" " (Set)	25.1	
" Minimum	12.8	
" " (Set)	24.1	
" Solar max.		
" " (Set)		
" Dry bulb	26.0	36.7
" Wet "	20.8	28.2
Rain gauge C	0	
Wind, force & direction.	3 NW	4 W
Clouds, amount & kind.	0 Ro	5 RS 7m

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	15.4	34.7	29.3
" No. 3			
" No. 4	14.5	34.1	28.4

	1	2	3	4	5
7		15.4	15.2	15.3	
10	25.2	25.2	25.0	25.5	24.0
2	35.1	34.8	34.6	34.2	33.0
4	36.6	36.2	36.0	36.0	34.5
9					

53
36

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MARCH, 5 1876.

	10 A. M.	4¾ P. M.
Barometer . . .	30.386	30.347
Thermometer attached.	30.0	37.0
" external No. 2.	33.0	44.9
" " No. 3.		
" " No. 4.	32.4	44.5
" Maximum .	35.4	
" " (Set) .	32.2	
" Minimum .	18.0	
" " (Set) .	32.0	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	33.9	45.4
" Wet " . . .	30.4	37.8
Rain gauge C . . .	0	
Wind, force & direction.	4 SW	2 SW
Clouds, amount & kind.	0	6 PRs

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	19.4	45.4	38.1
" No. 3 .			
" No. 4 .	18.4	45.4	37.6

	1	2	3	4	5
7	E	19.2	18.8	18.4	
10	32.2	32.7	32.6	33.0	32.0
2	46.5	45.8	45.6	46.0	45.0
4	46.1	45.0	45.0	45.0	43.0
9					

80
50

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1876phae.proj..375.

MARCH, 6 1876.

	10 A. M.	4 P. M.
Barometer	30.263	30.170
Thermometer attached.	38.3	42.5
" external No. 2.	41.8	56.2
" " No. 3.		
" " No. 4.	41.2	55.7
" Maximum	45.8	
" " (Set)	41.0	
" Minimum	32.0	
" " (Set)	40.6	
" Solar max.		
" " (Set)		
" Dry bulb	423	57.2
" Wet "	~~37 3 4 2 3~~	48.4
Rain gauge C	~~37~~ 0.0 11 inches	
Wind, force & direction.	2 SW	3 S
Clouds, amount & kind.	10 Pm Pa	5 Rs Fm haze

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	39.6	52.0	45.0
" No. 3			
" No. 4	39.0	52.5	44.4

	1	2	3	4	5
7	40.2	39.8	39.7	38.5	38.5
10	42.4	41.9	41.8	41.8	40.0
2	53.2	52.6	52.5	52.0	51.0
4	57.0	56.6	56.6	56.5	55.0
9					

68

54

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1876phae.proj..375.

MARCH, 7 1876.

	10 A. M.	4 P. M.
Barometer . . .	30.028	29.902
Thermometer attached.	42.0	48.4
" external No. 2.	56.3	61.1
" " No. 3.		
" " No. 4.	55.5	61.2
" Maximum .	56.4	
" " (Set) .	53.8	
" Minimum .	39.4	
" " (Set) .	55.2	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	57.2	61.9
" Wet " . . .	50.5	54.0
Rain gauge C . . .	0	
Wind, force & direction.	7 e SW	9 e SW
Clouds, amount & kind.	1 Rs Fm haze	1 Rs Rm haze

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	47.2	62.8	50.0
" No. 3 .			
" No. 4 .	46.4	62.6	49.5

	1	2	3	4	5
7					
10	57.2	57.0	57.0	56.5	55.5
2	64.1	63.4	63.6	62.6	62.0
4	62.9	62.0	62.2	61.5	60.0
9					

66
62

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1876phae.proj..375.

MARCH, 8 1876.

	10 A. M.	4 P. M.
Barometer . . .	29.700	29.620
Thermometer attached.	47.4	49.1
" external No. 2.	53.3	52.7
" " No. 3.		
" " No. 4.	53.1	52.5
" Maximum .	62.2	
" " (Set) .	51.6	
" Minimum .	46.0	
" " (Set) .	52.0	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	54.2	53.4
" Wet " . . .	51.7	49.5
Rain gauge C . . .	0 5/8 morning 0.055 inches	
Wind, force & direction.	10° SE	6° S
Clouds, amount & kind.	10 Pm some rain	10 Pm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	52.1	54.9	45.2
" No. 3 .			
" No. 4 .	51.8	55.0	45.2

	1	2	3	4	5
7					
10	54.2	53.6	53.7	52.7	52.0
2					
4					
9					

Thermometers returned to Professor Whitaker

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MARCH, 9 1876.

1 2 3 4 5

	10 A. M.	4 P. M.	
Barometer	29.910	29.898	7 10
Thermometer attached.	42.0	43.1	2
" external No. 2.	37.0	39.7	4
" " No. 3.			9
" " No. 4.	36.7	39.3	
" Maximum	57.0		
" " (Set)	37.0		
" Minimum	33.7		
" " (Set)	36.0		
" Solar max.			
" " (Set)			
Dry bulb	38.0	40.4	73
" Wet "	33.7	35.0	63
Rain gauge C	0 ½ inches 0 0 11 inches		
Wind, force & direction.	6 NW	7 NW	
Clouds, amount & kind.	10 Pm	10 Pm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	35.1	40.4	33.0
" No. 3			
" No. 4	34.7	40.1	32.7

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MARCH, 10 1876.

	10 A. M.	4 P. M.	1	2	3	4	5
Barometer	30.090	30.080	7				
Thermometer attached.	40.6	40.7	10				
" external No. 2.	31.8	34.1	2				
" " No. 3.			4				
" " No. 4.	31.5	33.8	9				
" Maximum	39.8						
" " (Set)	32.0						
" Minimum	29.0						
" " (Set)	30.8						
" Solar max.							
" " (Set)							
' Dry bulb	32.4	34.6	66				
" Wet "	27.7	29.8	67				
Rain gauge C	0						
Wind, force & direction.	4 NW	4 E					
Clouds, amount & kind.	10 Pc	10 Pm					

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	30.2	34.5	29.0
" No. 3			
" No. 4	29.7	34.2	28.4

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MARCH, 11 1876.

1, 2, 3, 4, 5

	10 A. M.	4 P. M.
Barometer	30,327	30.312
Thermometer attached.	35.1	36.8
" external No. 2.	30.3	31.0
" " No. 3.		
" " No. 4.	30.0	30.7
" Maximum	34.1	
" " (Set)	30.7	
" Minimum	24.4	
" " (Set)	29.3	
" Solar max.		
" " (Set)		
Dry bulb	31,5	31.8
" Wet "	27.4	27.8
Rain gauge C	0	
Wind, force & direction.	4 NE	4 NE
Clouds, amount & kind.	10 Rn	10 Pm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	28.5	31.7	30.2
" No. 3			
" No. 4	27.9	31.2	29.5

7
10
2
4
9

72
73

* 10¼ A. M. Capella 3235 Therm 30.8 No 4 30.4

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MARCH, 12 1876.

	10 A. M.	4 P. M.	7	1	2	3	4	5
Barometer . . .	30.250	30.144	10					
Thermometer attached.	38.6	41.4	2					
" external No. 2.	34.4	35.1	4					
" " No. 3.			9					
" " No. 4.	33.8	34.5						
" Maximum .	34.0							
" " (Set) .	34.2							
" Minimum .	28.7							
" " (Set) .	33.4							
" Solar max. .								
" " (Set) .								
" Dry bulb . .	35.0	35.7	76					
" Wet " . . .	31.1	31.9	76					
Rain gauge C . . .	0							
Wind, force & direction.	4 E	5 E						
Clouds, amount & kind.	10 Pm	5 R, 7m haze						

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	31.4	37.0	34.2
" No. 3 .			
" No. 4 .	30.8	36.0	33.5

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MARCH, 13 1876.

	10 A. M.	4 P. M.
Barometer	*29,840	29,696
Thermometer attached.	38.0	38.6
" external No. 2.	36.0	36.7
" " No. 3.		
" " No. 4.	35.7	36.4
" Maximum	37.0	
" " (Set)	35.6	
" Minimum	32.4	
" " (Set)	35.1	
" Solar max.		
" " (Set)		
" Dry bulb	36.9	37.6
" Wet "	35.1	35.7
Rain gauge C	1 ounce 0.088 inches	
Wind, force & direction.	1 N	3 N
Clouds, amount & kind.	10 Pm raining	10 Pm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	35.0	36.0	27.8
" No. 3			
" No. 4	34.3	35.5	27.2

1 2 3 4 5

7
10
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4
9

* This was at 10h 4m; the barometer seemed to be falling fast; at 10h 6½m it read 29.800; a shower began falling at this time. At 10h 8m barometer 29.793; same at 10h 20m attached thermometer 38.2

9/
9/6

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MARCH, 14 1876.

	10 A. M.	4 P. M.	0 1 2 3 4 5
			7
Barometer	30.014	30.044	10
Thermometer attached.	24.0	31.6	2
" external No. 2.	20.9	27.5	4
" " No. 3.			9
" " No. 4.	20.2	27.0	
" Maximum	36.7		
" " (Set)	23.3		
" Minimum	18.2		
" " (Set)	19.8		
" Solar max.			
" " (Set)			
Dry bulb	21,8	28,1	50
" Wet "	16.9	21.7	41
Rain gauge C	2¼ ounces 0.199 inches		
Wind, force & direction.	14 NW	11 NW	
Clouds, amount & kind.	0 Fm	0	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	20.8	26.0	—
" No. 3			
" No. 4	20.2	25.6	—

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MARCH, 15 1876.

	10 A. M.	4 P. M.	7	1	2	3	4	5
Barometer	30.015	30.104	10					
Thermometer attached.	20.5	30.0	2					
" external No. 2.	21.8	33.0	4					
" " No. 3.			9					
" " No. 4.	21.2	32.5						
" Maximum	27.3							
" " (Set)	22.4							
" Minimum	13.0							
" " (Set)	20.9							
" Solar max.								
" " (Set)								
Dry bulb	22,4	33,4	33					
" Wet "	16.2	24.5	25					
Rain gauge C	0							
Wind, force & direction.	16c NW	8c W						
Clouds, amount & kind.	0	0						

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	15.4	31.0	26.2
" No. 3			
" No. 4	14.5	30.4	25.9

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MARCH, 16 1876.

	10 A. M.	4 P. M.
Barometer . . .	30.155	
Thermometer attached.	27.3	
" external No. 2.	28.5	
" " No. 3.		
" " No. 4.	27.9	
" Maximum .	32.4	
" " (Set) .	28.7	
" Minimum .	17.4	
" " (Set) .	27.2	
" Solar max.		
" " (Set) .		
" Dry bulb . .	29.2	
" Wet " . . .	21.6	
Rain gauge C . . .	0	
Wind, force & direction.	3 NW	
Clouds, amount & kind.	0 P R	

	7 A. M.	1 P. M.	9 P. M.
Thermometer No. 2 .	20.9	37.0	31.0
" No. 3 .			
" No. 4 .	20.3	36.5	30.0

1 2 3 4 5

7
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30

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MARCH, 17 1876.

1 2 3 4 5

	10 A. M.	4 P. M.
Barometer	29.315	29.117
Thermometer attached.	34.8	35.0
" external No. 2.	34.1	29.0
" " No. 3.		
" " No. 4.	33.8	29.0
" Maximum	37.0	
" " (Set)	34.0	
" Minimum	27.3	
" " (Set)	33.1	
" Solar max.		
" " (Set)		
Dry bulb	35.0	30.0
" Wet "	32.9	28.2
Rain gauge C	5⅛ ounces 0.452 inches	
Wind, force & direction.	5e NE	8e NW
Clouds, amount & kind.	10 Pcu	10 Ru Snowing

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	33.3	30.0	27.2
" No. 3			
" No. 4	32.8	30.0	26.6

7
10
2
4
9 March 18

At 10½ A.M., snow measured in 10 places 3½, 4, 3½, 4, 3½, 3½, 4, 2¾, 3, 3½; mean 3.475 inches. 15 inches of this snow in an inch. 1.8 inches equivalent to 1 inch of water. Mean rainfall to 1 inch of snow 0.1362 inches; total 0.473 inches; less 0.452 inches March 17; remainder 0.021 inches; but as some rain fell as well as snow on March 16 & 17, the measure by gauge C is undoubtedly preferable to this.

94
97

8 P.M. Clear for a time; Zodiacal light beyond the Pleiades, nearly to the Milky Way

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MARCH, 18 1876.

Anmid 29.58 29.59 1 2 3 4 5

	10 A. M.	4 P. M.	
Barometer	29.481	29.503	10
Thermometer attached.	32.0	32.9	2
" external No. 2.	21.9	21.6	4
" " No. 3.			9
" " No. 4.	21.7	21.1	
" Maximum	34.0		
" " (Set)	23.0		
" Minimum	20.1		
" " (Set)	20.7		
" Solar max.			
" " (Set)			
" Dry bulb	22.7	22.3	66
" Wet "	18.8	17.9	58
Rain gauge C	3 3/4 ounces 0,331 inches		* Refered to snow measure on preceding page.
Wind, force & direction.	16 e NW	10 e NW	
Clouds, amount & kind.	10 Cu Ns fm	0	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	21.5	23.3	8.8
" No. 3			
" No. 4	20.9	23.0	8.1

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MARCH, 19 1876.

Aneroid 30.05 30.16 1 2 3 4 5

	10 A. M.	4½ P. M.	
Barometer	30.034	30.126	7
Thermometer attached.	out of sight; estimate 15.0	26.8	10
" external No. 2.	13.4	21.8	2
" " No. 3.			4
" " No. 4	12.7	21.0	9
" Maximum	24.5		
" " (Set)	14.6		
" Minimum	5.8		
" " (Set)	12.1		
" Solar max.			
" " (Set)			
Dry bulb	14.0	22.4	62
" Wet "	10.5	17.0	44
Rain gauge C	0; a little snow blown into the gauge.		
Wind, force & direction.	10 NW	6 W	
Clouds, amount & kind.	2 Cs	0	

	7½ A. M.	2 P. M.	9 P. M.
Thermometer No. 2	8.9	20.7	17.1
" No. 3			
" No. 4	8.1	20.0	16.3

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MARCH, 20 1876.

Aneroid 30.30 1 2 3 4 5

	10 A. M.	4 P. M.	
			7
Barometer	30.350	30.246	10
Thermometer attached.	20.1	31.1	2
" external No. 2.	24.8	30.8	4
" " No. 3.			9
" " No. 4.	23.9	29.9	
" Maximum	24,8		
" " (Set)	25.0		
" Minimum	10.3		
" " (Set)	23.8		
" Solar max.			
" " (Set)			
" Dry bulb	25,2	31,0	52
" Wet "	20.0	26.7	69
Rain gauge C	0		
Wind, force & direction.	4 NE	6 E	
Clouds, amount & kind.	10 Pn thin	10 Pn	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	14.1	30.0	28.4
" No. 3			
" No. 4	13.3	29.4	27.7

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14 7/38
1 1/4

MARCH, 21 1876.

Aneroid 29.36 29.24

1 2 3 4 5

	10 A. M.	4 P. M.
Barometer	29.288	29.162
Thermometer attached.	33.8	38.1
" external No. 2.	42.6	51.0
" " No. 3.		
" " No. 4.	42.4	50.7
" Maximum	42.2	
" " (Set)	40.0	
" Minimum	23.8	
" " (Set)	41.0	
" Solar max.		
" " (Set)		
" Dry bulb	43.7	51.9
" Wet "	42.1	49.8
Rain gauge C	16 5/8 ounces × 1.467 inches	
Wind, force & direction.	9 SE	4 S
Clouds, amount & kind.	10 Pm raining	10 Pm 7m

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	35.9	50.0	34.8
" No. 3			
" No. 4	35.4	49.8	34.6

7
10
2
4
9

97
94

× Snow with high wind after 8 P.M. March 20; changed to rain in the night. Probably the rainfall by gauge C is too small, the snow being partly blown away; but the rain which has melted the snow so much that the gauge is the only means of determining the rainfall.

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MARCH, 22 1876.

Aneroid 29.72 29.83

	10 A. M.	4 P. M.
Barometer . . .	29.644	29.769
Thermometer attached.	34.8	39.1
" external No. 2.	29.9	35.2
" " No. 3.		
" " No. 4.	29.5	34.9
" Maximum .	51.7	
" " (Set) .	30.0	
" Minimum .	26.1	
" " (Set) .	28.5	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	30.7	36.0
" Wet " . . .	26.5	31.7
Rain gauge C . . .	4 3/4 ounces 0.419 inches	
Wind, force & direction.	9e W	11e W
Clouds, amount & kind.	10 Pi a little snow	5 Fm M

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	27.9	35.6	29.8
" No. 3 .			
" No. 4 .	27.1	35.4	29.0

8 P.M. Zodiacal light, hardly reaching the Milky Way. It does not seem to extend farther along the zodiac than it did last month or even early in the winter.

69

72

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MARCH, 23 1876.

Inerwid 30.12 30.08

	10 A. M.	4 P. M.	
Barometer	30.064	30.010	At 8 A.M. Dry 28.6 Wet 27.0 No.4 27.2
Thermometer attached.	30.7	37.3	
" external No. 2.	31.7	37.0	
" " No. 3.			
" " No. 4.	31.1	36.5	
" Maximum	36.2		8 P.M. Zodiacal light as yesterday.
" " (Set)	31.4		
" Minimum	23.1		
" " (Set)	30.6		
" Solar max.			
" " (Set)			
Dry bulb	32.3	37.6	44
" Wet "	25.4	28.8	35
Rain gauge C	0		
Wind, force & direction.	4 W	6 NW	
Clouds, amount & kind.	5 Ri Fm	8 Ri Ri Fm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	26.7	36.1	30.0
" No. 3			
" No. 4	25.5	36.2	29.1

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1876phae.proj..375.

MARCH, 24 1876.

Aneroid 30.24 30.23

	10 A. M.	4 P. M.	
Barometer	30.177	30.172	
Thermometer attached.	33.0	39.1	
" external No. 2.	36.8	40.2	
" " No. 3.			
" " No. 4.	36.1	39.6	
" Maximum	36.2		
" " (Set)	36.2		
" Minimum	23.9		
" " (Set)	35.7		
" Solar max.			
" " (Set)			
" Dry bulb	37.4	41.0	51
" Wet "	30.5	31.6	34
Rain gauge C	0		
Wind, force & direction.	3 W	2 W	
Clouds, amount & kind.	1 Fm	2 N Fm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	27.3	39.7	31.5
" No. 3			
" No. 4	26.4	39.5	30.8

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MARCH, 25 1876.

Aneroid 30.21 30.03

	10 A. M.	4 P. M.	
Barometer	30.149	29.947	
Thermometer attached.	36.7	37.3	
" external No. 2.	33.9	34.0	
" " No. 3.			
" " No. 4.	33.1	33.5	
" Maximum	40.4		
" " (Set)	34.0		
" Minimum	not recorded		
" " (Set)	32.6		
" Solar max.			
" " (Set)			
Dry bulb	34.4	34.7	93
" Wet "	32.2	33.0	98
Rain gauge C	0 5/8 ounces × 0.055 inches		× At 10½ A.M.
Wind, force & direction.	6 NE	7 E	
Clouds, amount & kind.	10 Pt. moving	10 Pm raining	At 5½ P.M. gauge C 5¼ ounces 0.463 inches

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	33.9	33.9	40.1
" No. 3			
" No. 4	33.3	33.2	39.9

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MARCH, 26 1876.

Aneroid 29.58

	10 A. M.	4 P. M.
Barometer	29.503	
Thermometer attached.	41.0	
" external No. 2.	47.8	
" " No. 3.		
" " No. 4.	47.8	
" Maximum	47.4	
" " (Set)	46.3	
" Minimum	32.8	
" " (Set)	46.6	
" Solar max.		
" " (Set)		
" Dry bulb	48,8	
" Wet "	46.9	
Rain gauge C	×21/8 inches 1.897 inches	
Wind, force & direction.	2 SW	
Clouds, amount & kind.	10 Pm	

	7.30 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	45.3	51.1	43.0
" No. 3			
" No. 4	45.2	51.0	42.5

95

× At 5½ P.M. March 25 gauge C 0.463 inches.
At 10 A.M. March 26 } 1.897 "
Total 2.360.

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MARCH, 27 1876.

Aneroid 29.70 29.80

	10 A. M.	4 P. M.	
Barometer	29.635	29.736	
Thermometer attached.	43.7	48.3	
" external No. 2.	41.9	42.8	
" " No. 3.			
" " No. 4.	41.7	42.4	
" Maximum	50.8		
" " (Set)	41.6		
" Minimum	37.7		
" " (Set)	40.8		
" Solar max.			
" " (Set)			
Dry bulb	42.7	43.4	60
" Wet "	36.7	36.9	56
Rain gauge C	0		
Wind, force & direction.	5 W	7 W	
Clouds, amount & kind.	10 Cu Fm	4 Cu Fm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	39.0	44.8	36.7
" No. 3			
" No. 4	38.3	44.7	36.0

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MARCH, 28 1876.

Amrid 29.98 29.92

	10 A. M.	4 P. M.	
Barometer	29.904	29.848	
Thermometer attached.	37.2	45.0	
" external No. 2.	38.0	44.0	
" " No. 3.			
" " No. 4.	37.4	43.6	
" Maximum	45.4		
" " (Set)	38.0		
" Minimum	29.3		
" " (Set)	36.9		
" Solar max.			
" " (Set)			
" Dry bulb	38.8	43.8	49
" Wet "	31.8	36.0	47
Rain gauge C	0		
Wind, force & direction.	4 NW	6 E	
Clouds, amount & kind.	1 Pi Ri 7m	10 Pm 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		47.6	38.1
" No. 3			
" No. 4		47.6	37.4

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MARCH, 29 1876.

Arenid 29.26 29.33

	10 A. M.	4 P. M.	
Barometer	29.200	29.270	
Thermometer attached.	44.9	50.5	
" external No. 2.	52.9	53.9	
" " No. 3.			
" " No. 4.	53.4	53.8	
" Maximum .	52.9		
" " (Set) .	50.6		
" Minimum .	35.4		
" " (Set) .	52.9		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	54.8	54.7	71
" Wet " . . .	49.1	44.3	42
Rain gauge C	11 7/8 inches 1.047 inches.		
Wind, force & direction.	6 e W	10 e SW	
Clouds, amount & kind.	5 M Fm	10 Cm M Fm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	49.6	55.4	39.0
" No. 3 .			
" No. 4 .	49.1	55.7	38.4

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MARCH, 30 1876.

Aneroid 29.58 29.52

	10 A. M.	4 P. M.	
Barometer . . .	29.523	29.470	
Thermometer attached.	39.5	43.0	
" external No. 2.	41.9	40.0	
" " No. 3.			
" " No. 4.	41.3	40.1	
" Maximum .	56.1		
" " (Set) .	41.3		
" Minimum .	28.4		
" " (Set) .	40.6		
" Solar max. .			
" " (Set) .			
' Dry bulb . .	42.6	40.2	38
" Wet " . . .	34.0	34.9	64
Rain gauge C . . .	0		
Wind, force & direction.	11 S	8 W	
Clouds, amount & kind.	10 Pm 7m	10 R. moving	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	31.2	42.0	31.5
" No. 3 .			
" No. 4 .	30.3	41.8	32.0

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MARCH, 31 1876.

Aneroid 29.80

	10 A. M.	4 P. M.	
Barometer	29.735	29.769	
Thermometer attached.	37.3	45.1	
" external No. 2.	38.0	46.2	
" " No. 3.			
" " No. 4.	37.4	45.8	
" Maximum .	43.0		
" " (Set) .	37.5		
" Minimum .	28.9		
" " (Set) .	36.7		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	38,6	47.1	46
" Wet " . . .	30,9	38.5	45
Rain gauge C . . .	0 4 vanes 0.022 inches		
Wind, force & direction.	6 e W	6 e NW	
Clouds, amount & kind.	1 M Fm	8 M Fm Ns	

	7 A. M.	2 P. M.	8 P. M.
Thermometer No. 2 .		46,4	41.4
" No. 3 .			
" No. 4 .		46.0	40.9

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APRIL, 1 1876.

Aneroid 30.11

	10 A. M.	4 P. M.	
Barometer	29.970	30.058	
Thermometer attached.	41.0	42.8	
" external No. 2.	37.6	39.3	
" " No. 3.			
" " No. 4.	37.2	38.9	
" Maximum	46.3		
" " (Set)	37.5		
" Minimum	33.9		
" " (Set)	36.4		
" Solar max.			
" " (Set)			
" Dry bulb	38.4	40.0	49
" Wet "	31.1	32.1	41
Rain gauge C	0		
Wind, force & direction.	9e NW	6e NW	
Clouds, amount & kind.	10 Pm Nf 7m	10 Pm 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	37.0	38.6	34.3
" No. 3			
" No. 4	36.5	38.3	33.9

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APRIL, 2 1876.

Arevid 30.43 30.35

	10 A. M.	3 2/3 P. M.	
Barometer	30.386	30.291	
Thermometer attached.	37.0	45.4	
" external No. 2.	39.6	49.7	
" " No. 3.			
" " No. 4.	38.9	49.1	
" Maximum	40.8		
" " (Set)	39.0		
" Minimum	28.0		
" " (Set)	38.3		
" Solar max.			
" " (Set)			
" Dry bulb	40.2	50.2	38
" Wet "	31.9	38.3	27
Rain gauge C	0		
Wind, force & direction.	3 NW	4 NW	
Clouds, amount & kind.	0	0	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	32.0	47.4	40.0
" No. 3			
" No. 4	31.3	46.9	39.0

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APRIL, 3 1876.

Arnold 30.20 30.12

	10 A. M.	4 P. M.	
Barometer . . .	30.126	30.038	
Thermometer attached.	40.0	42.5	
" external No. 2.	40.6	40.4	
" " No. 3.			
" " No. 4.	40.4	40.2	
" Maximum .	49.4		
" " (Set) .	40.2		
" Minimum .	30.7		
" " (Set) .	39.4		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	41.4	40.6	56
" Wet " . . .	35.2	38.0	84
Rain gauge C . . .	0		
Wind, force & direction.	4 SW	1 S	
Clouds, amount & kind.	10 Cu Pm	10 Pm fine rain; mist	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	35.6	45.0	37.0
" No. 3 .			
" No. 4 .	35.2	45.4	36.4

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APRIL, 4 1876.

Aneroid 29.80 29.65

	10 A. M.	4 P. M.	
Barometer	29.733	29.589	
Thermometer attached.	41.0	41.3	
" external No. 2.	37.7	33.7	
" " No. 3.			
" " No. 4.	37.0	33.0	
" Maximum .	47.3		
" " (Set) .	37.0		
" Minimum .	34.9		
" " (Set) .	36.8		
" Solar max. .			
" " (Set) .			
Dry bulb . .	38.1	34.5	97
" Wet " . . .	36.3	32.6	96
Rain gauge C . . .	16½ ounces 1.456 inches		
Wind, force & direction.	11 NE	10 N	
Clouds, amount & kind.	10 Cu. raining	10 Cu. snowing	

At 5 P.M. 9 ounces of water in bottle of gauge C. Rainfall 0.793 inches. Some snow in funnel of gauge, not weighed.

	7 A. M.	2 P. M.	9 P. M.	
Thermometer No. 2 .	37.8	36.6	31.7	Snow on bulb
" No. 3 .				
" No. 4 .	37.2	36.1	31.3	Frost " "

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APRIL, 5 1876.

Aneroid 29.91 29.95

	10 A. M.	4 P. M.	
Barometer	29.842	29.878	At 11 A.M. Snow measured in 16 places: 6, 8¾, 6½, 7, 6, 8½, 7½, 8, 8, 6 inches: mean 7.22 inches. 12 inches of this snow in cylinder 1.8 inches across weigh 4 ounces. Hence rainfall to 1 inch of snow 0.227 inches; total rainfall 1.640 inches due to snow. Rain yesterday after 10 A.M. 0.793 inches Total 2.433 "
Thermometer attached.	37.2	39.2	
" external No. 2.	33.8	36.1	
" " No. 3.			
" " No. 4.	32.8	36.1	
" Maximum	37.3		
" " (Set)	32.6		
" Minimum	29.4		
" " (Set)	32.4		
" Solar max.			
" " (Set)			
" Dry bulb	34.8	37.0	95
" Wet "	32.8	33.4	79
Rain gauge C	See snow measures; gauge emptied without examination		
Wind, force & direction.	11 c N	10 c N	
Clouds, amount & kind.	10 Pn a little snow	10 Pn	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	32.3	37.0	33.2
" No. 3			
" No. 4	31.5	36.9	32.8

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APRIL, 6 1876.

Aneroid 29.96 29.92

	10 A. M.	4 P. M.	
Barometer	29.899	29.848	
Thermometer attached.	38.9	45.2	
" external No. 2.	41.1	45.0	
" " No. 3.			
" " No. 4.	40.9	44.7	
" Maximum .	40.2		
" " (Set) .	40.3		
" Minimum .	32.0		
" " (Set) .	40.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	42.1	45.6	67
" Wet " . . .	37.0	35.7	33
Rain gauge C . . .	0		
Wind, force & direction.	5c S	9c W	
Clouds, amount & kind.	0 Fm	1 Pm M 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	34.7	45.3	40.2
" No. 3 .			
" No. 4 .	34.2	44.9	39.5

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APRIL, 7 1876.

Aneroid 29.93 / 29.70

	10 A. M.	4 P. M.	
Barometer . . .	29.856	29.620	
Thermometer attached.	40.7	46.9	
" external No. 2.	46.2	50.0	
" " No. 3.			
" " No. 4.	46.1	49.8	
" Maximum .	46.0		
" " (Set) .	45.7		
" Minimum .	30.1		
" " (Set) .	45.1		
" Solar max. .			
" " (Set) .			
Dry bulb . .	47.0	50.6	45
" Wet " . . .	38.5	40.0	36
Rain gauge C . . .	0		
Wind, force & direction.	5° SW	10° SW	
Clouds, amount & kind.	9 R Rs	10 R	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	34.7	52.6	39.0
" No. 3 .			
" No. 4 .	33.9	52.3	38.4

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APRIL, 8 1876.

Aneroid 29.80 29.82

	10 A. M.	4 P. M.	
Barometer . . .	29.743	29.750	
Thermometer attached.	39.7	42.5	
" external No. 2.	36.9	41.0	
" " No. 3.			
" " No. 4.	36.5	40.5	
" Maximum .	52.4		
" " (Set) .	37.0		
" Minimum .	33.6		
" " (Set) .	35.8		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	37.5	42.7	49
" Wet " . . .	30.4	31.9	22
Rain gauge C . . .	0 of inches 0.033 inches		
Wind, force & direction.	13 NW	11 NW	
Clouds, amount & kind.	1 Cu 7 m Ro	0 Rs M 7 m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	35.6	40.0	31.9
" No. 3 .			
" No. 4 .	35.0	39.8	31.3

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APRIL, 9 1876.

Aneroid 29.84

	10 A. M.	4 P. M.	
Barometer . . .	29.843	29.832	
Thermometer attached.	34.4	40.9	
" external No. 2.	31.9	39.4	
" " No. 3.			
" " No. 4.	31.4	38.9	
" Maximum .	40.5		
" " (Set) .	32.0		
" Minimum .	24.1		
" " (Set) .	30.9		
" Solar max. .			
" " (Set) .			
' Dry bulb . .	32.8	40.0	46
" Wet " . . .	26.1	31.5	38
Rain gauge C . . .	0		
Wind, force & direction.	9 c NW	15 c W	
Clouds, amount & kind.	0 Rs	0 Rs	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	26.9	38.8	35.0
" No. 3 .			
" No. 4 .	26.4	38.3	34.5

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APRIL, 10 1876.

Aneroid 29.97 29.975

	10 A. M.	4 P. M.	At 9¼ A.M. Dry 39.1 Wet 37.6 No 4380
Barometer . . .	29.900	29.906	
Thermometer attached.	37.3	43.6	
" external No. 2.	39.9	46.4	
" " No. 3.			
" " No. 4.	39.4	46.0	
" Maximum .	40.0		
" " (Set) .	39.7		
" Minimum .	30.2		
" " (Set) .	38.8		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	40.7	47.0	43
" Wet " . . .	32.9	37.6	39
Rain gauge C . . .	0		
Wind, force & direction.	10 NW	9 NW	
Clouds, amount & kind.	0 Rs.	0 M from Rs	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	33.8	45.7	39.0
" No. 3 .			
" No. 4 .	33.3	45.1	38.3

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APRIL, 11 1876.

Aneroid 30.07 30.06

	10 A. M.	4 P. M.	
Barometer . . .	29.994	29.987	
Thermometer attached.	40.8	47.4	8 to 9 P.M.
" external No. 2.	49.2	53.4	Zodiacal light
" " No. 3.			rather bright,
" " No. 4.	48.7	53.1	not apparently
" Maximum .	49.0		crossing the
" " (Set) .	48.9		Milky Way
" Minimum .	33.8		
" " (Set) .	48.2		
" Solar max. .			
" " (Set) .			
' Dry bulb . .	~~50.2~~	54.1	42
" Wet " . . .	40.6	42.3	33
Rain gauge C . . .	0		
Wind, force & direction.	7c NW	6c NW	
Clouds, amount & kind.	1 Rs	2 Rs	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	38.8	53.9	46.2
" No. 3 .			
" No. 4 .	37.9	53.5	45.5

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APRIL, 12 1876.

Aneroid 30.01 29.98

	10 A. M.	4 P. M.	
Barometer . . .	29.953	29.913	At 7 A.M. Dry 46.2 Wet 38.4
Thermometer attached.	45.0	53.4	
" external No. 2.	55.0	61.3	Evening rather hazy. Zodiacal light not noticeable.
" " No. 3.			
" " No. 4.	54.4	61.2	
" Maximum .	54.6		
" " (Set) .	54.0		
" Minimum .	34.5		
" " (Set) .	54.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	56.0	62.1	35
" Wet " . . .	44.1	45.5	19
Rain gauge C . . .	0		
Wind, force & direction.	2 W	6 NW	
Clouds, amount & kind.	0 haze	4 RRS fm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	39.4	61.9	51.6
" No. 3 .			
" No. 4 .	38.4	61.8	50.9

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APRIL, 13 1876.

Aneroid 29.98 29.86

	10 A. M.	4 P. M.	
Barometer	29.908	29.784	
Thermometer attached.	46.5	52.3	
" external No. 2.	51.9	61.0	
" " No. 3.			
" " No. 4.	51.5	61.0	
" Maximum	61.8		
" " (Set)	51.5		
" Minimum	35.1		
" " (Set)	51.0		
" Solar max.			
" " (Set)			
" Dry bulb	52.8	62.0	39
" Wet "	42.3	50.9	46
Rain gauge C	0		
Wind, force & direction.	4 SE	4 S	
Clouds, amount & kind.	5 Cs haze	10 Pm Fm haze	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	39.2	55.2	39.1
" No. 3			
" No. 4	38.7	54.9	38.8

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APRIL, 14 1876.

Amend 29.65 29.60

	10 A. M.	4 P. M.	
Barometer	29.593	29.526	
Thermometer attached.	53.0	56.8	
" external No. 2.	65.4	65.5	
" " No. 3.			
" " No. 4.	65.4	65.5	
" Maximum .	64.8		
" " (Set) .	64.1		yw
" Minimum .	46.2		
" " (Set) .	64.9		
" Solar max. .			
" " (Set) .			
' Dry bulb . .	66.8	65.7	66
" Wet " . . .	59.2	62.0	86
Rain gauge C . . .	0 & drops 0.011 inches		
Wind, force & direction.	2 c W	1 c S	
Clouds, amount & kind.	7 Rs Fm	10 Rs Fm a little rain	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	57-7	72.8	57-8
" No. 3 .			
" No. 4 .	50-9	72.3	57-9

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APRIL, 15 1876.

Aneroid 29.64 29.66

	10 A. M.	4 P. M.	
Barometer . . .	29.575	29.608	
Thermometer attached.	54.0	56.9	
" external No. 2.	53.0	54.2	
" " No. 3.			
" " No. 4.	52.6	54.4	
" Maximum .	73.0		
" " (Set) .	52.7		
" Minimum .	47.2		
" " (Set) .	52.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	54.0	55.0	33
" Wet " . . .	42.2	43.6	37
Rain gauge C . . .	0½ ounces 0.044 inches		
Wind, force & direction.	9 W	13 W	
Clouds, amount & kind.	5 R Rm M 7m	9 Rm M 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	49-9	58.0	46-1
" No. 3 .			
" No. 4 .	50.	58.0	44.8

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APRIL, 16 1876.

Aneroid 29.57 29.58

	10 A. M.	4 P. M.	
Barometer	29.520	29.517	
Thermometer attached.	49.2	52.7	
" external No. 2.	57.8	46.0	
" " No. 3.			
" " No. 4.	57.9	46.1	
" Maximum	60.4		
" " (Set)	56.0		Showers 1 to 4 P.M. with hail about 3 P.M.
" Minimum	37.3		
" " (Set)	56.9		
" Solar max.			
" " (Set)			
Dry bulb	58.6	47.0	47
" Wet "	48.5	44.4	89
Rain gauge C	0		
Wind, force & direction.	10 S	3 W	
Clouds, amount & kind.	10 Cu Sm	10 Cu Sm 7m Cs	

	7¾ A. M.	2 P. M.	9 P. M.
Thermometer No. 2	51.7	52.0	43.2
" No. 3			
" No. 4	51.5	51.9	42.3

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APRIL, 17 1876.

Aneroid 29.79 / 29.82

	10 A. M.	4 P. M.	
Barometer . . .	29.740	29.769	
Thermometer attached.	46.8	51.8	
" external No. 2.	48.7	51.5	
" " No. 3.			
" " No. 4.	48.1	51.4	
" Maximum .	61.4		
" " (Set) .	48.4		
" Minimum .	37.0		
" " (Set) .	47.7		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	49.6	52.3	45
" Wet " . . .	40.6	40.7	32
Rain gauge C . . .	$2\frac{3}{4}$ inches 0.243 inches		
Wind, force & direction.	4 NW	4 W	
Clouds, amount & kind.	3 M Fm	8 Fm M Pm	

	7¼ A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	41.6	52.1	41.2
" No. 3 .			
" No. 4 .	40.8	51.9	41.4

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APRIL, 18 1876.

	10 A. M.	4 P. M.	
Barometer . . .	29.941	29.949	
Thermometer attached.	43.5	50.4	
" external No. 2.	44.5	48.2	
" " No. 3.			
" " No. 4.	44.2	48.0	
" Maximum .	52.9		
" " (Set) .	44.9		
" Minimum .	33.1		
" " (Set) .	43.3		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	45.2	49.0	35
" Wet " . . .	35.7	38.6	35
Rain gauge C . . .	0		
Wind, force & direction.	6 W	5 W	
Clouds, amount & kind.	5 M Fm	10 Pm Fm M	

	7½ A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	40.0	47.8	41.4
" No. 3 .			
" No. 4 .	39.1	47.7	41.0

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APRIL, 19 1876.

	10 A. M.	4 P. M.	
Barometer . . .	30.072	30.044	
Thermometer attached.	45.8	48.8	
" external No. 2.	43.3	44.0	
" " No. 3.			
" " No. 4.	43.6	43.8	
" Maximum .	48.6		
" " (Set) .	43.3		
" Minimum .	36.2		
" " (Set) .	42.0		
" Solar max. .			
" " (Set) .			
' Dry bulb . .	44.0	44.8	~~68~~ 44
" Wet " . . .	35.8	35.3	35
Rain gauge C . . .	0		
Wind, force & direction.	4c W	6 NW	
Clouds, amount & kind.	10 Pm M Fm	10 Pm M Fm	

	7 A. M.	3¼ P. M.	9 P. M.
Thermometer No. 2 .	37.8	44.7	40.7
" No. 3 .			
" No. 4 .	37.2	44.5	40.0

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APRIL, 20 1876.

	10 A. M.	4¼ P. M.	
Barometer	30.140	30.050	
Thermometer attached.	43.4	50.9	
" external No. 2.	47.4	55.1	
" " No. 3.			
" " No. 4.	47.0	55.0	
" Maximum	46.9		
" " (Set)	46.8		
" Minimum	31.8		
" " (Set)	46.2		
" Solar max.			
" " (Set)			
" Dry bulb	48.0	55.9	29
" Wet "	37.0	42.8	28
Rain gauge C	0		
Wind, force & direction.	6e W	3e SW	
Clouds, amount & kind.	0 M Fm	0 Rs	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	39.7	54.6	48.0
" No. 3			
" No. 4	38.7	54.0	47.2

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APRIL, 21 1876.

	10 A. M.	4 P. M.	
Barometer . . .	29.754	29.818	
Thermometer attached.	48.7	53.0	
" external No. 2.	51.0	53.7	
" " No. 3.			
" " No. 4.	51.0	53.4	
" Maximum .	55,0		
" " (Set) .	50.6		
" Minimum .	41.4		
" " (Set) .	50.0		
" Solar max. .			
" " (Set) .			
' Dry bulb . .	52,0	54,4	64
" Wet " . . .	45.5	42.8	35
Rain gauge C . . .	0 1/8 ounces (0.07 inches)		
Wind, force & direction.	6 W	20 W	
Clouds, amount & kind.	9 Pm N 7m	9 Pm N 7m	

	7 A. M. 30	2 P. M.	10 P. M.
Thermometer No. 2 .	44.1	54.3	42.1
" No. 3 .			
" No. 4 .	43.9	54.2	41.9

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APRIL, 22 1876.

	10 A. M.	4 P. M.	
Barometer	30.075	30.028	
Thermometer attached.	46.0	54.0	
" external No. 2.	52.2	58.9	
" " No. 3.			
" " No. 4.	51.9	58.7	
" Maximum .	55.5		
" " (Set) .	52.2		
" Minimum .	36.0		
" " (Set) .	51.2		
" Solar max. .			
" " (Set) .			
Dry bulb . .	53.4	59.8	39
" Wet " . . .	42.8	46.2	31
Rain gauge C . . .	0		
Wind, force & direction.	5c NW	3c W	
Clouds, amount & kind.	1 N fm	6 N fm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	40.9	58.5	50.2
" No. 3 .			
" No. 4 .	40.1	58.5	50

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APRIL, 23 1876.

	10 A. M.	4 P. M.	
Barometer . . .	29.952	29.928	
Thermometer attached.	48.6	49.8	
" external No. 2.	45.6	49.7	
" " No. 3.			4 P.M. The
" " No. 4.	45.4	49.5	Scale of the wet
" Maximum .	59.7		bulb thermometer
" " (Set) .	45.1		appears to be
" Minimum .	41.0		considerably warped.
" " (Set) .	44.5		
" Solar max. .			
" " (Set) .			
Dry bulb . .	46.5	50.4	80
" Wet " . . .	42.7	44.0	64
Rain gauge C . . .	1 mm = 0.088 inches		
Wind, force & direction.	1 SE	8 NW	
Clouds, amount & kind.	10 Pm	10 Pm N 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	43	48.0	42
" No. 3 .			
" No. 4 .	42.9	47.9	41.8

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APRIL, 24 1876.

	10 A. M.	4 P. M.	
Barometer	30.112	30.130	
Thermometer attached.	45.0	52.2	
" external No. 2.	48.1	46.1	
" " No. 3.			
" " No. 4.	48.3	45.1	
" Maximum .	49,1		
" " (Set) .	48.2		
" Minimum .	33.1		
" " (Set) .	47.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	49,8	46,6	71
" Wet " . . .	44.6	38.8	50
Rain gauge C . . .	0		
Wind, force & direction.	1 SE	5 E	
Clouds, amount & kind.	7 haze Mtns	9 Pt Rs	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	37.2	46.2	43,9
" No. 3 .			
" No. 4 .	37.	45.7	42.3

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APRIL, 25 1876.

	10 A. M.	4 P. M.	
Barometer . . .	30.214	30.196	
Thermometer attached.	48.8	50.5	
" external No. 2.	43.5	41.5	
" " No. 3.			
" " No. 4.	42.9	40.7	
" Maximum .	50.1		
" " (Set) .	43.2		
" Minimum .	37.8		
" " (Set) .	42.2		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	43.7	41.8	46
" Wet " . . .	35.9	34.1	44
Rain gauge C . . .	0		
Wind, force & direction.	7 E	8 E	
Clouds, amount & kind.	9 Cm Cs N 7m	10 Cm Cs Cm 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	41.3	41.1	37.0
" No. 3 .			
" No. 4 .	41 —	40.5	36.6

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APRIL, 26 1876.

	10 A. M.	4 P. M.	
Barometer	30.054	29.986	
Thermometer attached.	42.5	46.6	
" external No. 2.	42.4	45.9	
" " No. 3.			
" " No. 4.	42.1	45.6	
" Maximum .	43.8		
" " (Set) .	42.0		
" Minimum .	33.9		
" " (Set) .	41.2		
" Solar max. .			
" " (Set) .			
Dry bulb . .	43.9	46.5	18
" Wet " . . .	32.3	36.1	31
Rain gauge C . . .	0		
Wind, force & direction.	7 c N	7 c N	
Clouds, amount & kind.	10 Cu M	10 Cu Fm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	38.4	43.6	43.0
" No. 3 .			
" No. 4 .	38.2	43.0	42.4

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APRIL, 27 1876.

	10 A. M.	4 P. M.	
Barometer . . .	29.927	29.912	
Thermometer attached.	45.0	53.3	
" external No. 2.	54.0	51.8	
" " No. 3.			
" " No. 4.	53.7	51.2	
" Maximum .	53.9		
" " (Set) .	53.5		
" Minimum .	37.0		
" " (Set) .	53.1		
" Solar max. .			
" " (Set) .			
' Dry bulb . .	55.1	52.0	25
" Wet " . . .	41.6	40.4	31
Rain gauge C . . .	0		
Wind, force & direction.	6 NW	4 E	
Clouds, amount & kind.	0 Rs	3 RRs	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	46.9	55.4	43.4
" No. 3 .			
" No. 4 .	46.8	55.0	43.-

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APRIL, 28 1876.

	10 A. M.	4 P. M.	
Barometer	29.810	29.650	
Thermometer attached.	46.5	50.4	
" external No. 2.	53.6	56.7	
" " No. 3.			
" " No. 4.	53.5	56.8	
" Maximum .	59.6		
" " (Set) .	53.5		
" Minimum .	34.2		
" " (Set) .	53.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	54.4	57.2	46
" Wet " . . .	44.8	51.1	70
Rain gauge C . . .	0		
Wind, force & direction.	2e E	1e SE	
Clouds, amount & kind.	9 Ci Ns Rm	10 Rm raining	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	41.7	55.8	45.1
" No. 3 .			
" No. 4 .	40.8	55.9	45.3

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APRIL, 29 1876.

	10 A. M.	4 P. M.	
Barometer	29.832	29.838	
Thermometer attached.	48.3	56.5	
" external No. 2.	52.9	57.6	
" " No. 3.			
" " No. 4.	52.5	57.5	
" Maximum	58.0		
" " (Set)	52.7		
" Minimum	38.1		
" " (Set)	52.0		
" Solar max.			
" " (Set)			
" Dry bulb	53.8	58.2	18
" Wet "	39.4	42.3	17
Rain gauge C	0 7/8 ounces 0.077 inches		
Wind, force & direction.	8 c NW	1 c W	
Clouds, amount & kind.	0	0	

Showers following night

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	45.0	58.0	46.3
" No. 3			
" No. 4	44.0	57.8	46.0

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APRIL, 30 1876.

	10 A. M.	4 P. M.	
Barometer	29.616	29.550	2 P.M. Dampness of woodwork affects some thermometers.
Thermometer attached.	49.2	52.1	
" external No. 2.	49.9	52.0	
" " No. 3.			
" " No. 4.	51.2	52.1	
" Maximum	58.0		Occasional showers.
" " (Set)	48.3		
" Minimum	41.9		
" " (Set)	49.1		
" Solar max.			
" " (Set)			
" Dry bulb	51.3	53.0	72
" Wet "	46.0	42.7	41
Rain gauge C	2 ounces 0.11 inches		
Wind, force & direction.	3 W	9 NW	
Clouds, amount & kind.	10 Pm Nm	10 Pm Nm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	44.5	51.7	43.7
" No. 3			
" No. 4	44.0	54.0	42.9

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MAY, 1 1876.

	10 A. M.	4 P. M.			
Barometer . . .	29.550	29.605			
Thermometer attached.	45.8	49.9			
" external No. 2.	45.81	45.0			
" " No. 3.					
" " No. 4.	44.8	44.4			
" Maximum .	54.0				
" " (Set) .	45.0				
" Minimum .	36.3				
" " (Set) .	44.1				
" Solar max. .					
" " (Set) .					
Dry bulb . .	46.0	45.7	28	44.7	44.4
" Wet " . . .	35.3	36.2	36	35.8	36.7
				8.9	7.7
Rain gauge C . . .	$1\frac{5}{8}$ inches 0.143 inches				
Wind, force & direction.	15° NW	15° W			
Clouds, amount & kind.	2 M 7m	9 Pm M 7m Rs			

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	40.9	45.8	43.2
" No. 3 .			
" No. 4 .	40.1	45.4	41.8

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MAY, 2 1876.

	10 A. M.	4 P. M.			
Barometer . . .	29.788	29.898			
Thermometer attached.	48.0	53.6			
" external No. 2.	52,5	52.0			
" " No. 3.					
" " No. 4	52.1	51.6			
" Maximum .	52,3				
" " (Set) .	52.1				
" Minimum .	40.8				
" " (Set) .	51.3				
" Solar max. .					
" " (Set) .					
Dry bulb . .	53,4	52.4	35	52.2	51.2
" Wet " . . .	42.2	41.0	33	42.9	41.6
				9.3	9.6
Rain gauge C . . .	0				
Wind, force & direction.	13 NW	6 E			
Clouds, amount & kind.	2 Nm fm	9 Pm fm			

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	46.8	56.7	49.0
" No. 3 .			
" No. 4 .	46.2	56.7	48.4

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MAY, 3 1876.

	10 A. M.	4 P. M.
Barometer . . .	30.011	30.031
Thermometer attached.	52.9	53.8
" external No. 2.	48.7	41.3
" " No. 3.		
" " No. 4.	48.0	40.7
" Maximum .	57.7	
" " (Set) .	48.4	
" Minimum .	42.9	
" " (Set) .	47.5	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	49.0	41.8
" Wet " . . .	40.3	36.4
Rain gauge C . . .	0	
Wind, force & direction.	4° E	5° E
Clouds, amount & kind.	10 Pm M	10 Pm Fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	45.3	43.9	
" No. 3 .			
" No. 4 .	44.4	42.9	

At 9½ Att.
Dry 50.3 Wet 48.4 No.4 48.9

46 47.7 40.4
64 40.9 36.9
6.8 3.5

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MAY, 4 1876.

	10 A. M.	4 P. M.
Barometer	30.106	30.096
Thermometer attached.	46.7	55.0
" external No. 2.	49.0	47.9
" No. 3.		
" No. 4.	48.7	46.9
" Maximum	48.8	
" " (Set)	48.9	
" Minimum	32.1	
" " (Set)	47.8	
" Solar max.		
" " (Set)		
Dry bulb	50.2	48.5
" Wet "	41.9	40.9
Rain gauge C	0	
Wind, force & direction.	0 "SW	4 "E
Clouds, amount & kind.	1 M 7 m Rs	10 Fm

At 9 A.M.
Dry 46.0 Wet 44.7
No. 4 45.5

50	48.9	47.2	
53	42.6	41.5	
	6.3	5.7	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		50.4	45.0
" No. 3			
" No. 4		49.4	44.2

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MAY, 5 1876.

	10 A. M.	4 P. M.	At 9 A.M. Dry 50.0 Wet 48.4 No. 4 49.3
Barometer . . .		30.262	
Thermometer attached.		52.6	
" external No. 2.		50.0	
" " No. 3.			
" " No. 4.		49.4	
" Maximum .		54.7	
" " (Set) .		49.3	
" Minimum .		39.8	
" " (Set) .		48.3	
" Solar max. .			
" " (Set) .			
' Dry bulb . .		50.3	49.0
" Wet " . . .		46.1	46.8
Rain gauge C . . .		0 ounces 0.011 inches	2.2
Wind, force & direction.		3° E	
Clouds, amount & kind.		10 Pm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	46.4	51.8	47.0
" No. 3 .			
" No. 4 .	46.4	51.4	46.6

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MAY, 6 1876.

	10 A. M.	4 P. M.	
Barometer	30.118	30.057	
Thermometer attached.	49.8	52.4	
" external No. 2.	51.1	55.6	
" " No. 3.			
" " No. 4	50.9	55.9	
" Maximum	50.4		
" " (Set)	50.4		
" Minimum	42.0		
" " (Set)	50.1		
" Solar max.			
" " (Set)			
" Dry bulb	51.9	56.5	50.6 55.3
" Wet "	49.4	53.2	50.1 53.8
			0.5 1.5
Rain gauge C	1 trace 0.099 inches		
Wind, force & direction.	3 E	6 NW	
Clouds, amount & kind.	10 Pm a little rain	10 Pm	

	7.~~A.~~30 M.	2 P. M.	9 P. M.
Thermometer No. 2	47.5	59.2	51.8
" No. 3			
" No. 4	47.2	59.3	51.4

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MAY, 7 1876.

	10 A. M.	3½ P. M.	
Barometer . . .	29.974	29.798	
Thermometer attached.	53.1	59.8	
" external No. 2.	62.7	71.6	
" " No. 3.			
" " No. 4.	62.8	71.7	
" Maximum .	62.6		
" " (Set) .	62.0		
" Minimum .	48.0		
" " (Set) .	62.2		
" Solar max. .			Showers towards night, with a little thunder and lightning.
" " (Set) .			
' Dry bulb . .	64.1	73.1	63.1 72.3
" Wet " . . .	58.5	64.6	59.1 65.3
			4.0 7.0
Rain gauge C . . .	1 ounce 0.088 inches		
Wind, force & direction.	1 NW	3 E	
Clouds, amount & kind.	2 haze	4 Pt Rothaze	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	51.3	65.0	53.1
" No. 3 .			
" No. 4 .	51.3	64.7	52.2

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MAY, 8 1876.

	10 A. M.	4 P. M.	At 9 2/3 A. M. Dry 57.4 Wet 53.9 No. 4 56.4
Barometer	29.854	29.783	
Thermometer attached.	58.8	61.1	
" external No. 2.	55.7	54.0	
" " No. 3.			
" " No. 4.	55.4	53.6	
" Maximum	78.5		
" " (Set)	56.0		
" Minimum	50.1		
" " (Set)	55.2		
" Solar max.			
" " (Set)			
" Dry bulb	56.5	54.7	55.3 53.5
" Wet "	52.4	51.1	53.0 51.7
			2.3 1.8
Rain gauge C	0 1/8 ounces 0.077 inches		
Wind, force & direction.	5 E	5 E	
Clouds, amount & kind.	9 Pn M 7 m haze	10 Pm	

	7.40 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	54.1	56.6	48.9
" No. 3			
" No. 4	53.7	56.3	48.7

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MAY, 9 1876.

	10 A. M.	4 P. M.	
Barometer	29.790	29.781	
Thermometer attached.	54.7	56.0	
" external No. 2.	56.2	54.5	×2 P.M. Woodwork wet
" " No. 3.			
" " No. 4.	56.5	54.8	
" Maximum	57.9		
" " (Set)	55.1		
" Minimum	47.1		
" " (Set)	55.3		
" Solar max.			
" " (Set)			
" Dry bulb	57.4	55.6	56.3 54.4
" Wet "	55.6	53.4	56.2 54.0
			0.1 0.4
Rain gauge C	3¼ ounces v. 2.71 inches		
Wind, force & direction.	0 SE	4 N	
Clouds, amount & kind.	10 Pm	10 Pm raining	

	8 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	53.1	×55.0	51.3
" No. 3			
" No. 4	52.8	56.4	51.2

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MAY, 10 1876.

	10 A. M.	4 P. M.		
Barometer . . .	29.770	29.722		
Thermometer attached.	55.3	58.3		
" external No. 2.	56.0	58.0		
" " No. 3.				
" " No. 4.	56.7	57.6		
" Maximum .	56.2			
" " (Set) .	55.1			
" Minimum .	46.9			
" " (Set) .	55.6			
" Solar max. .				
" " (Set) .				
Dry bulb . .	57.4	58.4	56.3	57.3
" Wet " . . .	55.2	53.9	55.8	54.5
			0.5	2.8
Rain gauge C . . .	8 3/4 ounces 0.77 inches			
Wind, force & direction.	0 W	4 E		
Clouds, amount & kind.	10 Pm Sonnenschein	10 Pm M Fm Rs		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	52.0	65.5	52.3
" No. 3 .			
" No. 4 .	52.0	66.0	51.9

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MAY, 11 1876.

	10 A. M.	4 P. M.
Barometer . . .	29.730	29.879
Thermometer attached.	55.5	57.6
" external No. 2.	57.0	58.0
" " No. 3.		
" " No. 4.	56.8	57.9
" Maximum .	* 64.0	
" " (Set) .	56.7	
" Minimum .	47.8	
" " (Set) .	56.0	
" Solar max. .		
" " (Set) .		
' Dry bulb . .	58.1	58.9
" Wet " . . .	49.0	45.9
Rain gauge C . . .	0½ ounces 0.044 inches	
Wind, force & direction.	14c W	8c NW
Clouds, amount & kind.	9 Pm M 7m	10 Pm M 7m

At 9½ P. M.
Dry 57.6 Wet 56.1
No. 4 56.5

* Woodwork damp yesterday

8 to 9 P.M. No Zodiacal light visible; but sky hazy.

57.0 57.8
49.7 46.6
7.3 11.2

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	51.3	56.7	50.2
" No. 3 .			
" No. 4 .	51.0	56.3	49.5

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MAY, 12 1876.

	10 A. M.	4 P. M.		
Barometer	30.097	29.894		
Thermometer attached.	51.9	52.8		
" external No. 2.	51.4	46.9		
" " No. 3.				
" " No. 4.	51.5	46.1		
" Maximum .	58.6			
" " (Set) .	51.8			
" Minimum .	41.8			
" " (Set) .	50.3			
" Solar max. .				
" " (Set) .				
" Dry bulb . .	52.2	47.3	51.0	46.0
" Wet " . . .	46.8	44.9	47.5	45.6
			3.5	0.4
Rain gauge C . . .	During night 0.022 inches			
Wind, force & direction.	1 c S	3 c E		
Clouds, amount & kind.	10 Pm Fm raining	10 Pm fog & find rain		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	49.6	49.0	46.5
" No. 3 .			
" No. 4 .	48.0	48.3	46

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MAY, 13 1876.

	10 A. M.	4 P. M.
Barometer . . .	29.944	29.902
Thermometer attached.	50.5	57.6
" external No. 2.	56.6	60.3
" " No. 3.		
" " No. 4.	56.7	60.4
" Maximum .	56.2	
" " (Set) .	55.9	
" Minimum .	39.9	
" " (Set) .	55.6	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	57.7	61.1
" Wet " . . .	48.8	46.2
Rain gauge C . . .	0½ ounces 0.044 inches	
Wind, force & direction.	4 c NW	9 c W
Clouds, amount & kind.	7 Pl N fm hazy	5 N fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	46.7	59.8	47.8
" No. 3 .			
" No. 4 .	46.1	60.1	47.2

At 8 11/12 A. M.
Dry 55.4 Wet 54.0
No. 4 54.3

56.6 60.0
49.5 46.9
7.1 13.1

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MAY, 14 1876.

	10 A. M.	4 P. M.	At 3½ P.M. Dry 60.4 Wet 58.9 No. 4 59.4
Barometer	30.134	30.080	
Thermometer attached.	51.4	57.0	
" external No. 2.	55.4	59.3	
" " No. 3.			
" " No. 4.	55.4	59.4	
" Maximum	61.0		
" " (Set)	55.0		
" Minimum	42.2		
" " (Set)	54.3		
" Solar max.			
" " (Set)			
" Dry bulb	56.5	60.2	55.3 59.1
" Wet "	45.5	46.2	46.2 46.9
Rain gauge C	0		9.1 12.2
Wind, force & direction.	5 W	6 W	
Clouds, amount & kind.	6 N 7m	9 PtRs 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	49.5	58.9	52.1
" No. 3			
" No. 4	49.1	59.1	51.4

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MAY, 15 1876.

	10 A. M.	4 P. M.	At 9 2/3 A. M. Dry 55.3 Wet 52.7 No. 4 54.2
Barometer	30.238	30.196	
Thermometer attached.	52.5	55.4	
" external No. 2.	54.7	53.0	
" " No. 3.			
" " No. 4.	54.8	52.8	
" Maximum	59.0		
" " (Set)	54.3		
" Minimum	43.4		
" " (Set)	53.8		
" Solar max.			
" " (Set)			
" Dry bulb	55.6	53.7	54.4 52.5
" Wet "	45.9	46.2	46.6 46.9
Rain gauge C	0		7.8 5.6
Wind, force & direction.	2 S	2 E	
Clouds, amount & kind.	10 Pm	10 Pm; a few drops of rain	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	47.5	55.4	48.0
" No. 3			
" No. 4	47.0	55.3	47.4

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1876phae.proj..375.

MAY, 16 1876.

	10 A. M.	4 P. M.	At 9½ A.M., Dry 56.0 Wet 54.6 No. 4 552
Barometer	30.361	30.330	
Thermometer attached.	50.9	58.3	
" external No. 2.	55.9	57.8	
" " No. 3.			
" " No. 4.	56.0	57.4	
" Maximum	59.3		
" " (Set)	55.8		
" Minimum	37.1		
" " (Set)	55.2		
" Solar max.			
" " (Set)			
" Dry bulb	57.0	58.3	55.9 57.2
" Wet "	45.0	45.3	45.7 46.0
			10.2 11.2
Rain gauge C	0 & 0 mms 0.011 inches		
Wind, force & direction.	3 NE	2 E	
Clouds, amount & kind.	5 Cu Rs	4 Cu Rs haze	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	44.8	57.9	49.1
" No. 3			
" No. 4	44.3	57.4	48.3

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1876phae.proj..375.

MAY, 17 1876.

	10 A. M.	4 P. M.
Barometer	30.448	30.363
Thermometer attached.	52.9	58.5
" external No. 2.	61.6	58.1
" " No. 3.		
" " No. 4.	61.6	58.2
" Maximum	61.2	
" " (Set)	60.9	
" Minimum	39.2	
" " (Set)	61.0	
" Solar max.		
" " (Set)		
" Dry bulb	62.9	59.0
" Wet "	49.7	46.3
Rain gauge C	0	
Wind, force & direction.	3 S	6 S
Clouds, amount & kind.	1 haze Rs	6 Rm Rm Rs fm

At 8⅝ A. M.
Dry 60.0 Wet 58.5
No. 4 58.4

61.9 57.9
50.4 47.0
11.5 10.9

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	47.8	64.5	49.0
" No. 3			
" No. 4	47.2	64.8	48.1

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MAY, 18 1876.

	10 A. M.	4 P. M.
Barometer	30.108	29.999
Thermometer attached.	53.0	55.0
" external No. 2.	52.5	59.8
" " No. 3.		
" " No. 4.	52.7	60.3
" Maximum	64.1	
" " (Set)	51.2	
" Minimum	46.7	
" " (Set)	51.2	
" Solar max.		
" " (Set)		
Dry bulb	53.4	61.0
" Wet "	51.0	56.7
Rain gauge C	1 5/8 ounces 0.143 inches	
Wind, force & direction.	4 E S	5 E W
Clouds, amount & kind.	10 Cu Fm raining	10 Cu Fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	52.0	55.0	57.0
" No. 3			
" No. 4	51.6	55.0	56.2

At 9 A.M.
Dry 54.6 Wet 52.9
No. 4 53.6

Rain beginning about
9 1/2 A.M.

52.2 59.9
51.7 57.3
0.5 2.6

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1876phae.proj..375.

MAY, 19 1876.

	10 A. M.	4 P. M.	At 9½ A. M. Dry 65.5 Wet 63.9 No. 4 64.5
Barometer	30.022	30.001	
Thermometer attached.	56.4	62.1	
" external No. 2.	64.8	69.2	
" " No. 3.			
" " No. 4.	64.8	69.4	
" Maximum	64.3		
" " (Set)	64.0		
" Minimum	51.1		
" " (Set)	64.0		
" Solar max.			
" " (Set)			
" Dry bulb	65.8	70.1	64.8 69.3
" Wet "	53.3	54.7	53.9 55.3
Rain gauge C	2½ ounces 0.221 inches		10.9 14.0
Wind, force & direction.	9 NW	9 NW	
Clouds, amount & kind.	4 N 7m Rs	1 N 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	60.3	69.2	61.1
" No. 3			
" No. 4	59.6	69.4	60.8

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MAY, 20 1876.

	10 A. M.	4 P. M.	At 9½ A. M., Dry 64.5 Wet 63.1 No. 4637
Barometer	30.200	30.129	
Thermometer attached.	57.0	64.0	
" external No. 2.	63.0	62.2	
" " No. 3.			
" " No. 4.	63.2	62.1	
" Maximum	69.0		
" " (Set)	62.5		
" Minimum	48.0		
" " (Set)	62.4		
" Solar max.			
" " (Set)			
Dry bulb	64.2	63.0	63.2 62.0
" Wet "	52.0	51.1	52.6 51.8
			10.6 10.2
Rain gauge C	0		
Wind, force & direction.	3 E	5 E	
Clouds, amount & kind.	1 Rs haze	8 R Rs haze	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	57.2	62.2	57.0
" No. 3			
" No. 4	57.0	62.1	56.4

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MAY, 21 1876.

	10 A. M.	6½ P. M.
Barometer	29.982	29.847
Thermometer attached.	58.8	63.4
" external No. 2.	66.9	69.9
" " No. 3.		
" " No. 4.	67.8	70.7
" Maximum	66.4	
" " (Set)	65.7	
" Minimum	52.2	
" " (Set)	66.0	
" Solar max.		
" " (Set)		
" Dry bulb	68.0	70.7
" Wet "	60.2	63.3
Rain gauge C	0	
Wind, force & direction.	3 e S	3 e S
Clouds, amount & kind.	10 Pm	9 Pn thin

At 9½ A. M.
Dry 66.5 Wet 65.2
No. 4 66.4

Scale of dry bulb thermometer seems to be very slightly warped.
Appearance of wet bulb as last months.

68.1	69.9
60.8	63.9
7.3	6.0

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	58.0	68.9	60.5
" No. 3			
" No. 4	57.5	69.6	60.2

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MAY, 22 1876.

	10 A. M.	4 P. M.
Barometer	29.700	29.644
Thermometer attached.	65.8	70.0
" external No. 2.	79.0	80.7
" " No. 3.		
" " No. 4.	79.8	81.3
" Maximum	78.5	
" " (Set)	77.4	
" Minimum	56.1	
" " (Set)	78.3	
" Solar max.		
" " (Set)		
Dry bulb	81.3	81.3
" Wet "	69.6	70.2
Rain gauge C	0 7/8 cirrus 0.077 in	
Wind, force & direction.	4 W	12 SW
Clouds, amount & kind.	10 Pm Sm haze	7 M Sm Rs

At 9 7/12 A.M.
Dry 79.8 Wet 78.8
No. 4 78.8

79.7 80.8
70.4 71.1
9.3 9.7

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	70.2	82.0	65.6
" No. 3			
" No. 4	70.8	82.6	64.9

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MAY, 23 1876.

	10 A. M.	4 P. M.	At 9¾ A. M.
Barometer	30.074	30.081	Dry 46.8 Wet 45.1
Thermometer attached.	57.2	61.1	No. 4 45.8
" external No. 2.	46.8	58.0	
" " No. 3.			
" " No. 4.	46.8	57.9	
" Maximum	84.0		
" " (Set)	46.9		
" Minimum	40.1		
" " (Set)	45.6		
" Solar max.			
" " (Set)			
" Dry bulb	47.6	58.9	46.3 57.8
" Wet "	40.7	47.2	41.3 47.9
			5.0 9.9
Rain gauge C	10½ inches 0.894 inches		
Wind, force & direction.	8 NW	5 NW	
Clouds, amount & kind.	10 Pm 7m	0 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	42.8	55.6	50.4
" No. 3			
" No. 4	42.2	55.2	49.8

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MAY, 24 1876.

	10 A. M.	4 P. M.	
Barometer	30.181	30.076	At 8 5/6 A.M. Dry 58.1 Wet 57.0
Thermometer attached.	53.8	62.4	No. 4 57.6
" external No. 2.	60.7	63.0	
" " No. 3.			
" " No. 4.	60.7	63.0	
" Maximum	60.7		
" " (Set)	60.5		
" Minimum	39.7		
" " (Set)	54.9		
" Solar max.			
" " (Set)			
" Dry bulb	62.1	64.0	61.0 63.0
" Wet "	51.8	51.9	52.4 52.5
			8.6 10.5
Rain gauge C	0		
Wind, force & direction.	1 SW	4 E	
Clouds, amount & kind.	0	1 haze	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	48.1	66.0	57.8
" No. 3			
" No. 4	47.6	66.2	57.2

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MAY, 25 1876.

	10 A. M.	4 P. M.
Barometer	29.940	29.900
Thermometer attached.	64.1	69.0
" external No. 2.	71.9	73.4
" " No. 3.		
" " No. 4.	72.1	73.8
" Maximum	71.8	
" " (Set)	71.0	
" Minimum	52.2	
" " (Set)	71.2	
" Solar max.		
" " (Set)		
" Dry bulb	73.2	74.3
" Wet "	58.3	56.9
Rain gauge C	0	
Wind, force & direction.	5 c SW	7 c NW
Clouds, amount & kind.	4 Rs M 7m	7 N 7m

At 9 5/8 A.M.
Dry 57.7 Wet 56.1
No. 4 57.2

72.4 73.6
58.9 57.8
13.5 15.8

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	60.8	73.9	56.5
" No. 3			
" No. 4	60.4	74.5	56.1

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1876phae.proj..375.

MAY, 26 1876.

	10 A. M.	4 P. M.		
Barometer . . .	30.168	30.049		
Thermometer attached.	55.5	62.6		
" external No. 2.	57.9	60.0		
" " No. 3.				
" " No. 4.	57.7	59.8		
" Maximum .	76.2			
" " (Set) .	58.3			
" Minimum .	42.0			
" " (Set) .	57.1			
" Solar max. .				
" " (Set) .				
" Dry bulb . .	58.9	61.0	57.8	59.9
" Wet " . . .	46.9	49.4	47.6	50.1
			10.2	9.8
Rain gauge C . . .	0			
Wind, force & direction.	3 E	4 E		
Clouds, amount & kind.	0 haze Rs	1 haze		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	49	59.5	53
" No. 3 .			
" No. 4 .	48.6	59.0	52.5

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MAY, 27 1876.

	10 A. M.	4 P. M.	
Barometer	29.956	29.903	
Thermometer attached.	58.0	66.4	
" external No. 2.	72.5	80.0	Vane taken down before 10 A.M.
" " No. 3.			
" " No. 4.	73.0	80.9	
" Maximum .	72.1		
" " (Set) .	71.4		
" Minimum .	47.7		
" " (Set) .	71.8		
" Solar max. .			
" " (Set) .			
' Dry bulb . .	73.4	81.0	72.7 80.4
" Wet " . . .	61.2	62.4	61.8 63.0
Rain gauge C . . .	0		10.9 17.4
Wind, force & direction.	3 e SW	6 e SW	
Clouds, amount & kind.	0 haze	1 Mfm haze	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	58.4	80.9	67.0
" No. 3 .			
" No. 4 .	58.0	81.1	66.8

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MAY, 28 1876.

	10 A. M.	4 P. M.
Barometer	29.942	29.871
Thermometer attached.	63.1	69.2
" external No. 2.	76.5	81.9
" " No. 3.		
" " No. 4.	77.1	82.5
" Maximum	80.9	
" " (Set)	75.4	
" Minimum	58.3	
" " (Set)	75.7	
" Solar max.		
" " (Set)		
" Dry bulb	77.6	82.6
" Wet "	67.1	65.6
Rain gauge C	0	
Wind, force & direction.	3 SW	7 SW
Clouds, amount & kind.	2 haze 7m	2 N 7m haze

At 9 2/3 A.M.
Dry 76.2 Wet 75.2
No. 4 75.9

77.0	82.1
67.9	66.3
9.1	15.8

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	64.6	83.0	67.2
" No. 3			
" No. 4	64.8	83.4	67.0

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MAY, 29 1876.

	10 A. M.	4 P. M.
Barometer	29.798	29.725
Thermometer attached.	66.2	74.0
" external No. 2.	75.4	80.0
" " No. 3.		
" " No. 4.	75.8	81.2
" Maximum	× 78.0	
" " (Set)	74.8	
" Minimum	59.9	
" " (Set)	74.9	
" Solar max.		
" " (Set)		
" Dry bulb	76.9	81.0
" Wet "	66.2	65.9
Rain gauge C	0	
Wind, force & direction.	1 SW	6 SW
Clouds, amount & kind.	7 Pm Fm Haze	9 Pm Fm Haze

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	66.6	83.0	62.3
" No. 3			
" No. 4	66.9	83.6	62.1

At 7¾ A. M.
Dry 67.7 Wet 66.1
No. 4 67.1

× Error suspected, from yesterday's readings. Perhaps 83.0

76.2	80.5
66.9	66.6
9.3	13.9

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1876phae.proj..375.

MAY, 30 1876.

	10 A. M.	4 P. M.
Barometer	30.067	30.163
Thermometer attached.	58.2	64.8
" external No. 2.	56.7	55.0
" " No. 3.		
" " No. 4.	56.4	54.0
" Maximum	82.9	
" " (Set)	56.7	
" Minimum	47.1	
" " (Set)	55.7	
" Solar max.		
" " (Set)		
" Dry bulb	57.8	55.4
" Wet "	47.0	44.2
Rain gauge C	1½ ounces 0.132 inches	
Wind, force & direction.	6 c NE	6 c SE
Clouds, amount & kind.	4 Fm M	0 Rs haze

At 9 A. M.
Dry 56.0 Wet 54.8
No. 4 52.9

56.7 54.2
47.7 44.9
9.0 9.3

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	49.7	56.6	47.9
" No. 3			
" No. 4	49.3	55.4	46.5

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1876phae.proj..375.

MAY, 31 1876.

	10 A. M.	4 P. M.	At 9 5/8 A. M.
Barometer . . .	30.306	30.262	Dry 64.2 Wet 62.7
Thermometer attached.	55.0	63.0	No. 4 63.3
" external No. 2.	63.1	59.7	
" " No. 3.			
" " No. 4.	63.6	59.4	
" Maximum .	63.0		
" " (Set) .	62.7		
" Minimum .	39.5		
" " (Set) .	62.8		
" Solar max. .			
" " (Set) .			
' Dry bulb . .	64.3	60.5	63.3 59.4
" Wet " . . .	52.0	49.7	52.6 50.4
Rain gauge C . . .	0		10.7 9.0
Wind, force & direction.	4 SE	5 E	
Clouds, amount & kind.	O haze Rs 7m	O haze	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	50.7	58.8	51.9
" No. 3 .			
" No. 4 .	50.8	58.2	51.3

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1876phae.proj..375.

JUNE, 1 1876.

	10 A. M.	4 P. M.
Barometer . . .	30.114	30.034
Thermometer attached.	57.8	63.7
" external No. 2.	65.3	61.8
" " No. 3.		
" " No. 4.	65.6	61.6
" Maximum .	65.0	
" " (Set) .	64.7	
" Minimum .	41.0	
" " (Set) .	64.9	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	66.6	62.8
" Wet " . . .	57.2	48.2
Rain gauge C . . .	0	
Wind, force & direction.	3c E	5c E
Clouds, amount & kind.	2 haze	2 Pr Rs haze

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	57.1	61.0	50.5
" No. 3 .			
" No. 4 .	50.7	60.6	49.8

At 9½ A.M.
Dry 66.6 Wet 65.1
No. 4 65.6

65.7 61.8
54.8 48.9
10.9 12.9
45 32

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1876phae.proj..375.

JUNE, 2 1876.

	9 10 A. M.	4 P. M.
Barometer . . .	29.901	
Thermometer attached.	56.0	
" external No. 2.	59.6	
" " No. 3.		
" " No. 4.	60.3	
" Maximum .	65.4	
" " (Set) .	59.4	
" Minimum .	43.0	
" " (Set) .	59.2	
" Solar max. .		
" " (Set) .		
' Dry bulb . .	60.0	
" Wet " . . .	52.2	
Rain gauge C . . .	0	
Wind, force & direction.	2e E	
Clouds, amount & kind.	10 Pm haze	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	52.8		
" No. 3 .			
" No. 4 .	52.6		

At 8 7/12 A.M.
Dry 61.1 Wet 59.9
No. 4 60.2

June 3 8 5/12 A.M.
Dry 73.2 Wet. 72.2
No. 4 73.5

June 4 8 5/6 A.M.
Dry 73.1 Wet 71.0
No. 4 - 73.7

June 5 8 1/2 A.M.
Dry 52.9 Wet 50.6 No. 4 51.7

Record book mislaid June 2 to June 5.

58.9	64.3
52.8	59.1
6.1	5.2
64	72

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1876phae.proj..375.

JUNE, 3 1876.

	10 A. M.	4 P. M.
Barometer . . .		
Thermometer attached.		

1876	June 2		June 3		June 4		June 5	
	10 A.M.	4 P.M.	10 A.M.	4 P.M.	10 A.M.	4 P.M.	10 A.M.	4 P.M.
Barom.		29.850	29.811	29.792	29.855	29.871	29.846	29.832
Att. Th.		65.6	63.0	70.7	66.7	71.4	60.0	62.1
No. 2		64.6	77.0	83.7	73.9	63.0	53.4	62.5
No. 4		64.2	77.9	84.4	74.7	63.0	53.6	63.4
Max.			76.9	Primary and Secondary halo, noted at 9 P.M.	83.7		81.0	
" (set)			75.0		78.0		53.0	
Min.			51.6		61.1		47.9	
" (set)			76.2		73.3		52.3	
Dry		65.3	78.2	84.3	75.0	63.3	54.5	63.7
Wet		58.5	67.7	72.2	69.8	57.7	51.8	58.9
Gauge C			0		1 5/8 inches		2 inches	
Wind		4° E	4° S	6° SE	0° S	6° E	0° W	0 calm
Clouds		1 Rs Fm haze	1 Rs Rm haze	3 Pm M Fm haze	10 Pm Fm	9 Pm Rs M	10 Pm raining	10 Pm fog
	7 A.M.	2 P.M. 9 P.M.	7 A.M.	2 P.M. 9 P.M.	7 A.M.	2 P.M. 9 P.M.	7 A.M.	2 P.M. 9 P.M.
No. 2		65.9 54.0	62.3	80.0 66.3	65.5	74.4 51.1	50.6	58.7
No. 4		65.4 53.6	62.5	80.3 66.4	66.1	74.8 51.0	50.2	59.2

	10 A. M.	4 P. M.		
Wind, force & direction.				
Clouds, amount & kind.			77.6	83.9
			68.5	73.1
			9.1	10.8
			60	58

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .			
" No. 3 .			
" No. 4 .			

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1876phae.proj..375.

JUNE, 4 1876.

	10 A. M.	4 P. M.
Barometer		
Thermometer attached.		
" external No. 2.		
" " No. 3.		
" " No. 4.		
" Maximum		
" " (Set)		
" Minimum		
" " (Set)		
" Solar max.		
" " (Set)		
" Dry bulb		
" Wet "		
Rain gauge C		
Wind, force & direction.		
Clouds, amount & kind.		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2			
" No. 3			
" No. 4			

See record on pages for June 2 & 3

74.3 62.3
70.6 58.3
3.7 4.0
82 77

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1876phae.proj..375.

JUNE, 5 1876.

	10 A. M.	4 P. M.
Barometer		
Thermometer attached.		
" external No. 2.		
" " No. 3.		
" " No. 4.		
" Maximum		
" " (Set)		
" Minimum		
" " (Set)		
" Solar max.		
" " (Set)		
" Dry bulb		53.3 62.7
" Wet "		52.4 59.5
Rain gauge (		0.9 3.2
Wind, force & direction.		94 82
Clouds, amount & kind.		

See record on pages for June 2 & 3

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2			57.6 *
" No. 3			
" No. 4			52.7 *

*Probably both 57 or 52.

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1876phae.proj..375.

JUNE, 6 1876.

	10 A. M.	4 P. M.	At 7½ A.M.
Barometer	29.893	29.910	Dry 60.8 Wet 59.2
Thermometer attached.	61.4	67.0	No. 4 60.8
" external No. 2.	67.1	62.7	
" " No. 3.			
" " No. 4.	67.8	62.7	
" Maximum	67.2		
" " (Set)	67.0		
" Minimum	52.4		
" " (Set)	66.5		
" Solar max.			
" " (Set)			
" Dry bulb	68.4	63.3	67.5 62.3
" Wet "	60.9	58.8	61.5 59.4
			6.0 2.9
Rain gauge C	1 3/8 ounces 0.121 inches		69 83
Wind, force & direction.	2c W	5c E	
Clouds, amount & kind.	7 Pm M fm Rs	10 Pm fm M	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	59	65.4	58.0
" No. 3			
" No. 4	59.2	65.2	57.8

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1876phae.proj..375

JUNE, 7 1876.

	10 A. M.	4 P. M.
Barometer	30.063	30.070
Thermometer attached.	62.1	67.7
" external No. 2.	67.1	72.7
" " No. 3.		
" " No. 4.	67.4	73.1
" Maximum	72.0	
" " (Set)	67.0	
" Minimum	54.0	
" " (Set)	66.5	
" Solar max.		
" " (Set)		
" Dry bulb	68.2	73.6
" Wet "	56.3	57.5
Rain gauge C	0	
Wind, force & direction.	8 NW	8 NW
Clouds, amount & kind.	0 haze 7m	6 M 7m

	7½ A. M.	2 P. M.	9 P. M.
Thermometer No. 2	61.7	71.9	61.4
" No. 3			
" No. 4	61.7	72.7	60.9

At 7¾ A.M.
Dry 63.2 Wet 61.8
No. 4 62.5

67.3	72.9
56.9	58.1
10.4	14.8
49	35

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1876phae.proj..375.

JUNE, 8 1876.

	10 A. M.	4 P. M.
Barometer	30.198	30.107
Thermometer attached.	63.0	68.7
" external No. 2.	58.6	70.0
" " No. 3.		
" " No. 4.	60.8	70.2
" Maximum	72.2	
" " (Set)	57.7	
" Minimum	50.0	
" " (Set)	59.0	
" Solar max.		
" " (Set)		
" Dry bulb	61.2	71.0
" Wet "	54.9	62.0
Rain gauge C	0 3/4 ounces 0.046 inches	
Wind, force & direction.	0 SE	5 NE
Clouds, amount & kind.	9 Rm M Fair	10 R Rm M Fair

	7 A. M.	2 P. M.	9 7/4 P. M.
Thermometer No. 2	57.5	68.6	67
" No. 3			
" No. 4	57.6	68.4	66.8

At 8½ Aug.
Dry 64.4 Wet 63.0
No. 4 63.8

Short shower about 9¼ P. M.

60.1 70.2
55.5 62.6
4.6 7.6
73 63

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1876phae.proj..375

JUNE, 9 1876.

	10 A. M.	4 P. M.
Barometer	30.101	30.054
Thermometer attached.	67.4	72.9
" external No. 2.	78.8	83.5
" " No. 3.		
" " No. 4.	79.2	83.8
" Maximum	78.3	
" " (Set)	76.9	
" Minimum	59.0	
" " (Set)	78.0	
" Solar max.		
" " (Set)		
Dry bulb	79.9	84.0
" Wet "	70.0	69.4
Rain gauge C		
Wind, force & direction.	9 es S	10 e SW
Clouds, amount & kind.	1 Rs Fm haze	1 RsN haze

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	69.6	85.4	68.7
" No. 3			
" No. 4	69.7	85.4	68.7

At 2½ P.M.
Dry 86.2 Wet 85.1
No. 4 85.4

Vane and anemometer mounted on West Wing between 10 A.M. & 4 P.M.

79.3	83.5
70.8	70.2
8.5	13.3
64	49

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1876phae.proj..375.

JUNE, 10 1876.

	10 A. M.	4 P. M.	
Barometer . . .	30.106	30.069	At 7½ A. M. Dry 67.5 Wet 65.8 No. 4 66.6
Thermometer attached.	68.2	75.0	
" external No. 2.	74.3	81.9	
" " No. 3.			Showers early
" " No. 4.	75.5	82.7	
" Maximum .	84.3 ×		× Tenth uncertain; may have been 84.8
" " (Set) .	72.1		
" Minimum .	61.8		
" " (Set) .	73.3		
" Solar max. .			
" " (Set) .			
' Dry bulb . .	76.0	83.7	75.3 83.2
" Wet " . . .	69.4	71.6	70.2 72.5
Rain gauge C . . .	0½ ounces 0.10 inches		5.1 10.7
Wind, force & direction.	4 W	4 SW	76 57
Clouds, amount & kind.	9 Pm 7m haze	9 Pm M 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	64.1	82.5	71.4
" No. 3 .			
" No. 4 .	65.6	82.9	71.3

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1876phae.proj..375

JUNE, 11 1876.

	10 A. M.	4 P. M.	At 9½ A. M.
Barometer	30.199	30.238	Dry 70 Wet 73.6
Thermometer attached.	71.0	73.5	Nantucket
" external No. 2.	73.6	65.8	
" " No. 3.			
" " No. 4.	74.4	65.2	
" Maximum	83.2		
" " (Set)	73.0		
" Minimum	63.4		
" " (Set)	73.0		
" Solar max.			
" " (Set)			
" Dry bulb	74.3	66.1	73.6 65.2
" Wet "	67.2	60.10	68.0 60.6
Rain gauge C	0		5.6 4.6
Wind, force & direction.	3 NE	5 E	74 75
Clouds, amount & kind.	6 Cu 7 m M Rs	10 Cu	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	67.1	65.6	58
" No. 3			
" No. 4	67.5	65.2	57.7

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1876phae.proj..375.

JUNE, 12 1876.

	10 A. M.	4 P. M.
Barometer	30.311	30.292
Thermometer attached.	65.6	66.2
" external No. 2.	59.4	60.0
" " No. 3.		
" " No. 4.	59.5	60.7
" Maximum	73.6	
" " (Set)	59.6	
" Minimum	55.2	
" " (Set)	58.6	
" Solar max.		
" " (Set)		
" Dry bulb	60.4	61.4
" Wet "	57.6	58.1
Rain gauge C	0 ¼ ounce 0.022 inches	
Wind, force & direction.	2 c NE	0 c E
Clouds, amount & kind.	10 Pm mist	10 Pm mist and rain

	7½ A. M.	2 P. M.	9 P. M.
Thermometer No. 2	58	59.2	57.
" No. 3			
" No. 4	57.9	59.7	57.1

At 9 A.M.
Dry 60.5 Wet 58.9
No. 4 59.6

59.3	60.3
58.2	58.7
1.1	1.6
94	90

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1876phae.proj..375

JUNE, 13 1876.

	10 A. M.	4 P. M.	At 9¾ A.M.
Barometer	30.270	30.235	Dry 71.6 Wet 70.6
Thermometer attached.	64.0	70.2	No. 4 71.0
" external No. 2.	70.0	74.4	
" " No. 3.			
" " No. 4	71.4	75.2	
" Maximum	69.8		
" " (Set)	69.7		
" Minimum	56.3		
" " (Set)	69.6		
" Solar max.			
" " (Set)			
" Dry bulb	71.5	75.2	70.7 74.5
" Wet "	66.2	69.5	66.9 70.3
Rain gauge C	0 3/4 ounces 0.033 inches		3.8 4.2
Wind, force & direction.	0 calm	3e SE	81 80
Clouds, amount & kind.	10 Pm haze	10 Pm M fm	

	7 A. M.	2 P. M.	9 3/4 P. M.
Thermometer No. 2	59.4	68.9	66
" No. 3			
" No. 4	59.3	65.6	65.8

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1876phae.proj..375.

JUNE, 14 1876.

	10 A. M.	4 P. M.	
Barometer	30.204	30.140	At 8½ A.M. Dry 75.5 Wet 74.6 No. 4 76.2 No. 4 is nearest the east side of the Shelter, and so rather warm in the morning.
Thermometer attached.	67.8	73.7	
" external No. 2.	78.5	78.8	
" " No. 3.			
" " No. 4.	79.0	78.9	
" Maximum	78.2		
" " (Set)	77.8		
" Minimum	61.5		
" " (Set)	78.0		
" Solar max.			
" " (Set)			
" Dry bulb	79.9	80.0	79.3 79.4
" Wet "	70.3	70.8	71.2 71.7
Rain gauge C	0 inches 0.11 inches		8.1 7.7
Wind, force & direction.	4 SW	2 SE	65 67
Clouds, amount & kind.	4 Rs N 7m	5 N 7 Rs	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	68.4	74.7	68.3
" No. 3			
" No. 4	68.9	74.4	67.9

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JUNE, 15 1876.

	10 A. M.	4 P. M.	At 8½ A.M., Dry 74.0 Wet 73.0 No. 4 74.1
Barometer	30.172	30.170	
Thermometer attached.	69.0	77.0	
" external No. 2.	79.0	83.0	
" " No. 3.			
" " No. 4.	79.7	83.1	
" Maximum	81.0		
" " (Set)	78.0		
" Minimum	61.1		
" " (Set)	78.4		
" Solar max.			
" " (Set)			
Dry bulb	80.1	84.0	79.5 83.5
" Wet "	71.0	72.6	71.9 73.5
			7.6 10.0
Rain gauge C	0		68 60
Wind, force & direction.	5 NW	4 SE	
Clouds, amount & kind.	4 Pi Ro 7m	7 PiRoSM 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	68.5	84.9	71.7
" No. 3			
" No. 4	68.9	85.9	71.3

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JUNE, 16 1876.

	10 A. M.	4 P. M.
Barometer . . .	30.246	30.210
Thermometer attached.	71.1	77.0
" external No. 2.	81.0	83.1
" " No. 3.		
" " No. 4.	81.6	83.7
" Maximum .	86.3	
" " (Set) .	80.0	
" Minimum .	61.6	
" " (Set) .	80.3	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	82.0	83.9
" Wet " . . .	69.5	68.0
Rain gauge C . . .	0	
Wind, force & direction.	4c SW	5c S
Clouds, amount & kind.	0 Rs	1 M Rs

At 7½ A.M.
Dry 73.4 Wet 71.9
No. 4 72.3

81.5 83.4
70.3 68.8
11.2 14.6
55 45

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	70	85.0	68.9
" No. 3 .			
" No. 4 .	70.2	85.3	68.5

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JUNE, 17 1876.

	10 A. M.	4 P. M.
Barometer	30.235	30.199
Thermometer attached.	72.0	77.2
" external No. 2.	78.2	80.2
" " No. 3.		
" " No. 4.	79.9	81.1
" Maximum	85.5	
" " (Set)	77.7	
" Minimum	64.1	
" " (Set)	77.9	
" Solar max.		
" " (Set)		
Dry bulb	78.6	83.2
" Wet "	69.1	70.6
Rain gauge C	0 1/8 ounces 0.011 inches	
Wind, force & direction.	5 S	6 S
Clouds, amount & kind.	10 Rm M Fm	5 M Fm

At 7¾ A.M.
Dry 75.0 Wet 70.8
No. 4 73.7

	78.2	82.7
	69.9	71.5
	8.3	11.2
	64	56

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	69.0	82.0	70
" No. 3			
" No. 4	69.6	82.2	69.8

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1876phae.proj..375.

JUNE, 18 1876.

	10 A. M.	4 P. M.
Barometer . . .	30.194	30.167
Thermometer attached.	72.7	76.7
" external No. 2.	83.0	80.3
" " No. 3.		
" " No. 4.	83.4	81.1
" Maximum .	82,5	
" " (Set) .	81.0	
" Minimum .	67.0	
" " (Set) .	82.2	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	84.1	81.0
" Wet " . . .	71.6	70.6
Rain gauge C . . .	0 showers 0.01 inches	
Wind, force & direction.	7 S	9 S
Clouds, amount & kind.	6 N 7m	10 Rm N 7m

At 9 5/6 Aug.
Dry 83.3 Wet 82.1
No. 4 82.4

83.6 80.5
72.5 71.5
11.1 9.0
56 62

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	73.7	84.0	71.8
" No. 3 .			
" No. 4 .	74.1	84.4	71.7

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1876phae.proj..375.

JUNE, 19 1876.

	10 A. M.	4 P. M.
Barometer	30.103	30.050
Thermometer attached.	73.0	78.3
" external No. 2.	74.7	82.9
" " No. 3.		
" " No. 4.	77.3	83.6
" Maximum	815.0	
" " (Set)	73.5	
" Minimum	66.5	
" " (Set)	75.9	
" Solar max.		
" " (Set)		
Dry bulb	77.5	83.7
" Wet "	72.2	73.0
Rain gauge C	1/8 inches 0.099 inches	
Wind, force & direction.	5 c SW	8 c S
Clouds, amount & kind.	10 Pm N 7m Rs	7 N 7m Rs

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	68.4	83.9	73
" No. 3			
" No. 4	68.8	84.5	72.5

At 9 3/11 A. M.,
Dry 78.1 Wet 76.6
No. 4 77.6

76.9	83.2
73.1	73.9
3.8	9.3
82	62

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JUNE, 20 1876.

	10 A. M.	4 P. M.	At 8½ A.M.
Barometer . . .	30.098	29.986	Dry 78.4 Wet 77.6
Thermometer attached.	73.7	78.6	No. 4 79.9
" external No. 2.	77.8	80.0	
" " No. 3.			
" " No. 4.	79.1	80.6	
" Maximum .	83.7		
" " (Set) .	77.1		
" Minimum .	65.0		
" " (Set) .	77.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	78.7	80.8	78.1 80.2
" Wet " . . .	67.7	70.6	68.5 71.5
Rain gauge C . . .	0 ¼ inches 0.022 inches		9.6 8.7
Wind, force & direction.	9 W	6 SE	59 63
Clouds, amount & kind.	10 Pm 7 mm RS M	6 Pm M 7 mm RS	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	71.3	83.6	70.8
" No. 3 .			
" No. 4 .	71.8	84.5	70.8

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JUNE, 21 1876.

	10 A. M.	4 P. M.
Barometer	29.965	29.856
Thermometer attached.	73.6	76.4
" external No. 2.	75.9	*74.7
" " No. 3.		
" " No. 4.	76.7	76.1
" Maximum	85.0	
" " (Set)	75.3	
" Minimum	66.1	
" " (Set)	75.2	
" Solar max.		
" " (Set)		
" Dry bulb	76.5	76.5
" Wet "	69.6	70.1
Rain gauge C	0	3 ounces 0.265 inches
Wind, force & direction.	4 S	4 S
Clouds, amount & kind.	10 Cu Fm	8 Cu N Fm Ro

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	74.9	*75.0	68.1
" No. 3			
" No. 4	75.2	79.4	68.1

At 9½ A.M.
Dry 77.1 Wet 76.0
No. 4 77.2

* Showers during the forenoon
Heavy shower for about 10 minutes about 2½ P.M. The rain measured at 4 P.M. almost wholly from this.

75.8 75.8
70.4 70.9
5.4 4.9
75 77

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JUNE, 22 1876.

	10 A. M.	4 P. M.
Barometer	29.943	29.880
Thermometer attached.	69.0	74.0
" external No. 2.	76.5	73.5
" " No. 3.		
" " No. 4.	71.2	74.2
" Maximum	76.7	
" " (Set)	70.2	
" Minimum	55.6	
" " (Set)	69.8	
" Solar max.		
" " (Set)		
" Dry bulb	71.5	74.2
" Wet "	59.9	58.0
Rain gauge C	*0	
Wind, force & direction.	5° W	7° NW
Clouds, amount & kind.	10 Pm M Fm	7 Pm M Fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	63.8	74.0	64.0
" No. 3			
" No. 4	63.6	74.2	63.9

At 8½ A. M.
Dry 70.0 Wet 68.8
No. 4 70.0

70.7 73.5
60.5 58.6
10.2 14.9 36

* Gauge C
June 21, 4 P.M., 0.265 inches.

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JUNE, 23 1876.

	10 A. M.	4 P. M.
Barometer	29.896	29.804
Thermometer attached.	67.4	74.4
" external No. 2.	74.9	79.0
" " No. 3.		
" " No. 4.	74.9	79.4
" Maximum	75.4	
" " (Set)	74.0	
" Minimum	54.3	
" " (Set)	74.2	
" Solar max.		
" " (Set)		
Dry bulb	76.0	79.8
" Wet "	60.5	63.4
Rain gauge C	0	
Wind, force & direction.	2 NW	9 W
Clouds, amount & kind.	0 M 7m Rs	5 M 7m Rs Rm

At 8½ A.M.
Dry 71.7 Wet 70.7
No. 4 72.7

75.3 79.2
61.1 64.1
14.2 15.1
40 40

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	63.6	80.0	69.5
" No. 3			
" No. 4	63.3	80.3	69.3

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JUNE, 24 1876.

	10 A. M.	4 P. M.	At 7 1/2 A. M.
Barometer . . .	29.743	29.652	Dry 75.8 Wet 74.4
Thermometer attached.	71.5	77.8	No. 4 75.3
" external No. 2.	80.8	88.2	
" " No. 3.			
" " No. 4.	81.6	88.7	
" Maximum .	80.4		
" " (Set) .	79.9		
" Minimum .	71.5		
" " (Set) .	80.0		
" Solar max. .			
" " (Set) .			
' Dry bulb . .	81.8	88.9	81.3 88.6
" Wet " . . .	68.8	71.1	69.6 72.0
			11.7 16.6
Rain gauge C . . .	0		53 42
Wind, force & direction.	6 NW	8 SW	
Clouds, amount & kind.	9 Cu Fm	5 M Fm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	76	86.7	76.1
" No. 3 .			
" No. 4 .	76.1	87.3	75.9

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JUNE, 25 1876.

	10 A. M.	4 P. M.
Barometer	29.680	29.722
Thermometer attached.	74.8	79.8
" external No. 2.	83.2	*68.7
" " No. 3.		
" " No. 4.	83.6	71.6
" Maximum	88.4	
" " (Set)	82.3	
" Minimum	67.6	
" " (Set)	82.7	
" Solar max.		
" " (Set)		
Dry bulb	84.0	*68.2
" Wet "	67.4	65.4
Rain gauge C	0	
Wind, force & direction.	6 W	10 W
Clouds, amount & kind.	4 Rs	10 Rn. 7m rain

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	78.0	86.1	69.0
" No. 3			
" No. 4	78.6	86.8	68.7

At 9 5/6 A.M.
Dry 84.0 Wet 82.9
No. 4 83.5

* Thunder shower at 4 P.M.

83.5 67.3
68.2 66.1
15.3 1.2
42 94

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JUNE, 26 1876.

	10 A. M.	4 P. M.	At 7 7/12 A. M. Dry 75.2 Wet 73.8 No. 4 74.0
Barometer . . .	29.788	29.818	
Thermometer attached.	73.1	80.4	
" external No. 2.	80.2	80.5	
" " No. 3.			
" " No. 4.	80.7	80.8	
" Maximum .	87.0		
" " (Set) .	78.2		
" Minimum .	62.9		
" " (Set) .	79.9		
" Solar max. .			
" " (Set) .			
' Dry bulb . .	81.2	80.9	80.6 80.3
" Wet " . . .	70.4	69.3	71.3 70.1
			9.3 10.2
Rain gauge C . . .	5½ drops 0.485 inches		61 58
Wind, force & direction.	5 N	3 SE	
Clouds, amount & kind.	0 Rs 7m	2 N 7m	

	7 A. M.	2 P. M.	9½ P. M.
Thermometer No. 2 .	69.7	84.1	74.2
" No. 3 .			
" No. 4 .	72.0	84.6	74.0

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JUNE, 27 1876.

	10 A. M.	4 P. M.	At 8 A.M.
Barometer	29.899	29.827	Dry 77.1 Wet 76,0
Thermometer attached.	74.8	82.2	No. 4 77.5
" external No. 2.	85.7	84.0	
" " No. 3.			
" " No. 4.	86.8	84.5	
" Maximum	85.3		
" " (Set)	84.0		
" Minimum	63.2		
" " (Set)	85.1		
" " Solar max.			
" " (Set)			
Dry bulb	87.0	84,5	86.6 84.1
" Wet "	75.4	74,0	76.4 75.0
Rain gauge C	0		10.2 9.1
Wind, force & direction.	B° SW	10 S	60 64
Clouds, amount & kind.	7 R Rs Rm	6 PtRm from Rs	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	70.4	87.6	71.8
" No. 3			
" No. 4	71.3	88.4	72.7

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JUNE, 28 1876.

	10 A. M.	4 P. M.
Barometer	29.927	29.944
Thermometer attached.	77.0	82.7
" external No. 2.	83.0	88.2
" " No. 3.		
" " No. 4.	83.7	88.5
" Maximum	89.8	
" " (Set)	81.7	
" Minimum	69.1	
" " (Set)	82.7	
" Solar max.		
" " (Set)		
" Dry bulb	84.0	89.0
" Wet "	72.0?	70.0
Rain gauge C	4 storms 0.397 inches	
Wind, force & direction.	4 W	5 NW
Clouds, amount & kind.	1 N Fm Rs	6 Rs Fm

At 8 7/12 A. M.
Dry 82.1 Wet 81.1
No. 4 82.7

	83.5	88.7
	73.6	70.8
	9.9	17.9
	61	38

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	74.6	88.0	77.0
" No. 3			
" No. 4	76.4	88.3	76.7

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JUNE, 29 1876.

	10 A. M.	4 P. M.
Barometer	30.046	30.049
Thermometer attached.	75.7	79.2
" external No. 2.	78.0	77.5
" " No. 3.		
" " No. 4.	79.7	77.7
" Maximum	87.9	
" " (Set)	87.5	
" Minimum	67.1	
" " (Set)	77.3	
" Solar max.		
" " (Set)		
Dry bulb	79.2	77.8
" Wet "	68.6	63.1
Rain gauge C	0 5/8 ounces 0.011 inches	
Wind, force & direction.	1 SE	3 SE
Clouds, amount & kind.	10 Pmy Fm Haze	10 Pmy Fm

At 9 7/12 A.M.
Dry 78.8 Wet 77.8
Nov 4 79.1

	78.6	77.2
	69.4	63.7
	9.2	13.5
	61	44

	7 A. M.	2 P. M.	9 3/4 P. M.
Thermometer No. 2	69.6	78.8	70.0
" No. 3			
" No. 4	69.8	79.1	69.9

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JUNE, 30 1876.

	10 A. M.	4 P. M.	At 7¼ A. M.
Barometer . . .	30.050	30.007	Dry 73.3 Wet 72.0
Thermometer attached.	75.0	80.3	No. 4 73.0
" external No. 2.	77.8	85.9	
" " No. 3.			
" " No. 4.	78.8	86.5	
" Maximum .	80.4		
" " (Set) .	77.2		
" Minimum .	65.0		
" " (Set) .	77.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	78.7	86.6	78.1 86.2
" Wet " . . .	68.2	71.8	69.0 72.7
Rain gauge C . . .	0		9.1 13.5
Wind, force & direction.	1 NW	4 SW	61 50
Clouds, amount & kind.	10 Pm	6 M Fm Rs	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	72.0	85.6	73.2
" No. 3 .			
" No. 4 .	72.5	86.4	73.3

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JULY, 1 1876.

	10 A. M.	4 P. M.	At 8½ A.M. Dry 76.7 Wet 75.4 No. 4 772
Barometer	30.100	30.067	
Thermometer attached.	75.0	80.4	
" external No. 2.	77.6	83.00	
" " No. 3.			
" " No. 4	78.6	83.9	
" Maximum	85.9		
" " (Set)	77.2		
" Minimum	65.3		
" " (Set)	76.9		
" Solar max.			
" " (Set)			
Dry bulb	78.4	83.5	77.8 83.0
" Wet "	65.3	67.7	66.0 68.5
Rain gauge C	0		11.8 14.5
Wind, force & direction.	0 N	3 SW	50 44
Clouds, amount & kind.	9 PtRs 7m thin	7 PtRs 7m M	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	71.	84.6	73.8
" No. 3			
" No. 4	71.3	84.8	73.3

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JULY, 2 1876.

	10 A. M.	4 P. M.
Barometer . . .	29.945	29.896
Thermometer attached.	77.1	83.7
" external No. 2.	86.0	93.6
" " No. 3.		
" " No. 4.	86.9	94.4
" Maximum .	85.9	
" " (Set) .	85.9	
" Minimum .	69.1	
" " (Set) .	85.3	
" Solar max. .		
" " (Set) .		
' Dry bulb . .	86.9	94.4
" Wet " . . .	77.1	75.9
Rain gauge C . . .	0	
Wind, force & direction.	5 SW	7 SW
Clouds, amount & kind.	9 Pm Mtn Rshwrs	6 Pm Mtn

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	77.2	91.9	77.2
" No. 3 .			
" No. 4 .	77.6	92.3	78.2

At 9 2/3 A. M.
Dry 86.5 Wet 85.6
No. 4 86.2

86.5	94.4
78.1	76.9
8.4	17.5
67	43

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JULY, 3 1876.

	10 A. M.	4 P. M.	At 1 1/2 P.M., Dry 88.0 Wet 77.0 No. 4 88.6
Barometer	29.865	29.843	
Thermometer attached.	80.0	84.2	
" external No. 2.	78.2	87.9	
" " No. 3.			
" " No. 4.	80.8	88.2	
" Maximum	93.3		
" " (Set)	77.2		
" Minimum	73.0		
" " (Set)	77.0		
" Solar max.			
" " (Set)			
" Dry bulb	80.7	88.7	80.1 88.4
" Wet "	76.7	72.9	77.7 73.8
Rain gauge C	9/8 ounces 0.872 inches		2.4 14.6
Wind, force & direction.	4e SW	9e SW	89 48
Clouds, amount & kind.	10 Pm Fm raining	4 M Fm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	77.0	87.9	78.7
" No. 3			
" No. 4	77.2	88.1	78.6

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JULY, 4 1876.

	10 A. M.	4 P. M.	
Barometer	30.024	29.930	At 9½ A. M. Dry 88.2 Wet 87.1
Thermometer attached.	78.0	83.0	No. 4 87.9
" external No. 2.	87.7	90.2	
" " No. 3.			
" " No. 4.	88.2	90.8	
" Maximum	87.9		
" " (Set)	86.5		
" Minimum	68.0		
" " (Set)	67.1		
" Solar max.			
" " (Set)			
" Dry bulb	89.0	90.9	88.7 90.7
" Wet "	74.4	73.2	75.4 74.1
Rain gauge C	0		13.3 16.6
Wind, force & direction.	6 SW	8 SW	52 43
Clouds, amount & kind.	0 Rs	1 Rs Mtm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	76.7	91.0	78.0
" No. 3			
" No. 4	76.6	91.3	78.0

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JULY, 5 1876.

	10 A. M.	4 P. M.
Barometer	30.066	29.978
Thermometer attached.	79.2	84.3
" external No. 2.	82.0	80.1
" " No. 3.		
" " No. 4.	82.8	80.0
" Maximum	90.3	
" " (Set)	81.9	
" Minimum	71.0	
" " (Set)	81.2	
" Solar max.		
" " (Set)		
Dry bulb	83.0	80.9
" Wet "	69.0	69.3
Rain gauge C	0	
Wind, force & direction.	1e N	5me E
Clouds, amount & kind.	6 Rs Pm M fm haze	5 Rs Pm M fm

At 7 2/3 A. M.
Dry 78.8 Wet 77.3
No. 4 78.1

82.5 80.3
69.8 70.1
12.7 10.2
50 58

	7 A. M.	2 P. M.	9 P. M. 9.30
Thermometer No. 2	76.1	78.9	74.8
" No. 3			
" No. 4	76.4	78.6	74.8

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JULY, 6 1876.

	10 A. M.	4 P. M.	At 7 2/3 A. M.
Barometer	29.874	29.958	Dry 76.1 Wet 74.8
Thermometer attached.	78.4	80.6	No. 4 75.4
" external No. 2.	78.0	80.1	
" " No. 3.			
" " No. 4.	78.6	80.2	
" Maximum	85.6		
" " (Set)	78.0		
" Minimum	72.7		
" " (Set)	77.5		
" Solar max.			
" " (Set)			
" Dry bulb	79.0	81.0	78.4 80.4
" Wet "	65.0	63.9	65.7 64.6
Rain gauge C	0		12.7 15.8
Wind, force & direction.	11 NW	7 NW	48 38
Clouds, amount & kind.	6 N 7m	5 N 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	74.4	81.0	72.7
" No. 3			
" No. 4	74.7	80.9	72.5

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JULY, 7 1876.

	10 A. M.	4 P. M.
Barometer	30.128	30.102
Thermometer attached.	74.7	81.1
" external No. 2.	78.0	79.0
" " No. 3.		
" " No. 4	78.2	79.5
" Maximum	81.3	
" " (Set)	77.7	
" Minimum	63.0	
" " (Set)	77.5	
" Solar max.		
" " (Set)		
" Dry bulb	79.0	79.4
" Wet "	64.8	66.3
Rain gauge C	0	
Wind, force & direction.	2 E	3 S
Clouds, amount & kind.	4 Mk Fm Rs	10 Fm

	7½ A. M.	2 P. M.	9 P. M.
Thermometer No. 2	70.8	79.7	71.7
" No. 3			
" No. 4	70.4	79.7	72.5

At 7½ A.M.
Dry 71.8 Wet 70.3
No. 4 70.4

78.4 78.8
65.5 67.1
12.9 11.7
47 51

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JULY, 8 1876.

	10 A. M.	4 P. M.	At 7 1/12 A.M.
Barometer	29.940	29.916	Dry 75.5 Wet 74.0
Thermometer attached.	77.0	83.9	No. 4 74.4
" external No. 2.	84.1	91.0	
" " No. 3.	~~84.3~~		
" " No. 4.	82.3	91.8	
" Maximum	83.8		
" " (Set)	83.5		
" Minimum	67.3		
" " (Set)	83.4		
" Solar max.			
" " (Set)			
" Dry bulb	85.0	91.8	84.6 91.6
" Wet "	71.6	73.4	72.5 74.4
Rain gauge C	0		12.91 17.2
Wind, force & direction.	7 N	2 NW	53 41
Clouds, amount & kind.	2 R R 7m	7 R R M 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	73.8	88.5	81.9
" No. 3			
" No. 4	73.7	88.6	82.0

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JULY, 9 1876.

	10 A. M.	4 P. M.	At 7 5/8 A.M.
Barometer	29.902	29.954	Dry 83.3 Wet 82.3
Thermometer attached.	80.7	84.0	No. 21 83.0
" external No. 2.	74.4	72.8	
" " No. 3.			
" " No. 4.	74.3	72.5	
" Maximum	91.1		
" " (Set)	74.5		
" Minimum	73.0		
" " (Set)	73.5		
" Solar max.			
" " (Set)			
Dry bulb	75.1	73.1	74.4 72.3
" Wet "	63.6	63.5	64.3 64.2
Rain gauge C	0.1		10.1 8.1
Wind, force & direction.	6 NE	4 E	55 62
Clouds, amount & kind.	5 Cu M Fm Rs	5 Cu Cu Rs Fm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	80.0	72.0	66.3
" No. 3			
" No. 4	80.4	71.7	67.0

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JULY, 10 1876.

	10 A. M.	4 P. M.	At 7¾ A. M.
Barometer . . .	30.016	29.956	Dry 74.8 Wet 73.8
Thermometer attached.	76.6	83.4	No. 4 75.0
" external No. 2.	81.5	87.8	
" " No. 3.			
" " No. 4.	83.0	88.3	
" Maximum .	81.4		
" " (Set) .	81.1		
" Minimum .	64.1		
" " (Set) .	81.1		
" Solar max. .			
" " (Set) .			
' Dry bulb . .	82.8	88.3	82.3 88.0
" Wet " . . .	71.1	74.3	72.0 75.3
Rain gauge C . . .	10		10.3 12.7
Wind, force & direction.	4 SW	12 S	58 53
Clouds, amount & kind.	3 Rs Fm Haze	5 Rs Fm	

	7 A. M.	2½ P. M.	9 P. M.
Thermometer No. 2 .	70.3	89.0	73.2
" No. 3 .			
" No. 4 .	70.9	89.5	73.5

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JULY, 11 1876.

	10 A. M.	4 P. M.
Barometer	30.041	30.090
Thermometer attached.	79.4	84.9
" external No. 2.	87.0	74.9
" " No. 3.		
" " No. 4.	87.5	75.5
" Maximum	89.0	
" " (Set)	86.4	
" Minimum	70.2	
" " (Set)	86.6	
" Solar max.		
" " (Set)		
" Dry bulb	88.0	75.3
" Wet "	77.0	73.5
Rain gauge C	2 1/4 ounces 0.188 inches	
Wind, force & direction.	1 NW	0 calm
Clouds, amount & kind.	1 Rs 7m	10 P.m raining

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	76.9	85.6	75.0
" No. 3			
" No. 4	77.0	85.6	75.1

At 7 1/12 A.M.
Dry 78.0 Wet 76.5
No. 4 77.1

87.7 74.6
78.0 74.5
9.7 0.1
63 99

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1876phae.proj..375.

JULY, 12 1876.

	10 A. M.	4 P. M.		
Barometer	30.042	30.000		
Thermometer attached.	79.5	84.7		
" external No. 2.	81.2	82.3		
" " No. 3.				
" " No. 4.	82.6	82.4		
" Maximum .	91.6			
" " (Set) .	80.2			
" Minimum .	71.1			
" " (Set) .	80.8			
" Solar max. .				
" " (Set) .				
" Dry bulb . .	82.2	82.6	81.7	82.1
" Wet " . . .	75.6	73.5	76.6	74.5
Rain gauge C . . .	2 5/8 ounces 0.232 inches		5.1	7.6
Wind, force & direction.	1 c N	5 c E	7 8	6 8
Clouds, amount & kind.	9 Cm M 7m	2 M 7m haze		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	76.1	85.2	78.0
" No. 3 .			
" No. 4 .	77.0	85.2	78.0

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JULY, 13 1876.

	10 A. M.	4 P. M.	At 7 A. M.
Barometer	29.999	29.967	Dry 78.6 Wet 77.2
Thermometer attached.	80.3	86.1	No. 4 77.5
" external No. 2.	86.5	91.8	
" " No. 3.			
" " No. 4.	86.8	92.2	
" Maximum	86.2		
" " (Set)	86.0		
" Minimum	70.4		
" " (Set)	86.0		
" Solar max.			
" " (Set)			
" Dry bulb	87.5	92.5	87.2 92.4
" Wet "	75.4	74.2	76.4 75.2
Rain gauge C	0		10.8 17.2
Wind, force & direction.	2 NW	2 W	59 42
Clouds, amount & kind.	0 Rs 7m	1 Rs M 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	77.7	91.2	83.0
" No. 3			
" No. 4	77.5	91.4	83.0

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JULY, 14 1876.

	10 A. M.	4 P. M.
Barometer . . .	29.933	29.885
Thermometer attached.	81.0	85.8
" external No. 2.	81.9	74.6
" " No. 3.		
" " No. 4.	82.4	75.1
" Maximum .	91.7	
" " (Set) .	82.0	
" Minimum .	71.3	
" " (Set) .	81.7	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	82.5	75.4
" Wet " . . .	72.8	70.2
Rain gauge C . . .	0	
Wind, force & direction.	3 E	3 S
Clouds, amount & kind.	5 R Rm Rs 7m	8 Rm Nm 7m

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	74.0	82.0	75.2
" No. 3 .			
" No. 4 .	75.0	82.0	75.2

At 7 A. M.
Dry 75.3 Wet 74.0
No. 4 75.0

Thunder
shower
about 3 P. M.

82.0 74.7
73.7 71.1
8.3 3.6
66 83

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JULY, 15 1876.

	10 A. M.	4 P. M.
Barometer	29.920	29.951
Thermometer attached.	79.9	82.7
" external No. 2.	81.0	78.1
" " No. 3.		
" " No. 4.	81.6	78.2
" Maximum	87.4	
" " (Set)	80.8	
" Minimum	66.2	
" " (Set)	80.5	
" Solar max.		
" " (Set)		
" Dry bulb	82.0	78.7
" Wet "	69.1	63.2
Rain gauge C	0 5/8 inches 0.055 inches	
Wind, force & direction.	6 c NE	5 c E
Clouds, amount & kind.	3 Rs 7m	0 M 7m

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	71.5	80.4	71.0
" No. 3			
" No. 4	71.9	80.5	70.9

At 7 A.M.
Dry 72.6 Wet 71.1
No. 4 71.9

81.5	78.1
70.0	63.8
11.5	14.3
54	42

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JULY, 16 1876.

	10 A. M.	4 P. M.
Barometer	30.169.	30.157
Thermometer attached.	74.2	82.1
" external No. 2.	79.7	86.0
" " No. 3.		
" " No. 4.	79.9	86.4
" Maximum	84.0	
" " (Set)	79.2	
" Minimum	60.8	
" " (Set)	79.1	
" Solar max.		
" " (Set)		
" Dry bulb	80.7	86.9
" Wet "	64.4	67.0
Rain gauge C	0	
Wind, force & direction.	2 NW	4 W
Clouds, amount & kind.	0 Rs	1 Rs 7m M

	7 1/3 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	70.0	84.5	74.2
" No. 3			
" No. 4	69.8	84.6	74.6

At 7 1/3 A. M.
Dry 70.9 Wet 69.5
No. 4 69.8

80.1 86.5
65.1 67.8
15.0 18.7
41 34

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JULY, 17 1876.

	10 A. M.	4 P. M.
Barometer . . .		30.156
Thermometer attached.		82.8
" external No. 2.		89.8
" " No. 3.		
" " No. 4.		90.2
" Maximum .		
" " (Set) .		
" Minimum .		64.0
" " (Set) .		89.2
" Solar max. .		
" " (Set) .		
" Dry bulb . .		90.3
" Wet " . . .		70.7
Rain gauge C . . .	*0	
Wind, force & direction.	*6 eSW	10 ~ SW
Clouds, amount & kind.	*0 Rs haze	2 M 7 haze

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	72.5	91.2	75.7
" No. 3 .			
" No. 4 .	72.3	91.7	75.8

At 7 A. M.
Dry 73.7 Wet 72.2
No. 4 72.3

× Entered from memory at 2 P.M. Attention to the time signal at 10 A.M. occasioned observ~~ to forget that~~ meteorological ~~the~~ observations were incomplete.

90.1
71.6
18.5

37

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JULY, 18 1876. 4 P.M. Prof. Whitaker's therm. Large 92.2 Small 93.0

	10 A. M.	4 P. M.	
Barometer	30.061	29.994	At 7 A.M. Dry 77.3 Wet 76.1
Thermometer attached.	79.2	86.0	No. 4 76.5
" external No. 2.	84.8	92.0	
" " No. 3.			
" " No. 4.	85.2	92.6	
" Maximum	91.0		
" " (Set)	84.2		
" Minimum	70.9		
" " (Set)	84.1		
" Solar max.			
" " (Set)			
Dry bulb	85.7	92.9	85.3 92.8
" Wet "	74.5	77.8	75.4 78.8
Rain gauge C	0		9.9 14.0
Wind, force & direction.	7 SW	6 SW	61 52
Clouds, amount & kind.	4 Am, 7 m Rs haze	3 M, 7 m Rs haze	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	76.3	93.0	78.0
" No. 3			
" No. 4	76.5	93.6	78.4

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JULY, 19 1876.

Prof. Whitaker's thermometers } Large 10 A.M. 86.6 2 P.M. 87.3 4 P.M. 82.7
Small 87.4 88.0 83.4

	10 A. M.	4 P. M.	At 7 A. M.
Barometer	30.055	30.065	Dry 79.7 Wet 78.1
Thermometer attached.	82.0	87.0	No. 4 78.9
" external No. 2.	86.6	82.7	
" " No. 3.	&		
" " No. 4.	86.6	82.4	
" Maximum	92.9		
" " (Set)	86.0		
" Minimum	73.7		
" " (Set)	85.9		
" Solar max.			
" " (Set)			
Dry bulb	87.5	82.8	87.2 82.3
" Wet "	73.4	70.0	74.4 70.8
Rain gauge C	0 1/8 ounces 0.011 inches		12.8 11.5
Wind, force & direction.	4e NE	4e SE	52 54
Clouds, amount & kind.	1 M Fm Rs	1 M Fm haze	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	78.7	87.0	76.0
" No. 3			
" No. 4	78.9	87.3	75.9

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JULY, 20 1876.

Prof. Whitaker's Thermometers } large / small

10 A.M. 90.6 / 91.4
2 P.M. 91.4 / 92.2
4 P.M. 90.0 / 90.8

	10 A. M.	4 P. M.	At 7 A.M., Dry 79.0 Wet 77.7 No. 4 78.0
Barometer . . .	29.965	29.836	
Thermometer attached.	81.1	86.7	
" external No. 2.	90.1	90.0	
" " No. 3.			
" " No. 4.	90.8	90.6	
" Maximum .	90.2		
" " (Set) .	89.0		
" Minimum .	70.2		
" " (Set) .	89.9		
" Solar max. .			
" " (Set) .			
' Dry bulb . .	91.1	90.7	90.9 90.5
" Wet " . . .	74.9	79.8	75.9 80.8
Rain gauge C . . .	0		15.0 9.7
Wind, force & direction.	8 - SW	11 - S	48 64
Clouds, amount & kind.	1 Pm 7m Rs	5 Pn M 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	78.0	91.1	80.0
" No. 3 .			
" No. 4 .	78.0	92.0	79.8

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JULY, 21 1876.

Prof. Whitaker's Thermometers } Large / Small — 10 A. M. 82.9 / 83.8 — 2 P. M. 84.0 / 84.6 — 4 P. M.

	10 A. M.	4 P. M.	At 7 A. M. Dry 76.7 Wet 75.0 No. 4 76.2
Barometer	29.915	29.995	
Thermometer attached.	81,5	84,0	
" external No. 2.	82,8	83.5	
" " No. 3.			
" " No. 4	82.9	83.7	
" Maximum	94.5		
" " (Set)	82.0		
" Minimum	70.6		
" " (Set)	82.0		
" Solar max.			
" " (Set)			
Dry bulb	83,8	84.2	83.3 83.7
" Wet "	72,4	66.3	73.3 67.1
Rain gauge C	1 ounce 0.088 inches		10.0 16.6
Wind, force & direction.	10° N	11° NW	6 0 3 8
Clouds, amount & kind.	8 Fm Rs	H M Fm Rs	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	75,8	83.9	73.3
" No. 3			
" No. 4	76.2	84.0	73.0

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JULY, 22 1876.

Prof. Whitaker's thermometers } Large / Small — 10 A.M. 72.6 / 73.0 — 2 P.M. 72.3 / 72.6 — 4 P.M. 70.8 / 71.1

	10 A. M.	4 P. M.
Barometer . . .	30.207	30.130
Thermometer attached.	74.1	79.2
" external No. 2.	72.2	70.2
" " No. 3.		
" " No. 4.	72.1	70.2
" Maximum .	84.6	
" " (Set) .	72.0	
" Minimum .	59.3	
" " (Set) .	71.0	
" Solar max. .		
" " (Set) .		
' Dry bulb . .	72.1	70.6
" Wet " . . .	58.1	59.5
Rain gauge C . . .	0	
Wind, force & direction.	5 SE	4 E
Clouds, amount & kind.	0 Ro, Fm haze	0 Ro, Fm haze

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	65.0	71.5	65.0
" No. 3 .			
" No. 4 .	64.8	72.3	64.8

4 + 7 A.M.
Dry 66.1 Wet 64.3
No. 4 64.8

Auroral light seen some evenings ago; data ascertained at the time.

71.3 69.8
58.7 60.1
12.6 9.7
43 54

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JULY, 23 1876.

Prof. Whitaker's Large Thermometers Small

10 A.M. 69.0 2 P.M. 69.4 4 P.M. 64.6 65.0

	10 A. M.	4 P. M.	
Barometer . . .	29.878	29.816	
Thermometer attached.	70.1	73.0	
" external No. 2.	64.6	64.1	
" " No. 3.			Thunder showers 5 to 8 A.M.
" " No. 4.	64.5	64.4	
" Maximum .	72.4		
" " (Set) .	64.4		Rainy after 1½ P.M; time thunder,
" Minimum .	60.8		
" " (Set) .	63.7		
" Solar max. .			
" " (Set) .			
Dry bulb . .	66.4	65.4	65.5 64.4
" Wet " . . .	63.8	63.4	64.5 64.1
Rain gauge C . . .	12 ½ ounces 1.103 inches		1.0 0.3
Wind, force & direction.	2 S	2 F	94 98
Clouds, amount & kind.	10 Pm 7m	10 Pm rain	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	62.2	69.0	60.0
" No. 3 .			
" No. 4 .	62.4	69.9	59.7

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JULY, 24 1876.

Prof. Whitaker's Thermometers: Large 10 A.M. 69.6, 2 P.M. 74.0, 11 P.M. 74.0; Small 69.9, 74.5, 74.4

	10 A. M.	4 P. M.
Barometer	29.828	29.855
Thermometer attached.	68.0	73.3
" external No. 2.	69.1	73.7
" " No. 3.		
" " No. 4.	69.1	73.8
" Maximum	69.5	
" " (Set)	68.9	
" Minimum	57.5	
" " (Set)	68.6	
" Solar max.		
" " (Set)		
" Dry bulb	70.3	74.4
" Wet "	60.4	58.5
Rain gauge C	×13 3/4 ounces 1.180 inches	0
Wind, force & direction.	6 c NW	6 c NW
Clouds, amount & kind.	3 M 7m	6 Pr Rs M 7m

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	60.1	73.8	65.0
" No. 3			
" No. 4	61.0	73.8	64.6

At 7 A.M.
Dry 62.4 Wet 60.8
No. 4 61.0

69.5 73.7
71.0 59.1
8.5 59 14.6 37

× At 9 P.M. July 23
Gauge C 13 1/4 ounces
at 10 A.M. July 24 0 " "

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Prof. Whitaker's Thermometers Large Small

JULY, 25 1876.

10 A.M. 71.1 71.4 — 2 P.M. 74.8 75.2 — 4 P.M. 73.5 73.9

	10 A. M.	4 P. M.	7 A. M.
Barometer	29.978	30.018	Dry 62.9 Wet 61.0
Thermometer attached.	67.8	74.0	No. 4 61.3
" external No. 2.	70.8	73.0	
" " No. 3.			
" " No. 4.	70.7	73.3	
" Maximum	73.5		
" " (Set)	70.6		
" Minimum	54.7		
" " (Set)	70.0		
" Solar max.			
" " (Set)			
" Dry bulb	71.8	73.8	71.0 73.1
" Wet "	60.3	55.6	60.9 56.2
			10.1 16.9
Rain gauge C	0		53 28
Wind, force & direction.	2 W	8 SW	
Clouds, amount & kind.	1 Rs M fm	1 M 7m Rs	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	61.8	74.5	63.2
" No. 3			
" No. 4	61.3	74.8	62.9

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JULY, 26 1876.

Prof. Whitaker's 2 large thermometers 2 small

	10 A. M.	2 P. M.	4 P. M.
	65.9	68.2	70.9
	66.2	68.5	71.3

	10 A. M.	4 P. M.
Barometer	30.122	30.140
Thermometer attached.	67.4	73.0
" external No. 2.	65.3	70.5
" " No. 3.		
" " No. 4.	65.6	71.0
" Maximum	75.2	
" " (Set)	65.6	
" Minimum	53.7	
" " (Set)	64.6	
" Solar max.		
" " (Set)		
" Dry bulb	66.6	71.3
" Wet "	57.7	59.4
Rain gauge C	0	
Wind, force & direction.	3 c N	3 c NW
Clouds, amount & kind.	4 Rn M 7m	3 Rs M 7m

At 7 A. M.
Dry 58.6 Wet 56.7
No. 4 57.8

65.7	70.5	
58.3	60.0	
7.4	10.5	
61	51	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	57.8	67.5	61.1
" No. 3			
" No. 4	57.8	68.5	60.9

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JULY, 27 1876.

Parts Whitaker's 2 large 10 A.M. 2 P.M. 4 P.M.
Thermometers 2 small 72.6 74.8 73.6
73.0 75.2 74.0

	10 A. M.	4 P. M.	At 7 A.M.
			Dry 60.0 Wet 58.0
Barometer	30.267	30.195	No. 4 59.0
Thermometer attached.	65.8	73.3	
" external No. 2.	72.0	73.8	
" " No. 3.			
" " No. 4.	72.3	73.6	
" Maximum	72.5		
" " (Set)	71.4		
" Minimum	50.0		
" " (Set)	71.3		
" Solar max.			
" " (Set)			
" Dry bulb	73.4	74.9	72.6 74.0
" Wet "	61.6	63.3	62.2 63.9
			10.4 10.9
Rain gauge C	0		52 52
Wind, force & direction.	1 S	4 E	
Clouds, amount & kind.	9 Cu Ro M Fm; Thin	8 Ro M Fm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	58.8	74.0	65.2
" No. 3			
" No. 4	59.0	74.1	65.0

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JULY, 28 1876.

Prof. Whitaker's thermometers Source Small

10 A.M. 76.8 77.3 — 2 P.M. 82.0 82.5 — 4 P.M. 80.5 81.2

	10 A. M.	4 P. M.	At 7 A.M. Day 69.3 Wet 67.4 No. 4 68.3	
Barometer	30.088	30.003		
Thermometer attached.	71.0	76.8		
" external No. 2.	76.2	80.3		
" " No. 3.				
" " No. 4.	76.8	80.7		
" Maximum	76.6			
" " (Set)	75.8			
" Minimum	61.5			
" " (Set)	75.8			
" Solar max.				
" " (Set)				
" Dry bulb	77.3	81.1	76.6	80.5
" Wet "	66.0	70.3	66.7	71.2
			9.9	9.3
Rain gauge C	0		57	61
Wind, force & direction.	8 S W	14 S		
Clouds, amount & kind.	4 Pm 7 Rm Rm Rd	7 Pm Rd N 7 Rm		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	68.1	81.8	71.0
" No. 3			
" No. 4	68.3	82.0	71.1

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Prof. Whitaker's thermometers 2 large Small M

JULY, 29 1876. 10 A.M. 78.0 78.6 2 P.M. 80.5 81.2 4 P.M. 79.6 80.2

	10 A. M.	4 P. M.
Barometer	29.917	29.926
Thermometer attached.	74.5	79.1
" external No. 2.	77.8	79.6
" " No. 3.		
" " No. 4.	78.1	79.7
" Maximum	81.7	
" " (Set)	77.3	
" Minimum	68.0	
" " (Set)	76.9	
" Solar max.		
" " (Set)		
" Dry bulb	78.6	80.4
" Wet "	68.3	68.0
Rain gauge C	0	
Wind, force & direction.	6 NW	5 NW
Clouds, amount & kind.	9 Pm N from Rs	9 Pm R M from Rs

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	72.4	80.3	72.6
" No. 3			
" No. 4	72.6	80.7	72.8

At 7 A.M. Dry 73.5 Wet 72.0 No. 4 72.6

	78.0	79.8
	69.1	68.8
	8.9	11.0
	62	53

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JULY, 30 1876.

Prof. Whitaker's thermometers { Large 10 A.M. 72.4 2 P.M. 73.2 3 P.M. 71.6
Small 72.8 73.7 72.0

	10 A. M.	3 P. M.	At 7 A. M.
Barometer . . .	30.087	30.052	Dry 65.1 Wet 63.6
Thermometer attached.	72.8	75.8	No. 4 64.6
" external No. 2.	72.0	71.1	
" " No. 3.			
" " No. 4.	71.9	70.8	
" Maximum .	81.9		
" " (Set) .	71.7		
" Minimum .	60.9		
" " (Set) .	71.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	72.8	71.5	72.0 70.7
" Wet " . . .	61.8	62.3	62.4 62.9
			9.6 7.8
Rain gauge C . . .	0 8ounces 0.011 inches		55 62
Wind, force & direction.	3e E	4e E	
Clouds, amount & kind.	10 Pm Fm	10 Pm Fm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	64.1	72.9	61.0
" No. 3 .			
" No. 4 .	64.6	73.1	61.1

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JULY, 31 1876.

Prof. Whitaker's thermometers } Large / Small

	10 A.M.	2 P.M.	4 P.M.
Large	60.2	61.0	61.8
Small	60.3	61.4	62.2

	10 A. M.	4 P. M.
Barometer	29.955	29.963
Thermometer attached.	67.9	68.0
" external No. 2.	59.9	61.9
" " No. 3.		
" " No. 4.	59.8	61.9
" Maximum	74.0	
" " (Set)	59.4	
" Minimum	55.5	
" " (Set)	59.0	
" Solar max.		
" " (Set)		
" Dry bulb	61.4	63.0
" Wet "	59.0	60.2
Rain gauge C	1½ ounces, × 0.132 inches	
Wind, force & direction.	5e NE	4e NE
Clouds, amount & kind.	10 Pm raining	10 Pm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	59.0	60.9	60.2
" No. 3			
" No. 4	58.6	61.5	60.2

Thermometers wet at 7 A. M.

60.3 62.0
59.6 60.8
0.7 1.2
96 93

× At 7½ A.M. gauge C 25 ounces 2.206 inches.
0.132 " at 10 A.M.
2.338 " in all.

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AUGUST, 1 1876.

Prof. Whitaker's Thermometers { large 72.0 / small 72.3

10 A.M. 72.0 / 72.3 — 2 P.M. 73.1 / 73.5 — 4 P.M.

	10 A. M.	4 P. M.
Barometer . . .	30.136	30.187
Thermometer attached.	67.8	74.4
" external No. 2.	71.5	70.8
" " No. 3.		
" " No. 4.	71.6	70.7
" Maximum .	70.8	
" " (Set) .	70.8	
" Minimum .	56.6	
" " (Set) .	70.6	
" Solar max. .		
" " (Set) .		
' Dry bulb . .	72.7	71.7
" Wet " . . .	64.3	63.9
Rain gauge C . . .	1 ounces 0.088 inches	
Wind, force & direction.	3 E	7 E
Clouds, amount & kind.	4 PiRs Fm	1 Rs R M large

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	61.8	72.8	64.0
" No. 3 .			
" No. 4 .	61.3	72.8	63.7

At 7 A.M. Dry 62.9 Wet 59.8 No. 4 61.3

Rain

71.9 70.9
65.0 64.6
6.9 6.3
67 69

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AUGUST, 2 1876.

	10 A. M.	3 P. M.
Barometer . . .	30.346	30.350
Thermometer attached.	69.1	75.6
" external No. 2.	73.8	74.8
" " No. 3.		
" " No. 4.	73.9	74.8
" Maximum .	73.8	
" " (Set) .	73.2	
" Minimum .	57.1	
" " (Set) .	73.0	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	75.0	75.3
" Wet " . . .	66.5	65.7
Rain gauge C . . .	0	
Wind, force & direction.	4e E	4e E
Clouds, amount & kind.	1 Cu Bs M fm R	3 R Rs M

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	63.4	75.0	66.0
" No. 3 .			
" No. 4 .	63.1	75.2	65.4

At 7 A. M.
Dry 64.7 Wet 62.5
No. 4 63.1

74.3 74.6
67.2 66.4
7.1 8.2
67 63

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AUGUST, 3 1876.

	10 A. M.	4 P. M.	At 7 A. M.
Barometer . . .	30.348	30.299	Dry 60.6 Wet 59.1
Thermometer attached.	69.4	76.1	No. 4 60.0
" external No. 2.	73.0	72.9	
" " No. 3.			
" " No. 4.	73.0	72.9	
" Maximum .	76.5		
" " (Set) .	72.6		
" Minimum .	55.3		
" " (Set) .	72.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	74.6	73.8	73.9 73.1
" Wet " . . .	63.9	60.9	64.6 61.5
Rain gauge C . . .	0		9.3 11.6
Wind, force & direction.	0 NE	5 E	57 48
Clouds, amount & kind.	0 haze Rs	2 Rs Rm R Rs M	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	59.5	75.0	65.5
" No. 3 .			
" No. 4 .	60.0	75.0	65.1

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AUGUST, 4 1876.

	10 A. M.	4 P. M.
Barometer	30.237	30.192
Thermometer attached.	68.8	76.7
" external No. 2.	74.5	79.9
" " No. 3.		
" " No. 4.	74.3	80.1
" Maximum	76.0	
" " (Set)	74.0	
" Minimum	55.0	
" " (Set)	74.0	
" Solar max.		
" " (Set)		
Dry bulb	75.7	80.8
" Wet "	62.7	67.8
Rain gauge C	0	
Wind, force & direction.	3 S	3 SW
Clouds, amount & kind.	0 haze	0 Fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	61.5	79.6	66.0
" No. 3			
" No. 4	61.0	79.7	65.9

At 7 A.M.
Dry 62.8 Wet 61.0
No. 4 61.0

75.0 80.2
63.3 66.9
11.7 13.3
49 47

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AUGUST, 5 1876.

	10 A. M.	4 P. M.
Barometer . . .	30.182	30.165
Thermometer attached.	71.0	79.4
" external No. 2.	78.2	84.8
" " No. 3.		
" " No. 4.	78.4	85.1
" Maximum .	79.1	
" " (Set) .	77.8	
" Minimum .	59.3	
" " (Set) .	77.7	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	79.4	85.3
" Wet " . . .	79.4	71.1
Rain gauge C . . .	0	
Wind, force & direction.	1c SW	2c SE
Clouds, amount & kind.	0 haze	1 Nm haze

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	65.0	85.7	75.2
" No. 3 .			
" No. 4 .	65.0	85.7	75.2

At 7 A. M.
Dry 66.0 Wet 64.4
No. 4 65.0

78.8 84.9
72.3 72.0
6.5 12.9
72 51

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AUGUST, 6 1876.

	10 A. M.	4 P. M.
Barometer	30.193	30.151
Thermometer attached.	75.0	83.3
" external No. 2.	84.0	89.7
" " No. 3.		
" " No. 4.	84.0	90.1
" Maximum	85.3	
" " (Set)	82.9	
" Minimum	67.2	
" " (Set)	83.3	
" Solar max.		
" " (Set)		
Dry bulb	85.0	90.3
" Wet "	76.5	77.6
Rain gauge C	0	
Wind, force & direction.	1 SW	4 SW
Clouds, amount & kind.	0	1 N 7 Cu

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	73.0	90.0	79.4
" No. 3			
" No. 4	73.0	90.3	79.6

At 7 A.M.
Dry 74.0 Wet 72.4
No. 4 73.0

At 2 P.M.
Dry 91.0 Wet 89.7
No. 4 90.3

84.6 90.1
77.5 78.6
7.1 11.5
71 58

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AUGUST, 7 1876.

	10 A. M.	4 P. M.
Barometer . . .	30.146	30.056
Thermometer attached.	79.3	86.0
" external No. 2.	85.9	92.0
" " No. 3.		
" " No. 4.	86.1	92.8
" Maximum .	89.9	
" " (Set) .	85.5	
" Minimum .	71.2	
" " (Set) .	85.2	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	87.0	92.7
" Wet " . . .	78.0	80.4
Rain gauge C . . .	0	
Wind, force & direction.	1e SW	4 S
Clouds, amount & kind.	0 Rs Fm	6 M Pr Rs Fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	75.6	92.0	79.0
" No. 3 .			
" No. 4 .	75.7	92.8	78.9

At 7 A. M,
Dry 76.5 Wet 75.0
No. 4 75.7

At 2 P. M,
Dry 93.0 Wet 91.9
No. 4 92.8

86.6	92.6
79.0	81.4
7.6	11.2
70	60

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AUGUST, 8 1876.

	10 A. M.	4 P. M.
Barometer	30.059	
Thermometer attached.	79.8	
" external No. 2.	80.3	
" " No. 3.		
" " No. 4.	80.9	
" Maximum	92.2	
" " (Set)	80.0	
" Minimum	71.3	
" " (Set)	79.4	
" Solar max.		
" " (Set)		
" Dry bulb	81.3	
" Wet "	69.1	
Rain gauge C	0 & ounces 0.011 inches	
Wind, force & direction.	2 NW	
Clouds, amount & kind.	7 Pi Pm Fm Rs R	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	76.6		74.2
" No. 3			
" No. 4	76.4		74.1

At 7 A.M.
Dry 77.4 Wet 76.0
No. 4 76.4

80.7
69.9
10.8 56

1½ P.M.
No. 2 84.0
No. 4 84.1

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AUGUST, 9 1876.

	10 A. M.	4 P. M.
Barometer . . .	30.159	
Thermometer attached.	76.5	~~82.0~~
" external No. 2.	78.2	
" " No. 3.		
" " No. 4.	78.1	
" Maximum .	84.9	
" " (Set) .	80.	
" Minimum .	63	
" " (Set) .	83.5 *	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	69.1 †	
" Wet " . . .	64.3	
Rain gauge C . . .	0	
Wind, force & direction.	4 N E	
Clouds, amount & kind.	0 haze	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	71	79.2	70.7
" No. 3 .			
" No. 4 .	70.9	79.5	70.3

*24 78.5?

†Mean 79.1

78.5
65.7
12.8
48

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AUGUST, 10 1876.

8.1~
7.0.2

	10 A. M.	4 P. M.
Barometer	30.249	30.236
Thermometer attached.	74.8	82.0
" external No. 2.	79.7	79.6
" No. 3.		
" No. 4.	76.3	79.8
" Maximum	70.2	
" " (Set)	68.9	
" Minimum	61.1~	
" " (Set)	79.0	
" Solar max.		
" " (Set)		
Dry bulb	79.9	80.2
" Wet "	69.1	66.1
Rain gauge C	0	
Wind, force & direction.	2 S.33°W	2, S, 40. E.
Clouds, amount & kind.	0. Haze	0. Haze

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	66.8	79.8	68.5~
" No. 3			
" No. 4	66.5	79.6	68.7

At 7 P.M.
Dry = 68.1 Wet = 64

79.3 79.6
69.9 66.8
9.4 12.8
60 48
+ 2y 80.2 81.3
78.9 80.0

Mr. Smedley says he might have read the lower end of the detached column of mercury in the maximum thermometer both before and after setting. As this detached portion is about ten degrees long a correction of that amount may be added to the evidently erroneous readings.

It appears from repeated observations in the last half of August that the detached portion of the mercury is 11.1 degrees long. That quantity may therefore be added to the maximum readings Aug. 10, 11, 12.

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AUGUST, 19 1876.

	10 A. M.	4 P. M.	
Barometer . . .	30.224	30,240	at 7 A.M. Dry-bulb 67.8
Thermometer attached.	74.0	81.3	Wet 64.1
" external No. 2.	76.0	76,3	
" " No. 3.			
" " No. 4.	78.9	79,2	
" Maximum .	72.6 x		x See note Aug. 10.
" " (Set) .	67,2 x		
" Minimum .	61.2		
" " (Set) .	78.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	79.9	79.9	79.3 79.3
" Wet " . . .	71.3	69,1	72.4 69.9
Rain gauge C . . .	0.6		6.9 9.4
Wind, force & direction.	3 S 3° W	4 E	70 60
Clouds, amount & kind.	0. Cu	1. Cu Rs M.	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	67.1	80.8	70.1
" No. 3 .			
" No. 4 .	66.9	80.7	76.2

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AUGUST, 12 1876.

	10 A. M.	4 P. M.	
Barometer	30.268	30.230	Ar 7 A.M. Dry bulb 70.3 Wet bulb 67.0
Thermometer attached.	73.1	81.9	
" external No. 2.	77.8	78.9	
" " No. 3.			
" " No. 4.	77.7	78.7	
" Maximum	72.3 *		* See note Aug. 10
" " (Set)	67.3 *		
" Minimum	64.8		
" " (Set)	77.9		
" Solar max.			
" " (Set)			
" Dry bulb	79.8	78.1	79.2 77.5
" Wet "	71.2	69.6	70.7 68.8
			8.5 8.7
Rain gauge C	0		64 62
Wind, force & direction.	4 S 30 W	3 E	
Clouds, amount & kind.	0. Fair Pr.	0 M. Pr	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	70.0	80.0	72.8
" No. 3			
" No. 4	69.9	79.9	72.4

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AUGUST, 13 1876.

	10 A. M.	4 P. M.
Barometer	30.249	30.201
Thermometer attached.	76.3	82.7
" external No. 2.	79.9	86.6
" " No. 3.		
" " No. 4.	80.4	86.6
" Maximum	84.6	
" " (Set)	79.7	
" Minimum	66.1	
" " (Set)	79.3	
" Solar max.		
" " (Set)		
" Dry bulb	80.8	86.7
" Wet "	73.3	74.9
Rain gauge C	0	
Wind, force & direction.	2e SW	5e SW
Clouds, amount & kind.	3 Fm Cu	4 N Fm Cu Ri

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	71.1	87.0	73.4
" No. 3			
" No. 4	71.1	88.0	73.4

At 8 A. M.
Dry 75.0 Wet 73.6
No. 4 74.0

80.2 86.3
74.3 75.9
5.9 10.4
74 60

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AUGUST, 14 1876.

	10 A. M.	4 P. M.
Barometer	30.167	30.068
Thermometer attached.	76.0	83.3
" external No. 2.	78.0	85.0
" " No. 3.		
" " No. 4.	78.8	85.3
" Maximum	88.0	
" " (Set)	77.9	
" Minimum	67.0	
" " (Set)	77.2	
" Solar max.		
" " (Set)		
" Dry bulb	79.2	85.3
" Wet "	73.5	72.1
Rain gauge C	.10	
Wind, force & direction.	2 SW	3 S
Clouds, amount & kind.	7 Rs Fm haze	7 PuRs Fm haze

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	72.3	86.1	74.4
" No. 3			
" No. 4	72.8	86.6	74.2

At 9 A.M.
Dry 74.8 Wet 73.4
No. 4 74.6

78.6 84.9
74.5 73.0
4.1 11.9
82 54

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AUGUST, 15 1876.

	10 A. M.	4 P. M.
Barometer . . .	29.836	29.778
Thermometer attached.	77.7	81.7
" external No. 2.	74.9	72.7
" " No. 3.		
" " No. 4.	75.0	73.0
" Maximum .	85,8	
" " (Set) .	75.0	
" Minimum .	69.0	
" " (Set) .	74.0	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	75.9	74,5
" Wet " . . .	71.3	71.1
Rain gauge C . . .	0 1/8 inches 0.011 inches	
Wind, force & direction.	4 E N	4 S
Clouds, amount & kind.	10 Pm	10 Pm Fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	71.2	85.0	73.0
" No. 3 .			
" No. 4 .	71.3	85.0	72.7

At 7 5/12 A.M.
Dry 72.4 Wet 70.8
No. 4 71.5

At 2 P.M.
Dry 85.9 Wet 84.0
No. 4 85.0

75.2	73.8
72.2	72.0
3.0	1.8
86	91

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AUGUST, 16 1876.

	10 A. M.	4 P. M.
Barometer	30.046	30.058
Thermometer attached.	76.0	79.1
" external No. 2.	72.1	69.0
" " No. 3.		
" " No. 4.	72.1	68.9
" Maximum	85.2	
" " (Set)	72.6	
" Minimum	68.0	
" " (Set)	71.3	
" Solar max.		
" " (Set)		
Dry bulb	73.1	69.1
" Wet "	63.1	61.0
Rain gauge C	2¼ ounces 0.199 inches	
Wind, force & direction.	4 NE	2 SE
Clouds, amount & kind.	0 M 7m	5 Pm 7m R Rs

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	69.6	71.1	66.2
" No. 3			
" No. 4	69.5	71.1	65.7

At 7½ A.M.
Dry 71.1 Wet 69.7
No. 4 70.5

74.2
60.4

71.6
61.2

72.3 68.2
63.7 61.6
8.6 6.6
60 67

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AUGUST, 17 1876.

	10 A. M.	4 P. M.	
Barometer	30.085	30.052	At 7⅔ A.M. Dry 70.9 Wet 69.1 No. 4 70.0
Thermometer attached.	73.9	74.2	
" external No. 2.	73.9	67.0	
" " No. 3.			
" " No. 4.	74.2	67.6	
" Maximum	74.0		62.8 62.0
" " (Set)	73.6		62.6 62.2
" Minimum	63.8		
" " (Set)	73.0		
" Solar max.			
" " (Set)			
" Dry bulb	75.0	67.9	74.3 67.0
" Wet "	69.8	66.2	70.6 66.9
			3.7 0.1
Rain gauge C	0		
Wind, force & direction.	0 SW	3 SW	8 2 99
Clouds, amount & kind.	10 Pm	10 Pm raining	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	63.1	68.2	64.8
" No. 3			
" No. 4	63.2	69.2	65.1

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AUGUST, 18 1876.

	10 A. M.	4 P. M.		
Barometer	30.072	30.014		
Thermometer attached.	71.3	76.6		
" external No. 2.	69.0	72.9		
" " No. 3.				
" " No. 4.	69.7	73.2		
" Maximum	74.9		63.8	
" " (Set)	68.0		56.1	
" Minimum	63.3		56.8	
" " (Set)	68.5		55.8	
" Solar max.				
" " (Set)				
Dry bulb	70.4	73.7	69.6	73.0
" Wet "	63.9	66.0	64.6	66.7
			5.0	6.3
Rain gauge C	10½ ounces 0.905 inches			
Wind, force & direction.	2e NE	4e SE	75	70
Clouds, amount & kind.	10 Pm	2 haze		

	7½ A. M.	2 P. M.	9 P. M.
Thermometer No. 2	65.0	73.5	65.2
" No. 3			
" No. 4	66.0	73.9	65.1

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AUGUST, 99 1876.

	10 A. M.	4 P. M.	At 9 A. M.
Barometer	29.975	29.930	Dry 69.7 Wet 68.0
Thermometer attached.	71.5	75.8	No. 4 69.2
" external No. 2.	70.5	68.9	
" " No. 3.			
" " No. 4.	70.7	68.7	
" Maximum	72.9		61.8 59.9
" " (Set)	71.0		59.2 59.5
" Minimum	60.2		
" " (Set)	70.1		
" Solar max.			
" " (Set)			
" Dry bulb	71.1	69.6	70.3 68.7
" Wet "	63.3	63.0	63.9 63.6
Rain gauge C	0		6.4 5.1
Wind, force & direction.	2 E	7 E	68 74
Clouds, amount & kind.	10 Pm Fm	10 Pm Fm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	67.0	69.8	64.8
" No. 3			
" No. 4	67.2	69.6	64.5

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AUGUST, 20 1876.

	10 A. M.	4 P. M.	At 2½ P.M. Dry 76.3 Wet 75.0 No.4 75.6
Barometer . . .	29.794	29.849	
Thermometer attached.	71.0	76.2	
" external No. 2.	70.0	70.4	
" " No. 3.			Rain about 7 A.M.
" " No. 4.	71.5	70.7	
" Maximum .	72.1		61.0 58.0
" " (Set) .	69.0		57.6 57.2
" Minimum .	61.9		
" " (Set) .	70.1		
" Solar max. .	6		
" " (Set) .			
" Dry bulb . .	72.5	71.3	71.7 70.5
" Wet " . . .	66.9	59.4	67.7 60.0
Rain gauge C . . .	17 division 0.165 inches		@4.0 10.5
Wind, force & direction.	3 W	10 N	80 5-1
Clouds, amount & kind.	2 Fcu	3 Fcu N	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	63.5	75.3	59.0
" No. 3 .			
" No. 4 .	63.5	75.6	58.1

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AUGUST, 21 1876.

	10 A. M.	4 P. M.
Barometer	30.116	30.017
Thermometer attached.	63.6	67.3
" external No. 2.	59.1	64.3
" " No. 3.		
" " No. 4.	58.9	64.3
" Maximum	79.6	
" " (Set)	69.0	
" Minimum	49.7	
" " (Set)	58.1	
" Solar max.		
" " (Set)		
" Dry bulb	60.2	65.2
" Wet "	49.4	48.4
Rain gauge C	0	
Wind, force & direction.	7 NW	6 NW
Clouds, amount & kind.	6 Pn Rs R M 7m	4 M 7m

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	53.1	63.6	55.9
" No. 3			
" No. 4	53.0	63.5	55.7

At 2 P.M.
Dry 64.4 Wet 62.1
No. 4 63.5

59.1	64.2
50.1	49.1
9.0	15.1
48	25

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AUGUST, 22 1876.

	10 A. M.	4 P. M.
Barometer	29.967	29.933
Thermometer attached.	63.9	70.7
" external No. 2.	65.9	72.3
" " No. 3.		
" " No. 4.	66.1	72.3
" Maximum	65.9	
" " (Set)	65.8	
" Minimum	49.0	
" " (Set)	65.2	
" Solar max.		
" " (Set)		
" Dry bulb	66.9	73.2
" Wet "	54.8	55.0
Rain gauge C	0	
Wind, force & direction.	5 NW	7 NW
Clouds, amount & kind.	5 Pi Rs Nm	1 Pi Rs

At 7 3/4 A.M.
Dry 60.2 Wet 58.3
No. 4 58.8

66.0 72.4
55.4 55.6
10.6 16.8
46 28

	6½ A. M.	2 P. M.	9 P. M.
Thermometer No. 2	53.6	72.0	62.8
" No. 3			
" No. 4	52.5	72.1	62.9

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AUGUST, 23 1876.

	10 A. M.	4 P. M.
Barometer	30.150	30.152
Thermometer attached.	67.0	71.9
" external No. 2.	67.8	65.0
" " No. 3.		
" " No. 4.	67.6	64.9
" Maximum	72.0	
" " (Set)	68.0	
" Minimum	57.0	
" " (Set)	67.0	
" Solar max.		
" " (Set)		
" Dry bulb	68.8	65.8
" Wet "	59.5	56.0
Rain gauge C	0	
Wind, force & direction.	4 E	4 E
Clouds, amount & kind.	2 M 7m	0 7m

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	59.7	66.0	57.2
" No. 3			
" No. 4	59.4	65.9	56.8

At 8 3/4 A.M.
Dry 65.8 Wet 64.0
No. 4 64.8

67.9 64.8
60.1 56.6
7.8 8.2
61 57

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AUGUST, 24 1876.

	10 A. M.	4 P. M.	
Barometer	30.198	30.128	At 2 P.M. Dry 76.4 Wet 75.1 Now 76.4
Thermometer attached.	64.5	72.1	
" external No. 2.	67.7	76.0	
" " No. 3.			
" " No. 4.	68.4	76.9	
" Maximum	68.0		56.9
" " (Set)	67.2		
" Minimum	50.5		
" " (Set)	67.0		
" Solar max.			
" " (Set)			
" Dry bulb	69.0	76.6	68.1 75.9
" Wet "	62.0	67.4	62.6 68.2
Rain gauge C	0		5.5 7.7
Wind, force & direction.	5 SW	6 S	72 65
Clouds, amount & kind.	10 Pm	7 M 7m Rs Large	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		75.4	66.8
" No. 3			
" No. 4		76.4	66.5

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AUGUST, 25 1876.

	10 A. M.	4 P. M.
Barometer		
Thermometer attached.		
" external No. 2.		
" " No. 3.		
" " No. 4.		
" Maximum .		
" " (Set) .		
" Minimum .		
" " (Set) .		
" Solar max. .		
" " (Set) .		
' Dry bulb . .		
" Wet " . . .		
Rain gauge C . . .		
Wind, force & direction.		
Clouds, amount & kind.		

At 2 P.M.
Dry 84.9 Wet 83.8
No. 4 84.4

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	69.0	84.0	73.2
" No. 3 .			
" No. 4 .	69.0	84.4	73.5

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AUGUST, 26 1876.

	10 A. M.	4 P. M.
Barometer	29.937	29.888
Thermometer attached.	74.5	77.0
" external No. 2.	72.7	77.0
" " No. 3.		
" " No. 4.	72.6	76.9
" Maximum	83.9	
" " (Set)	72.6	
" Minimum	62.5	
" " (Set)	71.8	
" Solar max.		
" " (Set)		
" Dry bulb	73.8	77.7
" Wet "	63.0	59.8
Rain gauge C	0	
Wind, force & direction.	3 W	3 SW
Clouds, amount & kind.	2 Cu 7 Cu	0

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	73.5	76.9	67.1
" No. 3			
" No. 4	73.6	76.9	67.1

At 2 P.M.
Dry 77.7 Wet 76.1
No. 4 76.9

73.1 77.0
63.6 60.4
9.5 16.6
57 33

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AUGUST, 27 1876.

	9 3/4 10 A. M.	4 P. M.	At 2 P.M.
Barometer	29.947	29.954	Dry 69.7 Wet 68.1
Thermometer attached.	67.3	72.3	No. 4 68.7
" external No. 2.	66.7	69.6	
" " No. 3.			
" " No. 4.	66.8	69.5	
" Maximum	76.7		65.6 55.2
" " (Set)	67.0		56.0 55.4
" Minimum	53.9		
" " (Set)	65.9		
" Solar max.			
" " (Set)			
" Dry bulb	67.8	70.4	66.9 69.6
" Wet "	56.1	55.2	56.7 55.8
Rain gauge C	0		10.2 13.8
Wind, force & direction.	11c W	6c NW	49 36
Clouds, amount & kind.	2 M 7m huge	6 Pm 7m M	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	59.0	68.8	63.0
" No. 3			
" No. 4	58.4	68.7	62.5

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AUGUST, 28 1876.

	10 A. M.	4 P. M.
Barometer	30.063	30.014
Thermometer attached.	66.6	71.4
" external No. 2.	64.8	71.8
" " No. 3.		
" " No. 4.	64.7	71.9
" Maximum	70,2	
" " (Set)	64.6	
" Minimum	55.2	
" " (Set)	64.0	
" Solar max.		
" " (Set)		
" Dry bulb	65.7	72.7
" Wet "	53.7	57.3
Rain gauge C	0	
Wind, force & direction.	8e N	7e NW
Clouds, amount & kind.	1 M 7m	0 M 7m

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	59.9	70.4	62.0
" No. 3			
" No. 4	59.7	70.3	61.2

At 2 P. M.
Dry 71.4 Wet 70,0
No. 4 70,3

64.7 71.9
54.3 57.9
10.4 14.0
46 38

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AUGUST, 29 1876.

	10 A. M.	4 P. M.
Barometer . . .	30.050	30.010
Thermometer attached.	65.0	71.9
" external No. 2.	67.2	74.6
" " No. 3.		
" " No. 4.	67.2	74.3
" Maximum .	71.3	
" " (Set) .	67.3	
" Minimum .	53.0	
" " (Set) .	66.6	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	68.4	75.2
" Wet " . . .	56.7	58.9
Rain gauge C . . .	0	
Wind, force & direction.	8 NW	5 NW
Clouds, amount & kind.	0 huge 7m	0 M 7m

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		73.1	61
" No. 3 .			
" No. 4 .		73.6	61.3

At 2 P.M.
Dry 74.1 Wet 72.6
No. 4 73.6

67.5 74.5
56.1 58.3
11.4 16.2
44 32

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AUGUST, 30 1876.

	10 A. M.	4 P. M.
Barometer	30.012	29.917
Thermometer attached.	66.1	74.2
" external No. 2.	71.3	80.8
" " No. 3.		
" " No. 4.	71.0	81.0
" Maximum	73.8	
" " (Set)	70.7	
" Minimum	54.9	
" " (Set)	70.4	
" Solar max.		
" " (Set)		
" Dry bulb	72.6	81.6
" Wet "	57.9	65.0
Rain gauge C	0	
Wind, force & direction.	0 W	1 W
Clouds, amount & kind.	1 Large Cs	9 Pm Nf 7 m large

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	58.5	78.4	66.2
" No. 3			
" No. 4	58.2	78.8	66.0

At 8½ A.M.
Dry 64.4 Wet 62.6
No. 4 63.0

At 2 P.M.
Dry 79.3 Wet 78.0
No. 4 78.8

71.8	81.1
58.5	65.7
13.3	15.4
40	40

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1876phae.proj..375.

AUGUST, 31 1876.

	10 A. M.	4 P. M.
Barometer	29.952	29.900
Thermometer attached.	68.2	76.3
" external No. 2.	73.8	82.0
" " No. 3.		
" " No. 4.	73.5	82.1
" Maximum	80.0	
" " (Set)	72.9	
" Minimum	54.0	
" " (Set)	73.0	
" Solar max.		
" " (Set)		
" Dry bulb	74.8	82.8
" Wet "	61.2	65.4
Rain gauge C	0	
Wind, force & direction.	0 NW	3 SW
Clouds, amount & kind.	2 haze	2 haze

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	63.8	81.3	69.4
" No. 3			
" No. 4	63.2	81.4	69.0

At 7 11/12 A.M.
Dry 64.5 Wet 63.0
No. 4 62.8
No. 2 63.0

At 2 P.M.
Dry 82.1 Wet 60.8
No. 4 81.4

68.9
61.8

74.1 82.3
61.8 66.1
12.3 16.2
46 38

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SEPTEMBER, 1 1876.

	10 A. M.	4 P. M.
Barometer	29.892	29.799
Thermometer attached.	71.5	80.4
" external No. 2.	77.8	85.8
" " No. 3.		
" " No. 4.	78.0	86.1
" Maximum	89.4	
" " (Set)	77.0	
" Minimum	63.1	
" " (Set)	76.9	
" Solar max.		
" " (Set)		
" Dry bulb	79.0	86.4
" Wet "	69.0	71.8
Rain gauge C	0	
Wind, force & direction.	2 c SW	4 c SW
Clouds, amount & kind.	5 haze Rs fm	9 Rs haze

	7¼ A. M.	2 P. M.	9 P. M.
Thermometer No. 2	67.8	87.9	72.9
" No. 3			
" No. 4	67.8	88.3	73.0

At 8¼ A.M.
Dry 72.2 Wet 70.8
No. 4 71.2
At 2 P.M.
Dry 88.7 Wet 87.5
No. 4 88.3

78.4 86.0
69.8 72.7
8.6 13.3
63 50

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SEPTEMBER, 2 1876.

	10 A. M.	4 P. M.	At 2 P.M.
Barometer	29.596	29.678	Dry 75.1 Wet 73.6
Thermometer attached.	74.7	74.0	No. 4 74.3
" external No. 2.	70.0	72.9	
" " No. 3.			
" " No. 4.	70.3	72.8	
" Maximum	88.2		
" " (Set)	68.4		
" Minimum	65.5		
" " (Set)	69.4		
" Solar max.			
" " (Set)			
" Dry bulb	71.1	73.7	70.3 73.0
" Wet "	61.9	55.9	62.5 56.5
			7.8 16.5
Rain gauge C	1¾ inches 0.154 inches		
Wind, force & direction.	18 NW	18 NW	62 29
Clouds, amount & kind.	5 Pm M fan	1 M 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	69.4	74.3	61.0
" No. 3			
" No. 4	69.9	74.3	60.8

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SEPTEMBER, 3 1876.

	10 A. M.	4 P. M.
Barometer	30.018	29.970
Thermometer attached.	64.0	73.0
" external No. 2.	65.1	72.7
" " No. 3.		
" " No. 4.	65.0	72.6
" Maximum	73.9	
" " (Set)	65.1	
" Minimum	51.1	
" " (Set)	64.3	
" Solar max.		
" " (Set)		
" Dry bulb	66.1	73.4
" Wet "	52.2	55.8
Rain gauge C	0	
Wind, force & direction.	7 c NW	11 c S W
Clouds, amount & kind.	0	1 N 7m

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	56.7	71.6	60.7
" No. 3			
" No. 4	56.0	71.6	60.3

At 2 P.M.
Dry 72.5 Wet 71.0
No. 4 71.6

65.2 72.6
52.8 56.4
12.4 16.2
38 30

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SEPTEMBER, 4 1876.

	10 A. M.	4 P. M.	At 8 A. M.
Barometer	29.928	29.840	Dry 64.2 Wet 62.4
Thermometer attached.	61.3	73.0	No. 4 62.7
" external No. 2.	73.0	79.0	
" " No. 3.			
" " No. 4.	72.5	79.4	
" Maximum	72.1		
" " (Set)	72.0		
" Minimum	52.1		
" " (Set)	72.0		
" Solar max.			
" " (Set)			
" Dry bulb	74.2	79.9	73.5 79.3
" Wet "	60.4	63.9	61.0 64.5
Rain gauge C	0		12.5 14.8
Wind, force & direction.	2 e SW	4 e SW	45 41
Clouds, amount & kind.	1 Pm Fm	8 Pm Fm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	59.0	78.8	63.3
" No. 3			
" No. 4	58.2	79.0	63.4

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SEPTEMBER, 5 1876.

	10 A. M.	4 P. M.	At 8 A. M.
Barometer . . .	29.961	29.951	Dry 57.8 Wet 55.8
Thermometer attached.	64.0	64.5	No. 4 56.5
" external No. 2.	62.0	62.0	
" " No. 3.			
" " No. 4.	61.7	62.1	
" Maximum .	78.7		
" " (Set) .	62.4		
" Minimum .	51.7		
" " (Set) .	61.2		
" Solar max. .			
" " (Set) .			
Dry bulb . .	63.0	63.0	62.0 62.0
" Wet " . . .	50.1	48.5	50.8 49.2
Rain gauge A C . . .	0 3/4 ounces 0.066 inches		11.2 12.8
Wind, force & direction.	7 NW	11 NW	40 33
Clouds, amount & kind.	0 M Fm	6 M Fm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	54.1	62.8	52.4
" No. 3 .			
" No. 4 .	53.8	62.8	52.7

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SEPTEMBER, 6 1876.

	10 A. M.	4 P. M.
Barometer	30.016	30.009
Thermometer attached.	59.2	66.2
" external No. 2.	62.5	69.7
" " No. 3.	[illegible]	69.7
" " No. 4.	62.2	
" Maximum	64.5	
" " (Set)	62.0	
" Minimum	45.5	
" " (Set)	61.3	
" Solar max.		
" " (Set)		
" Dry bulb	63.5	70.2
" Wet "	50.7	64.4
Rain gauge C	0	
Wind, force & direction.	8e NW	6e NW
Clouds, amount & kind.	0 M 7m	5 M 7m

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	52.9	68.8	59.2
" No. 3			
" No. 4	52.3	68.7	58.9

At 8 1/3 A.M.
Dry 58.0 Wet 56.1
No. 4 56.8

62.5 69.4
51.4 65.1
11.1 4.3
41 78

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SEPTEMBER, 7 1876.

	10 A. M.	4 P. M.
Barometer	30.096	30.044
Thermometer attached.	60.8	68.9
" external No. 2.	63.9	66.8
" " No. 3.		
" " No. 4.	64.8	66.6
" Maximum	69.4	
" " (Set)	63.9	
" Minimum	47.5	
" " (Set)	63.2	
" Solar max.		
" " (Set)		
" Dry bulb	65.2	67.3
" Wet "	55.9	55.2
Rain gauge C	0	
Wind, force & direction.	0 NW	4 E
Clouds, amount & kind.	10 Pm Fm Rs	9 PmKs

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	53.6	68.2	59.2
" No. 3			
" No. 4	53.4	68.1	59.2

At 8 A. M.
Dry 57.5 Wet 55.7
No. 4 56.6

64.2 66.4
56.5 55.8
7.7 10.6
59 47

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SEPTEMBER, 8 1876.

	10 A. M.	4 P. M.
Barometer	29.924	29.826
Thermometer attached.	64.1	65.8
" external No. 2.	63.8	64.2
" " No. 3.		
" " No. 4.	64.2	64.4
" Maximum	70.0	
" " (Set)	63.7	
" Minimum	53.5	
" " (Set)	63.0	
" Solar max.		
" " (Set)		
" Dry bulb	64.9	65.2
" Wet "	60.3	59.8
Rain gauge C	0	
Wind, force & direction.	4 SE	4 S
Clouds, amount & kind.	10 Pm N fm	10 Pm

At 8 A.M. Dry 64.1 Wet 62.2 No. 4 62.8

A little rain at times

	63.9	64.2
	60.9	60.4
	3.0	3.8
	83	79

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	59.3	66.0	60.0
" No. 3			
" No. 4	58.8	66.5	59.9

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SEPTEMBER, 9 1876.

	10 A. M.	4 P. M.		
Barometer	29.957	30.056		
Thermometer attached.	64.0	63.2		
" external No. 2.	58.0	54.3		
" " No. 3.				
" " No. 4.	57.9	54.1		
" Maximum	66.0			
" " (Set)	58.0			
" Minimum	56.0			
" " (Set)	57.0			
" Solar max.				
" " (Set)				
Dry bulb	58.9	55.2	57.8	54.0
" Wet "	55.6	52.2	56.2	52.8
			1.6	1.2
Rain gauge C	1 ounce = 0.088 inches		96	92
Wind, force & direction.	6 NE	4 NE		
Clouds, amount & kind.	10 Pm a little fine rain	10 Pm		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	58.9	56.3	53.5
" No. 3			
" No. 4	58.3	56.1	53.5

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SEPTEMBER, 10 1876.

	10 A. M.	4 P. M.		
Barometer	30.156	30.113		
Thermometer attached.	59.0	66.0		
" external No. 2.	60.2	64.8		
" " No. 3.				
" " No. 4.	59.9	64.9		
" Maximum	59.7			
" " (Set)	54.9			
" Minimum	47.0			
" " (Set)	50.3			
" Solar max.				
" " (Set)				
" Dry bulb	61.5	65.6	60.4	64.6
" Wet "	50.1	53.0	50.8	53.6
Rain gauge C	0 1/8 ounces 0.011 inches		9.6	11.0
Wind, force & direction.	6 N	4 SE	47	44
Clouds, amount & kind.	0 Rs	10 PtRs 7m		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	52.6	66.3	55.2
" No. 3			
" No. 4	51.8	67.0	54.7

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SEPTEMBER, 11 1876.

	10 A. M.	4 P. M.		
Barometer	30.043	29.932		
Thermometer attached.	61.8	67.6		
" external No. 2.	64.5	68.2		
" " No. 3.				
" " No. 4.	65.0	68.7		
" Maximum	66.6			
" " (Set)	62.0			
" Minimum	50.3			
" " (Set)	63.8			
" Solar max.				
" " (Set)				
Dry bulb	65.8	68.8	64.8	67.9
" Wet "	56.4	57.2	57.0	57.8
Rain gauge C	0		7.8	10.1
Wind, force & direction.	0 NW	4 S	59	50
Clouds, amount & kind.	10 Pcu Fm	10 Pcu Fm Rm		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	55.3	70.3	55.9
" No. 3			
" No. 4	55.1	71.2	55.2

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SEPTEMBER, 12 1876.

	10 A. M.	4 P. M.
Barometer	29.958	30.009
Thermometer attached.	62.7	68.7
" external No. 2.	65.8	64.6
" " No. 3.		
" " No. 4.	65.4	64.4
" Maximum	70.4	
" " (Set)	65.3	
" Minimum	52.4	
" " (Set)	65.0	
" Solar max.		
" " (Set)		
" Dry bulb	67.0	65.0
" Wet "	55.2	53.3
Rain gauge C	0	
Wind, force & direction.	3c NE	5c SE
Clouds, amount & kind.	1 PR M	1 M fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	55.0	65.6	56.2
" No. 3			
" No. 4	54.8	65.6	57

At 7 5/6 A.M.
Dry 57.9 Wet 55.9
No. 4 56.5

66.1	64.0
55.8	53.9
10.3	10.1
48	46

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SEPTEMBER, 13 1876.

	10 A. M.	4 P. M.
Barometer	30.216	30.183
Thermometer attached.	62.0	67.9
" external No. 2.	62.3	65.0
" " No. 3.		
" " No. 4.	62.8	64.9
" Maximum	68.0	
" " (Set)	62.2	
" Minimum	49.1	
" " (Set)	61.8	
" Solar max.		
" " (Set)		
" Dry bulb	63.7	65.6
" Wet "	57.1	58.7
Rain gauge C	0	
Wind, force & direction.	2 N	3 E
Clouds, amount & kind.	10 Pm fm	10 Pm fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	52.1	69.0	56.7
" No. 3			
" No. 4	51.8	69.2	56.5

At $7\frac{5}{6}$ A. M.
Dry 54.9 Wet 53.1
No. 4 53.8

Auroral arch
$7\frac{1}{2}$ to 8 P. M.

62.7	64.6
57.7	59.3
5.0	5.3
72	71

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SEPTEMBER, 14 1876.

	10 A. M.	4 P. M.
Barometer	30.197	30.120
Thermometer attached.	63.7	69.0
" external No. 2.	68.8	71.5
" " No. 3.		
" " No. 4.	68.7	71.6
" Maximum	70.3	
" " (Set)	68.0	
" Minimum	51.9	
" " (Set)	68.0	
" Solar max.		
" " (Set)		
" Dry bulb	69.8	72.4
" Wet "	58.8	57.7
Rain gauge C	0	
Wind, force & direction.	5 SW	11 SW
Clouds, amount & kind.	3 Cu N 7m haze	3 Cu Ri N 7m

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	58.0	74.1	61.7
" No. 3			
" No. 4	57.5	74.7	61.3

69.0	71.6
59.4	58.3
9.6	13.3
53	40

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SEPTEMBER, 15 1876.

	10 A. M.	4 P. M.
Barometer	29.918	29.866
Thermometer attached.	65.2	70.4
" external No. 2.	70.6	74.8
" " No. 3.		
" " No. 4.	70.7	74.8
" Maximum	74.0	
" " (Set)	69.6	
" Minimum	57.9	
" " (Set)	64.2	
" Solar max.		
" " (Set)		
Dry bulb	72.0	75.7
" Wet "	65.9	63.3
Rain gauge C	0	
Wind, force & direction.	4 SW	5 SW
Clouds, amount & kind.	10 Pm Fm	2 Pm M Fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	63.0	74.1	63.8
" No. 3			
" No. 4	62.7	74.7	63.2

At 7 3/4 A. M.
Dry 65.0 Wet 63.2
No. 4 64.1

71.2	75.0
66.6	63.9
4.6	11.1
78	57

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SEPTEMBER, 16 1876.

	10 A. M.	4 P. M.
Barometer . . .	30.350	30.400
Thermometer attached.	64.0	68.1
" external No. 2.	61.2	59.0
" " No. 3.		
" " No. 4.	61.1	58.6
" Maximum .	75.7	
" " (Set) .	61.3	
" Minimum .	51.6	
" " (Set) .	60.5	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	62.5	59.4
" Wet " . . .	50.9	50.5
Rain gauge C . . .	0	
Wind, force & direction.	3 E	4 E
Clouds, amount & kind.	3 M 7m R	9 R Rs Am

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	54.5	59.4	53.6
" No. 3 .			
" No. 4 .	54.0	59.0	53.0

At 7⅝ A. M.
Dry 56.7 Wet 55.0
No. 4 55.6

61.5	58.3
51.6	51.2
9.9	7.1
46	58

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1876phae.proj..375.

SEPTEMBER, 7 1876.

	10 A. M.	4 P. M.		
Barometer . . .	30.448	30.313		
Thermometer attached.	60.5	61.2		
" external No. 2.	56.3	56.2		
" " No. 3.				
" " No. 4.	56.1	56.0		
" Maximum .	61.7			
" " (Set) .	56.7			
" Minimum .	46.3			
" " (Set) .	55.2			
" Solar max. .				
" " (Set) .				
" Dry bulb . .	57.2	57.2	56.1	56.1
" Wet " . . .	52.7	54.6	53.3	55.2
			2.8	0.9
Rain gauge C . . .	0¼ ounces 0.022 inches		82	94
Wind, force & direction.	3° NE	10° E		
Clouds, amount & kind.	10 Pm 7 am raining	10 Pm		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	56.9	56.6	55.8
" No. 3 .			
" No. 4 .	56.5	56.4	55.8

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SEPTEMBER, 18 1876.

	10 A. M.	4 P. M.		
Barometer . . .	29.955	29.846		
Thermometer attached.	62.7	66.6		
" external No. 2.	62.2	64.0		
" " No. 3.				
" " No. 4.	62.6	64.5		
" Maximum .	61.6			
" " (Set) .	61.6			
" Minimum .	54.2			
" " (Set) .	61.5			
" Solar max. .				
" " (Set) .				
' Dry bulb . .	63.9	65.4	62.9	64.4
" Wet " . . .	61.5	62.3	62.1	62.9
			0.8	1.5
Rain gauge C . . .	24 3/4 ounces 2.184 inches		95	92
Wind, force & direction.	1 N	1 SE		
Clouds, amount & kind.	10 Am fog	10 Pm a little rain		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	59.1	66.0	61.8
" No. 3 .			
" No. 4 .	59.1	67.2	61.8

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SEPTEMBER, 19 1876.

	10 A. M.	4 P. M.	
Barometer	29.675	29.692	
Thermometer attached.	65.0	68.3	
" external No. 2.	65.6	66.4	
" " No. 3.			
" " No. 4.	66.5	66.6	
" Maximum	67.9		
" " (Set)	64.0		
" Minimum	60.3		
" " (Set)	64.9		
" Solar max.			
" " (Set)			
" Dry bulb	66.7	67.4	65.8 68.5
" Wet "	61.5	61.3	62.1 61.9
			3.7 6.6
Rain gauge C	1 3/8 ounces 0.121 inches		80 67
Wind, force & direction.	2 W	2 NE	
Clouds, amount & kind.	10 Pm M 7m	9 Pm M 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	61.8	66.8	60.5
" No. 3			
" No. 4	62.0	67.0	60.5

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SEPTEMBER, 20 1876.

	10 A. M.	4 P. M.	At 8 A. M.
Barometer	29.868	29.956	Dry 59.4 Wet 57.5
Thermometer attached.	63.3	63.1	No.2 58.3 No.4 58.7
" external No. 2.	58.0	55.6	
" " No. 3.			
" " No. 4.	58.1	56.0	
" Maximum	67.0		
" " (Set)	57.9		
" Minimum	56.0		
" " (Set)	57.0		
" Solar max.			
" " (Set)			
" Dry bulb	59.0	57.1	57.9 56.0
" Wet "	55.9	53.9	56.5 54.4
Rain gauge C	0		1.4 1.6
Wind, force & direction.	5 NE	5 NE	91 90
Clouds, amount & kind.	10 Pm	10 Pm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		55.3	55.0
" No. 3			
" No. 4		55.9	54.6

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SEPTEMBER, 21 1876.

	10 A. M.	4 P. M.		
Barometer . . .	30.200	30.222		
Thermometer attached.	59.6	60.4		
" external No. 2.	54.0	55.2		
" " No. 3.				
" " No. 4.	53.7	55.1		
" Maximum .	58.7			
" " (Set) .	54.2			
" Minimum .	51.1			
" " (Set) .	53.0			
" Solar max. .				
" " (Set) .				
Dry bulb . .	55.0	56.2	53.8	53.0
" Wet " . . .	51.3	51.4	52.0	52.0
			1.8	3.0
Rain gauge C . . .	0 5/8 ounces 0.055 inches		88	80
Wind, force & direction.	6 NE	6 NE		
Clouds, amount & kind.	10 Pm M7 fm	10 Pm fm		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	52.9	55.3	52.5
" No. 3 .			
" No. 4 .	52.5	55.3	52.1

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SEPTEMBER, 22 1876.

	10 A. M.	4 P. M.
Barometer	30.306	30.262
Thermometer attached.	58.8	64.7
" external No. 2.	59.9	58.8
" " No. 3.		
" " No. 4.	59.9	58.5
" Maximum	59.0	
" " (Set)	59.1	
" Minimum	48.1	
" " (Set)	58.9	
" Solar max.		
" " (Set)		
" Dry bulb	61.0	59.6
" Wet "	48.1	50.6
Rain gauge C	0	
Wind, force & direction.	9° E	2° E
Clouds, amount & kind.	1 Rs 7m	0 Rs

At 2 P.M.
Dry 61.0 Wet 49.7
No. 4 60.0

Some aurora
9 to 10 P.M.

59.9 58.5
48.8 51.3
11.1 7.2
39 57

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	50.6	60.1	50.4
" No. 3			
" No. 4	50.3	60.0	50.4

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SEPTEMBER, 23 1876.

	10 A. M.	4 P. M.
Barometer	30.169	30.096
Thermometer attached.	57.6	63.9
" external No. 2.	56.8	59.8
" " No. 3.		
" " No. 4.	56.8	59.3
" Maximum .	60.0	
" " (Set) .	56.7	
" Minimum .	43.8	
" " (Set) .	56.0	
" Solar max. .		
" " (Set) .		
Dry bulb . .	57.9	60.4
" Wet " . . .	53.2	55.1
Rain gauge C . . .	0	
Wind, force & direction.	1 E	4 F
Clouds, amount & kind.	10 Cu	10 Cu Fm Rs Nim

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	47.3	60.9	57.2
" No. 3 .			
" No. 4 .	47.2	60.9	57.0

56.8	59.3
53.8	55.7
3.0	3.6
81	79

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SEPTEMBER, 24 1876.

	10 A. M.	4 P. M.		
Barometer	30.055	30.024		
Thermometer attached.	60.0	60.9		
" external No. 2.	57.9	58.6		
" " No. 3.				
" " No. 4.	57.8	57.9		
" Maximum	61.2			
" " (Set)	57.6			
" Minimum	51.8			
" " (Set)	57.0			
" Solar max.				
" " (Set)				
" Dry bulb	59.0	58.6	57.9	57.5
" Wet "	54.7	54.7	55.3	55.3
			2.6	2.2
Rain gauge C	0		84	86
Wind, force & direction.	6 c NE	5 c NE		
Clouds, amount & kind.	10 Pm 7m a little rain	10 Pm 7m		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	54.7	57.0	54.6
" No. 3			
" No. 4	54.3	57.0	54.5

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SEPTEMBER, 25 1876.

	10 A. M.	4 P. M.
Barometer . . .	30.020	29.986
Thermometer attached.	58.3	62.6
" external No. 2.	59.9	59.9
" " No. 3.		
" " No. 4.	59.9	59.8
" Maximum .	59.2	
" " (Set) .	59.2	
" Minimum .	50.4	
" " (Set) .	59.0	
" Solar max. .		
" " (Set) .		
Dry bulb . .	61.0	60.7
" Wet " . . .	50.3	55.3
Rain gauge C . . .	1 5/8 tonnes 0.143 inches	
Wind, force & direction.	6 c N	5 c NE
Clouds, amount & kind.	10 Pm	10 Pm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	52.3	60.8	54.8
" No. 3 .			
" No. 4 .	51.9	61.0	54.5

At 8 A.M.
Dry 55.5 Wet 53.8
No. 4 52.1

59.9	59.6
51.0	55.9
8.9	3.7
50	78

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SEPTEMBER, 26 1876.

	10 A. M.	4 P. M.		
Barometer . . .	29.794	29.699		
Thermometer attached.	59.5	61.0		
" external No. 2.	56.1	53.8		
" " No. 3.				
" " No. 4.	53.8	55.2		
" Maximum .	62.6			
" " (Set) .	56.0			
" Minimum .	52.2			
" " (Set) .	55.1			
" Solar max. .				
" " (Set) .				
' Dry bulb . .	57.0	56.4	55.8	55.2
" Wet " . . .	51.6	53.2	52.2	53.8
			3.6	1.4
Rain gauge C . . .	0.011 inches		77	90
Wind, force & direction.	6 E	5 E		
Clouds, amount & kind.	10 Pm	10 Pm mist		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	53.5	56.8	55.2
" No. 3 .			
" No. 4 .	53.1	56.2	55.2

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SEPTEMBER, 27 1876.

	10 A. M.	4 P. M.		
Barometer	29.637	29.693		
Thermometer attached.	55.7	60.5		
" external No. 2.	54.18	53.2		
" " No. 3.				
" " No. 4.	54.1	53.7		
" Maximum .	57.6			
" " (Set) .	53.7			
" Minimum .	43.8			
" " (Set) .	53.8			
" Solar max. .				
" " (Set) .				
Dry bulb . .	55.9	53.8	54.7	52.6
" Wet " . . .	48.6	48.3	49.3	49.0
	10 1/8 rings		5.4	3.6
Rain gauge C . . .	0.894 inches			
Wind, force & direction.	11 SW	5 W	65	76
Clouds, amount & kind.	5 M 7m	9 Cm A 7m a little rain		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		56.8	47.2
" No. 3 .			
" No. 4 .		57.0	47.4

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SEPTEMBER, 28 1876.

	10 A. M.	4 P. M.		
Barometer . . .	30.017	30.040		
Thermometer attached.	55.0	61.4		
" external No. 2.	55.1	61.0		
" " No. 3.				
" " No. 4.	54.9	60.8		
" Maximum .	58.1			
" " (Set) .	55.0			
" Minimum .	43.2			
" " (Set) .	54.1			
" Solar max. .				
" " (Set) .				
" Dry bulb . .	56.1	61.8	54.9	60.7
" Wet " . . .	46.2	50.0	46.9	50.7
Rain gauge C . . .	0 1/4 ounce 0.022 inches		8.0	10.0
Wind, force & direction.	13 W	5 SW	50	45
Clouds, amount & kind.	0 M 7 m Rs	0 Rs		
		8.45		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	48.0	61.8	50.4
" No. 3 .			
" No. 4 .	47.1	61.6	50.1

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SEPTEMBER, 29 1876.

	10 A. M.	4 P. M.
Barometer	30.024	29.937
Thermometer attached.	57.3	62.4
" external No. 2.	64.0	65.6
" " No. 3.		
" " No. 4.	64.1	65.8
" Maximum	63.5	
" " (Set)	63.0	
" Minimum	47.9	
" " (Set)	63.2	
" Solar max.		
" " (Set)		
Dry bulb	65.1	66.4
" Wet "	57.2	58.2
Rain gauge C	0	
Wind, force & direction.	9 S	8 S
Clouds, amount & kind.	8 M 7 m R	10 R m M 7 m

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		67.9	59.5
" No. 3			
" No. 4		68.2	58.7

At 8 A. M.
Dry 57.2 Wet 55.2
No. 2 56.0 No. 4 55.2

64.1 65.5
57.8 58.8
6.3 6.7
66 65

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SEPTEMBER, 30 1876.

	10 A. M.	4 P. M.
Barometer	29.862	29.902
Thermometer attached.	59.8	63.8
" external No. 2.	62.1	61.3
" " No. 3.		
" " No. 4.	61.8	61.2
" Maximum	67.7	
" " (Set)	61.8	
" Minimum	50.2	
" " (Set)	61.5	
" Solar max.		
" " (Set)		
" Dry bulb	63.4	62.3
" Wet "	55.7	53.3
Rain gauge C	0	
Wind, force & direction.	2 NW	2 W
Clouds, amount & kind.	6 Pc Pm Rs 7m	10 Pm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	52.0	63.7	55.0
" No. 3			
" No. 4	51.4	63.8	55.0

At $7\frac{5}{6}$ A.M.
Dry 56.4 Wet 54.4
No. 4 54.8

62,4 61.3
56.3 53.9
6.1 7.4
66 58

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OCTOBER, 1 1876.

	10 A. M.	4 P. M.
Barometer	29.851	29.847
Thermometer attached.	58.0	62.0
" external No. 2.	53.4	57.2
" " No. 3.		
" " No. 4.	53.2	57.2
" Maximum	67.0	
" " (Set)	52.0	
" Minimum	46.8	
" " (Set)	52.3	
" Solar max.		
" " (Set)		
" Dry bulb	53.4	58.2
" Wet "	47.6	47.7
Rain gauge C	5½ ounces 0.485 inches	
Wind, force & direction.	7 NW	6 W
Clouds, amount & kind.	10 Pm Nm 7m	9 Pm 7m

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	48.0	58.0	46.4
" No. 3			
" No. 4	48.0	58.2	45.3

Bulb wet

52.2	57.1
48.3	48.4
3.9	8.7
73	48

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OCTOBER, 2 1876.

	10 A. M.	4 P. M.
Barometer	29.860	29.828
Thermometer attached.	55.0	61.8
" external No. 2.	55.0	59.6
" " No. 3.		
" " No. 4.	54.4	59.5
" Maximum .	58.4	
" " (Set) .	55.0	
" Minimum .	42.1	
" " (Set) .	54.1	
" Solar max. .		
" " (Set) .		
' Dry bulb . .	55.9	60.3
" Wet " . . .	46.6	48.7
Rain gauge C . . .	0	
Wind, force & direction.	3 W	4 W
Clouds, amount & kind.	0 fm	3 M fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		60.4	48.0
" No. 3 .			
" No. 4 .		60.4	47.3

At $7\frac{3}{4}$ A. M.
Dry 46.3 Wet 44.3
No. 2 45.5 No. 4, 44.8

54.7 59.2
47.3 49.4
7.4 9.8
53 44

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OCTOBER, 3 1876.

	10 A. M.	4 P. M.
Barometer	29.898	29.783
Thermometer attached.	52.1	61.0
" external No. 2.	56.0	62.2
" " No. 3.		
" " No. 4.	55.2	62.1
" Maximum	60.9	
" " (Set)	53.6	
" Minimum	38.1	
" " (Set)	55.1	
" Solar max.		
" " (Set)		
Dry bulb	57.2	63.0
" Wet "	49.2	52.8
Rain gauge C	0	
Wind, force & direction.	7 S	5 S
Clouds, amount & kind.	0 haze	0 haze

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		62.9	52.5
" No. 3			
" No. 4		62.8	52.2

At 8 A.M.,
Dry 45.6 Wet 42.7
No. 2 44.3 No 4 43.7

56.1	62.0
49.9	53.4
6.2	8.6
62	53

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OCTOBER, 4 1876.

	10 A. M.	4 P. M.	At 8 A.M. Dry 59.8 Wet 57.7 No. 4 58.2
Barometer	29.825	29.870	
Thermometer attached.	58.4	63.7	
" external No. 2.	64.2	64.8	
" " No. 3.			
" " No. 4.	64.2	64.8	
" Maximum	63.5		
" " (Set)	63.3		
" Minimum	50.1		
" " (Set)	63.5		
" Solar max.			
" " (Set)			
" Dry bulb	65.5	65.7	64.5 64.7
" Wet "	57.8	53.6	58.4 54.2
			6.1 10.5
Rain gauge C			67 46
Wind, force & direction.	9 SW	5 SW	
Clouds, amount & kind.	7 Pr Sm fm	7 Pm fm Pr	

	7 A. M.	2½ P. M.	9 P. M.
Thermometer No. 2	57.1	67.2	
" No. 3			
" No. 4	56.5	67.4	

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OCTOBER, 5 1876.

	10 A. M.	4 P. M.		
Barometer	29.968	29.985		
Thermometer attached.	58.6	58.0		
" external No. 2.	53.1	49.9		
" " No. 3.				
" " No. 4.	53.3	49.5		
" Maximum	68.0			
" " (Set)	53.3			
" Minimum	51.0			
" " (Set)	52.1			
" Solar max.				
" " (Set)				
Dry bulb	53.9	50.7	52.7	49.4
" Wet "	49.2	47.5	49.9	48.2
Rain gauge C	0⅛ ounces 0.011 inches		2.8	1.2
Wind, force & direction.	3 NW	1 W	81	91
Clouds, amount & kind.	10 Pm raining	10 Pm		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	53.0	49.8	47.5
" No. 3			
" No. 4	52.5	49.3	47.3

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OCTOBER, 6 1876.

	10 A. M.	4 P. M.	
Barometer	29.744	29.518	At 7½ A. M. No. 2 50.0 No. 4 49.8
Thermometer attached.	54.3	59.5	
" external No. 2.	55.9	68.0	
" " No. 3.			
" " No. 4.	55.8	68.2	
" Maximum	55.4		
" " (Set)	55.4		
" Minimum	42.0		
" " (Set)	55.0		
" Solar max.			
" " (Set)			
" Dry bulb	57.2	69.0	56.1 68.1
" Wet "	54.7	62.5	55.3 63.1
			0.8 5.0
Rain gauge C	0¾ ounces 0.066 inches		
Wind, force & direction.	0 calm	12 SW	95 74
Clouds, amount & kind.	10 Pm fog	7 Bn M 7m	

	7¼ A. M.	2 P. M.	9 P. M.
Thermometer No. 2	50.3	67.3	58.0
" No. 3			
" No. 4	50.0	67.4	57.8

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OCTOBER, 7 1876.

	10 A. M.	4 P. M.		
Barometer	29.580	29.691		
Thermometer attached.	58.0	60.9		
" external No. 2.	55.9	56.0		
" " No. 3.				
" " No. 4.	55.5	55.9		
" Maximum	68.3			
" " (Set)	56.0			
" Minimum	49.0			
" " (Set)	55.0			
" Solar max.				
" " (Set)				
" Dry bulb	56.8	56.9	55.6	55.7
" Wet "	47.2	45.7	47.9	46.4
Rain gauge C	3½ o'clock a.m. 0.309 inches		7.7	9.3
Wind, force & direction.	15 SW	11 W	52	43
Clouds, amount & kind.	2 M Fm	2 M Fm		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	52.2	58.0	46.8
" No. 3			
" No. 4	51.5	58.1	46.1

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OCTOBER, 8 1876.

	10 A. M.	3½ 4 P. M.	At 7 11/12 A.M.
Barometer	29.980	29.897	Dry 42.8 Wet 40.7
Thermometer attached.	52.8	58.4	No.4 41.0
" external No. 2.	49.6	53.9	
" " No. 3.			
" " No. 4.	48.7	53.9	
" Maximum	58.2		
" " (Set)	49.6		
" Minimum	35.2		
" " (Set)	48.3		
" Solar max.			
" " (Set)			
" Dry bulb	50.4	54.4	49.1 53.2
" Wet "	41.0	43.5	41.6 44.2
			7.5 9.0
Rain gauge C	0		
Wind, force & direction.	5 SW	8 SW	47 43
Clouds, amount & kind.	0 Ro 7m	10 Pm 7m M	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	40.0	56.1	44.3
" No. 3			
" No. 4	38.9	56.2	43.3

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OCTOBER, 9 1876.

	10 A. M.	4 P. M.
Barometer	30.164	30.125
Thermometer attached.	49.6	56.0
" external No. 2.	44.2	49.0
" " No. 3.		
" " No. 4.	43.7	48.6
" Maximum	56.0	
" " (Set)	44.0	
" Minimum	33.5	
" " (Set)	43.1	
" Solar max.		
" " (Set)		
" Dry bulb	44.8	49.7
" Wet "	33.1	38.8
Rain gauge C	0	
Wind, force & direction.	6 NW	4 SW
Clouds, amount & kind.	0 Clear	1 Cir

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		49.4	39.1
" No. 3			
" No. 4		48.9	38.8

At 8 A.M.,
Dry 40.0 Wet 38.0
No. 2 39.2 No. 4 38.4

43.4	48.4
33.7	39.3
9.7	9.1
23	36

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OCTOBER, 10 1876.

	10 A. M.	4 P. M.	At 8 A. M.
Barometer	29.770	29.598	Dry 45.7 Wet 42.6
Thermometer attached.	49.0	56.3	No. 2 42.9 No. 4 44.3
" external No. 2.	53.7	61.0	
" " No. 3.	~~53.3~~		
" " No. 4.	53.3	61.0	
" Maximum	52.9		
" " (Set)	53.0		
" Minimum	34.2		
" " (Set)	52.6		
" Solar max.			
" " (Set)			
" Dry bulb	48	62.0	53.6 61.0
" Wet "	48.2	51.8	48.9 52.4
			4.7 8.6
Rain gauge C	0		
Wind, force & direction.	6 S	6 SW	69 52
Clouds, amount & kind.	8 Pi R thin	6 Pi R 7n thin	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		61.5	53.0
" No. 3			
" No. 4		61.4	52.5

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OCTOBER, 11 1876.

	10 A. M.	4 P. M.
Barometer	29.838	29.956
Thermometer attached.	48.5	54.3
" external No. 2.	47.0	48.0
" " No. 3.		
" " No. 4.	46.5	47.6
" Maximum	61.5	
" " (Set)	47.0	
" Minimum	38.1	
" " (Set)	45.9	
" Solar max.		
" " (Set)		
" Dry bulb	47.8	48.8
" Wet "	37.3	36.8
Rain gauge C	0	
Wind, force & direction.	11 NW	9 NW
Clouds, amount & kind.	0 M 7m	6 M 7m

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		48.9	37.0
" No. 3			
" No. 4		48.8	

At 8 A. M.,
Dry 43.9 Wet 42.0
No. 2 43.0 No. 4 42.5

46.5	47.5
37.8	37.5
8.7	10.0
36	28

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OCTOBER, 02 1876.

	10 A. M.	4 P. M.	
Barometer . . .	30.327	30.198	At 8½ A. M.,
Thermometer attached.	46.1	53.8	Dry 38.1 Wet 36.0
" external No. 2.	42.7	50.2	No. 2 37.2 No. 4 36.5
" " No. 3.			
" " No. 4.	41.9	49.8	White frost
" Maximum .	50.4		
" " (Set) .	42.9		
" Minimum .	29.8		
" " (Set) .	41.4		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	43.4	51.0	42.0 49.7
" Wet " . . .	34.6	39.1	35.1 39.6
			6.9 10.1
Rain gauge C . . .	0		
Wind, force & direction.	2 NW	6 W	42 31
Clouds, amount & kind.	0 Rs	0 Rs	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		56.4	42.0
" No. 3 .			
" No. 4 .		49.8	41.1

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OCTOBER, 13 1876.

	10 A. M.	4 P. M.
Barometer		
Thermometer attached.		
" external No. 2.		
" " No. 3.		
" " No. 4.		
" Maximum .		
" " (Set) .		
" Minimum .		
" " (Set) .		
" Solar max. .		
" " (Set) .		
" Dry bulb . .		
" Wet " . . .		
Rain gauge C . . .		
Wind, force & direction.		
Clouds, amount & kind.		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	40.8		42.1
" No. 3 .			
" No. 4 .	39.8		41.9

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OCTOBER, 14 1876.

	10 A. M.	4 P. M.	
Barometer . . .		29.730	
Thermometer attached.		57.2	
" external No. 2.		59.0	
" " No. 3.			
" " No. 4.		59.0	
" Maximum .		62.4	
" " (Set) .		58.7	
" Minimum .		36.3	
" " (Set) .		58.1	
" Solar max. .			
" " (Set) .			
' Dry bulb . .		59.9	58.8
" Wet " . . .		52.1	52.7
			6.1
Rain gauge C . . .			
Wind, force & direction.		5 S	64
Clouds, amount & kind.		10 Pm Fm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	41.0	62.9	55.0
" No. 3 .			
" No. 4 .	40.4	63.0	54.5

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OCTOBER, 15 1876.

	10 A. M.	4 P. M.	
eter . . .		29.691	
ometer attached.		49.0	Snow last night
external No. 2.		34.0	& early today.
" No. 3.			Gauge C at 2 P.M.
" No. 4.		33.5	4 ounces
Maximum .		58.7	0.353 inches
" (Set) .		35.5	Snow mostly melted
Minimum .		32.0	as it fell.
" (Set) .		33.2	
Solar max. .			
" (Set) .			
Dry bulb . .		34.9	38.5
Wet " . . .		28.8	29.4
			4.1
gauge C . . .			60
force & direction.		7 NW	
s, amount & kind.		1 N 7m	

	8 A. M.	2 P. M.	9 P. M.
ometer No. 2 .	33.5	33.7	31.7
No. 3 .			
No. 4 .	33.3	33.1	30.9

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OCTOBER, 16 1876.

	10 A. M.	4 P. M.	
Barometer . . .	29.799	29.750	
Thermometer attached.	40.3	49.5	
" external No. 2.	41.1	47.1	
" " No. 3.			
" " No. 4.	40.4	46.8	
" Maximum .	41.0		
" " (Set) .	41.1		
" Minimum .	30.0		
" " (Set) .	40.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	41.9	48.0	40.5 46.7
" Wet " . . .	33.8	37.8	34.3 38.3
			6.2 8.4
Rain gauge C . . .	0		
Wind, force & direction.	8 W	12 W	46 38
Clouds, amount & kind.	3 PiRs Fm	7 PiRs Fm M	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	34.3	46.7	42.3
" No. 3 .			
" No. 4 .	33.2	46.4	41.4

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OCTOBER, 17 1876.

	10 A. M.	4 P. M.	
Barometer . . .	29.673		
Thermometer attached.	49.0		
" external No. 2.	45.8	44.6	
" " No. 3.			
" " No. 4.	45.6	44.3	
" Maximum .	46.5		
" " (Set) .	45.7		
" Minimum .	40.1		
" " (Set) .	44.7		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	46.5		45.2
" Wet " . . .	39.9		40.5
			4.7
Rain gauge C . . .	0		63
Wind, force & direction.	10 W		
Clouds, amount & kind.	10 Pm		

	8 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	44.5	46.0	38.9
" No. 3 .			
" No. 4 .	43.8	45.7	38.0

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OCTOBER, 18 1876.

	10 A. M.	4 P. M.
Barometer	30.018	
Thermometer attached.	45.8	
" external No. 2.	43.9	
" " No. 3.		
" " No. 4.	43.3	
" Maximum		
" " (Set)		
" Minimum		
" " (Set)		
" Solar max.		
" " (Set)		
' Dry bulb		
" Wet "		
Rain gauge C		
Wind, force & direction.		
Clouds, amount & kind.	Clear	

Auroral light noticed between 1 & 2 A.M.

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	35.4	52.1	42.0
" No. 3			
" No. 4	34.4	51.8	41.1

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OCTOBER, 19 1876.

	10 A. M.	4 P. M.
Barometer	30.436	
Thermometer attached.	45.6	
" external No. 2.	46.2	
" " No. 3.		
" " No. 4.	45.3	
" Maximum		
" " (Set)		
" Minimum		
" " (Set)		
" Solar max.		
" " (Set)		
" Dry bulb		
" Wet "		
Rain gauge C		
Wind, force & direction.		
Clouds, amount & kind.		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	35.6	54	43.4
" No. 3			
" No. 4	34.6	53.8	42.5

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OCTOBER, 20 1876.

	10 A. M.	4 P. M.
Barometer		
Thermometer attached.		
" external No. 2.		
" " No. 3.		
" " No. 4.		
" Maximum .		
" " (Set) .		
" Minimum .		
" " (Set) .		
" Solar max. .		
" " (Set) .		
" Dry bulb . .		
" Wet " . . .		
Rain gauge C . . .		
Wind, force & direction.		
Clouds, amount & kind.		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		61.3	
" No. 3 .			
" No. 4 .		61.8	

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OCTOBER, 21 1876.

	10 A. M.	4 P. M.
Barometer . . .	29.906	
Thermometer attached.	52.4	
" external No. 2.	54.6	
" " No. 3.		
" " No. 4.	54.7	
" Maximum .		
" " (Set) .		
" Minimum .		
" " (Set) .		
" Solar max. .		
" " (Set) .		
" Dry bulb . .		
" Wet " . . .		
Rain gauge C . . .		
Wind, force & direction.		
Clouds, amount & kind.	Sky all cloudy	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	47.1	57.4	50.6
" No. 3 .			
" No. 4 .	46.1	57.3	50.5

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OCTOBER, 22 1876.

	10 A. M.	4 P. M.		
Barometer	29.950	29.917		
Thermometer attached.	53.8	56.0		
" external No. 2.	57.5	57.0		
" " No. 3.				
" " No. 4.	57.5	56.8		
" Maximum	60.7			
" " (Set)	57.0			
" Minimum	32.1			
" " (Set)	56.7			
" Solar max.				
" " (Set)				
" Dry bulb	58.4	57.9	57.3	56.8
" Wet "	55.3	54.9	55.9	55.5
			1.4	1.3
Rain gauge C	0 5/8 ounces 0.055 inches		91	91
Wind, force & direction.	1 NE	1 E		
Clouds, amount & kind.	10 Pm fog	10 Pm fog		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		59.4	52.8
" No. 3			
" No. 4		59.3	52.1

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OCTOBER, 23 1876.

	10 A. M. 30	4 P. M.	
Barometer	29.828	29.743	
Thermometer attached.	55.1	56.1	
" external No. 2.	57.3	53.0	
" " No. 3.			
" " No. 4.	57.2	54.7	× 11 A.M.
" Maximum .	58.2 ×		
" " (Set) .	58.4 ×		
" Minimum .	56.0 ×		
" " (Set) .	56.8 ×		
" Solar max. .	~~[illegible]~~		
" " (Set) .	~~[illegible]~~		
" Dry bulb . .	58.8 ×	55.9	57.7 54.7
" Wet " . . .	56.3 ×	53.4	56.9 54.0
Rain gauge C . . .	0 5/8 ounces 0.055 inches		0.8 0.7
Wind, force & direction.	1c E	2c E	9S 9S
Clouds, amount & kind.	10 P.M. Rain	10 P.M. fog	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	52.5	56.0	56.2
" No. 3 .			
" No. 4 .	52.4	55.7	56.0

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OCTOBER, 24 1876.

	10 A. M.	4 P. M.		
Barometer	29.536	29.543		
Thermometer attached.	59.2	62.4		
" external No. 2.	59.7	62.0		
" " No. 3.				
" " No. 4.	59.7	61.9		
" Maximum .	60.2			
" " (Set) .	58.0			
" Minimum .	53.7			
" " (Set) .	58.0			
" Solar max. .				
" " (Set) .				
' Dry bulb . .	61.0	62.8	59.9	61.8
" Wet " . . .	57.2	53.4	57.8	54.0
			2.1	7.8
Rain gauge C . . .	5½ ounces, 0.485 inches			
Wind, force & direction.	6 NW	4 NW	87	57
Clouds, amount & kind.	10 Pm Fm	8 Pm Fm		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	60.4	62.8	51.6
" No. 3 .			
" No. 4 .	60.5	62.5	50.5

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OCTOBER, 25 1876.

	10 A. M.	4 P. M.
Barometer	29.572	29.613
Thermometer attached.	53.7	60.0
" external No. 2.	56.0	53.7
" " No. 3.		
" " No. 4.	55.3	53.2
" Maximum	62.0	
" " (Set)	56.0	
" Minimum	43.0	
" " (Set)	55.1	
" Solar max.		
" " (Set)		
" Dry bulb	57.2	54.3
" Wet "	49.7	42.6
Rain gauge C	0	
Wind, force & direction.	3 W	5 W
Clouds, amount & kind.	5 Pm Fm	8 Pm Fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		55.8	43.3
" No. 3			
" No. 4		55.4	42.5

56.1 53.1
50.4 43.3
5.7 9.8
65 37

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OCTOBER, 26 1876.

	10 A. M.	4 P. M.		
Barometer	29.849	29.879		
Thermometer attached.	52.0	58.0		
" external No. 2.	48.0	50.0		
" " No. 3.				
" " No. 4.	47.4	49.8		
" Maximum .	57.3			
" " (Set) .	48.3			
" Minimum .	37.8			
" " (Set) .	46.9			
" Solar max. .				
" " (Set) .				
" Dry bulb . .	48.8	50.8	47.5	49.5
" Wet " . . .	40.6	41.2	41.2	41.8
			6.3	7.7
Rain gauge C . . .	0		53	46
Wind, force & direction.	3 W	5 W		
Clouds, amount & kind.	2 Rm M 7m	10 Rm M 7m		

	7 A. M.	2 1/3 P. M.	9 P. M.
Thermometer No. 2 .		51.0	45.2
" No. 3 .			
" No. 4 .		50.8	44.3

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OCTOBER, 27 1876.

	10 A. M.	4 P. M.		
Barometer	30.112	30.143		
Thermometer attached.	47.5	53.0		
" external No. 2.	44.2	44.7		
" " No. 3.				
" " No. 4.	43.7	44.3		
" Maximum	52.0			
" " (Set)	44.8			
" Minimum	33.1			
" " (Set)	43.0			
" Solar max.				
" " (Set)				
" Dry bulb	44.9	45.3	43.5	43.9
" Wet "	37.1	37.0	37.6	37.5
			5.9	6.4
Rain gauge C	0		52	49
Wind, force & direction.	6 NW	6 NW		
Clouds, amount & kind.	6 Cu Fm	10 Cu Fm		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	39.0	46.3	37.0
" No. 3			
" No. 4	38.0	46.2	36.3

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OCTOBER, 28 1876.

	10 A. M.	4 P. M.		
Barometer	30.163	30.043		
Thermometer attached.	46.5	50.9		
" external No. 2.	40.1	43.3		
" " No. 3.				
" " No. 4.	39.4	43.0		
" Maximum	46.8			
" " (Set)	41.0			
" Minimum	28.3			
" " (Set)	39.0			
" Solar max.				
" " (Set)				
" Dry bulb	40.8	44.0	39.4	42.6
" Wet "	33.1	35.7	33.7	36.2
			5.7	6.4
Rain gauge C	0			
Wind, force & direction.	3 NW	2 W	49	47
Clouds, amount & kind.	3 Pi Ru 7m	10 Pm 7m		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	32.6	45.0	33.5
" No. 3			
" No. 4	31.9	45.1	33.0

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OCTOBER, 29 1876.

	10 A. M.	4 P. M.
Barometer	30.022	29.996
Thermometer attached.	39.4	48.0
" external No. 2.	36.0	46.9
" " No. 3.		
" " No. 4.	35.2	46.5
" Maximum	45.0	
" " (Set)	36.1	
" Minimum	26.1	
" " (Set)	35.0	
" Solar max.		
" " (Set)		
" Dry bulb	36.7	47.4
" Wet "	29.0	36.1
Rain gauge C	0	
Wind, force & direction.	8 NW	6 N
Clouds, amount & kind.	6 R2 R5 7m	1 R2 R5

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	29.0	46.2	37.7
" No. 3			
" No. 4	28.3	45.7	37.0

At 9⅔ A.M.
Dry 35.5 Wet 33.5
No. 4 34.2

35.3 46.1
29.6 36.6
5.7 9.5
47 29

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OCTOBER, 30 1876.

	10 A. M.	4 P. M.	At 9¼ A.M.
Barometer	30.211	30.198	Dry 39.6 Wet 37.4
Thermometer attached.	40.0	51.1	No. 4 37.2
" external No. 2.	42.6	51.7	
" " No. 3.			
" " No. 4.	41.4	51.0	
" Maximum	46.7		
" " (Set)	42.2		
" Minimum	28.8		
" " (Set)	41.3		
" Solar max.			
" " (Set)			
" Dry bulb	43.4	52.2	42.0 51.0
" Wet "	34.9	38.2	35.4 38.7
			6.6 12.3
Rain gauge C	0		
Wind, force & direction.	4 NW	1 NW	45 19
Clouds, amount & kind.	0	2 Ri 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	30.5	51.9	39.3
" No. 3			
" No. 4	29.5	51.3	38.3

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OCTOBER, 31 1876.

	10 A. M.	4 P. M.		
Barometer	30.150	30.043		
Thermometer attached.	43.9	52.0		
" external No. 2.	49.7	55.6		
" " No. 3.				
" " No. 4.	49.4	55.4		
" Maximum	51.6			
" " (Set)	49.2			
" Minimum	29.6			
" " (Set)	48.5			
" Solar max.				
" " (Set)				
Dry bulb	50.6	56.3	49.3	55.1
" Wet "	42.5	49.3	43.2	50.0
			6.1	5.1
Rain gauge C	0			
Wind, force & direction.	8 SW	5 SW	57	68
Clouds, amount & kind.	10 Pm	10 Pm Fm		

	7 A. M.	2 P. M.	9 20 P. M.
Thermometer No. 2	39.6	58.0	51.5
" No. 3			
" No. 4	38.5	58.0	51.1

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NOVEMBER, 1 1876.

	10 A. M.	4¼ P. M.		
Barometer	30.084	29.998		
Thermometer attached.	51.4	57.1		
" external No. 2.	52.5	53.7		
" " No. 3.				
" " No. 4.	54.2	53.3		
" Maximum	57.7			
" " (Set)	54.0			
" Minimum	42.6			
" " (Set)	53.2			
" Solar max.				
" " (Set)				
" Dry bulb	55.5	54.4	54.3	53.2
" Wet "	49.5	48.4	50.2	49.1
			4.1	4.1
Rain gauge C	0		73	73
Wind, force & direction.	0 E	1 E		
Clouds, amount & kind.	1 Lay R Rs	10 Pm R Fm		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	45.6	56.4	52.4
" No. 3			
" No. 4	44.7	56.2	52.2

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NOVEMBER, 2 1876.

	10 A. M.	4 P. M.		
Barometer . . .	29.794	29.700		
Thermometer attached.	53.8	60.6		
" external No. 2.	59.5	66.8		
" " No. 3.				
" " No. 4.	58.9	66.6		
" Maximum .	58.5			
" " (Set) .	58.4			
" Minimum .	50.2			
" " (Set) .	58.7			
" Solar max. .				
" " (Set) .				
" Dry bulb . .	61.0	67.4	59.9	66.5
" Wet " . . .	55.5	59.4	56.1	60.0
			3.8	6.5
Rain gauge C . . .	0 3/4 inches 0.066 inches			
Wind, force & direction.	4 e SW	1 e S	77	66
Clouds, amount & kind.	2 haze Pr Fm	7 PRs Fm haze		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	52.5	71.3	48.5
" No. 3 .			
" No. 4 .	52.1	71.1	~~47.5~~

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NOVEMBER, 3 1876.

	10 A. M.	4 P. M.		
Barometer . . .	29.627	29.697		
Thermometer attached.	55.8	61.1		
" external No. 2.	62.5	58.1		
" " No. 3.				
" " No. 4.	62.3	58.0		
" Maximum .	70.5			
" " (Set) .	61.0			
" Minimum .	46.7			
" " (Set) .	61.3			
" Solar max. .				
" " (Set) .				
" Dry bulb . .	63.4	59.0	62.4	57.9
" Wet " . . .	59.0	49.1	59.6	49.8
			2.8	8.1
Rain gauge C . . .	0 5/8 ounces 0.055 inches		84	52
Wind, force & direction.	10 S	8 NW		
Clouds, amount & kind.	10 Pm 7m	1 7m		

	8 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	59.5	62.0	47.9
" No. 3 .			
" No. 4 .	59.5	62.0	47.0

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1876phae.proj..375.

NOVEMBER, 4 1876.

	10 A. M.	4 P. M.		
Barometer	30.059	30.114		
Thermometer attached.	51.6	58.0		
" external No. 2.	46.7	54.2		
" " No. 3.				
" " No. 4.	46.0	54.0		
" Maximum	63.8			
" " (Set)	46.5			
" Minimum	37.7			
" " (Set)	45.5			
" Solar max.				
" " (Set)				
" Dry bulb	47.4	53.0	46.1	53.8
" Wet "	39.6	42.5	40.2	43.2
			5.9	10.6
Rain gauge C	0		55	34
Wind, force & direction.	2 NW	3 NW		
Clouds, amount & kind.	0	0 7m		

	7 A. M.	2 P. M.	10 9 P. M.
Thermometer No. 2	39.4	54.9	42.6
" No. 3			
" No. 4	38.4	54.3	41.9

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1876phae.proj..375.

NOVEMBER, 5 1876.

	10 A. M.	4 P. M.		
Barometer	30.303	30.317		
Thermometer attached.	50.0	54.7		
" external No. 2.	46.0	48.6		
" " No. 3.				
" " No. 4.	45.5	48.2		
" Maximum	54.3			
" " (Set)	46.0			
" Minimum	37.7			
" " (Set)	45.0			
" Solar max.				
" " (Set)				
" Dry bulb	46.7	49.1	45.4	47.8
" Wet "	38.1	38.9	38.6	39.4
Rain gauge C	0		6.8	8.4
Wind, force & direction.	6 N	3 NE	48	40
Clouds, amount & kind.	1 RR 7m	6 Rm Rm Rm 7m		

	8 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	41.0	50.6	37.7
" No. 3			
" No. 4	40.2	50.4	37.2

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1876phae.proj..375.

NOVEMBER, 6 1876.

	10 A. M.	4 P. M.		
Barometer . . .	30.406	30.361		
Thermometer attached.	41.5	53.6		
" external No. 2.	39.7	46.6		
" " No. 3.				
" " No. 4.	38.6	46.0		
" Maximum .	50.0			
" " (Set) .	40.0			
" Minimum .	27.6			
" " (Set) .	38.8			
" Solar max. .				
" " (Set) .				
Dry bulb . .	40.8	47.0	39.4	45.7
" Wet " . . .	37.2	39.5	37.1	40.1
			1.7	5.6
Rain gauge C . . .	0			
Wind, force & direction.	0 NW	6 SE	85	57
Clouds, amount & kind.	3 haze fm	10 Ry Pr fm		

	8 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	30.5	47.3	46.0
" No. 3 .			
" No. 4 .	30.0	46.8	46.5

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NOVEMBER, 7 1876.

	10 A. M.	4 P. M.		
Barometer	29.900	29.837		
Thermometer attached.	49.2	51.2		
" external No. 2.	48.2	51.0		
" " No. 3.				
" " No. 4.	48.0	50.8		
" Maximum	47.5			
" " (Set)	47.5			
" Minimum	38.5			
" " (Set)	47.1			
" Solar max.				
" " (Set)				
" Dry bulb	49.2	52.1	47.9	50.8
" Wet "	47.2	50.0	47.9	50.7
Rain gauge C	11 7/8 inches 1.048 inches		0.0	0.1
Wind, force & direction.	2 SE	0 E	100	99
Clouds, amount & kind.	10 Pm fog raining	10 Pm fog raining		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	44.3	51.8	45.7
" No. 3			
" No. 4	43.5	51.5	45.2

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NOVEMBER, 8 1876.

	10 A. M.	4¼ 4 P. M.		
Barometer	29.699	29.735		
Thermometer attached.	51.4	53.2		
" external No. 2.	48.0	51.9		
" " No. 3.				
" " No. 4.	47.8	51.4		
" Maximum .	51.0			
" " (Set) .	47.6			
" Minimum .	44.4			
" " (Set) .	46.9			
" Solar max. .				
" " (Set) .				
" Dry bulb . .	49.0	52.9	47.7	51.7
" Wet " . . .	46.7	49.0	47.4	49.7
Rain gauge C	10 3/4 ounces 0.949 inches		0.3	2.0
Wind, force & direction.	7 N	4 NE	98	86
Clouds, amount & kind.	10 Pm mist.	10 Pm		

	8 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	47.3	51.6	48.3
" No. 3 .			
" No. 4 .	47.0	51.3	48.9

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NOVEMBER, 9 1876.

	10 A. M.	4 P. M.		
Barometer	29.832	29.868		
Thermometer attached.	53.4	53.4		
" external No. 2.	49.8	52.1		
" " No. 3.				
" " No. 4.	49.5	52.0		
" Maximum .	51.0			
" " (Set) .	49.1			
" Minimum .	45.8			
" " (Set) .	48.9			
" Solar max. .				
" " (Set) .				
" Dry bulb . .	50.8	53.2	49.5	52.1
" Wet " . . .	47.8	49.0	48.5	49.7
Rain gauge C . . .	0 1/8 ounces 0.077 inches		1.0	2.4
Wind, force & direction.	0 calm	1 SW	93	83
Clouds, amount & kind.	10 Pm	10 Pm		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	47.3	51.8	47.5
" No. 3 .			
" No. 4 .	47.1	51.6	47.3

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NOVEMBER, 10 1876.

	10 A. M.	4 P. M.		
Barometer . . .	29.916	29.764		
Thermometer attached.	48.0	49.4		
" external No. 2.	47.1	43.6		
" " No. 3.				
" " No. 4.	46.9	43.2		
" Maximum .	51.3			
" " (Set) .	47.0			
" Minimum .	36.3			
" " (Set) .	46.1			
" Solar max. .				
" " (Set) .				
" Dry bulb . .	48.1	44.5	46.8	43.1
" Wet " . . .	45.4	42.8	46.1	43.5
			0.7	−0.4
Rain gauge C . . .	0		95	100
Wind, force & direction.	5 NE	6 N		
Clouds, amount & kind.	10 Pm mist fine rain	10 Pm rain		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	39.5	44.4	42.0
" No. 3 .			
" No. 4 .	39.0	44.4	41.7

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NOVEMBER, 11 1876.

	10 A. M.	4 P. M.		
Barometer	29.889	29.858		
Thermometer attached.	48.4	49.8		
" external No. 2.	45.8	43.6		
" " No. 3.				
" " No. 4.	45.3	43.2		
" Maximum	47.0			
" " (Set)	44.6			
" Minimum	41.0			
" " (Set)	44.7			
" Solar max.				
" " (Set)				
" Dry bulb	46.8	44.2	45.5	42.8
" Wet "	42.8	42.0	43.5	42.7
			2.0	0.1
Rain gauge C	5 tenths 0.474 inches		84	99
Wind, force & direction.	1 W	2 NE		
Clouds, amount & kind.	8 Pm Fm	10 Pm		

	7 A. M.	2 P. M.	10 9 P. M.
Thermometer No. 2	42.5	44.8	43.8
" No. 3			
" No. 4	42.0	44.4	43.4

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NOVEMBER, 72 1876.

	10 A. M.	4 P. M.		
Barometer	29.760	29.767		
Thermometer attached.	49.3	49.0		
" external No. 2.	42.7	46.1		
" " No. 3.				
" " No. 4.	42.2	45.8		
" Maximum	46.1			
" " (Set)	42.4			
" Minimum	41.1			
" " (Set)	41.2			
" Solar max.				
" " (Set)				
" Dry bulb	43.5	47.0	42.1	45.7
" Wet "	40.6	40.9	41.2	41.5
			0.9	4.2
Rain gauge C	9 ounces 0.794 inches		92	67
Wind, force & direction.	5 NW	8 NW		
Clouds, amount & kind.	10 Pm. Fm raining	8 Pm Fm Pr Rs		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		46.0	42.7
" No. 3			
" No. 4		45.5	41.8

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NOVEMBER, 13 1876.

	10 A. M.	4 P. M.
Barometer	29.839	29.815
Thermometer attached.	45.5	51.1
" external No. 2.	46.0	49.0
" " No. 3.		
" " No. 4.	45.5	48.7
" Maximum	46.5	
" " (Set)	45.7	
" Minimum	37.8	
" " (Set)	45.0	
" Solar max.		
" " (Set)		
" Dry bulb	46.8	50.9
" Wet "	40.1	42.2
Rain gauge C	0⅛ inches 0.011 inches	
Wind, force & direction.	6 NW	13 NW
Clouds, amount & kind.	1 Pm Rs Fm	0 Fm Rs

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	40.1	50.4	~~38.3~~ 39.0
" No. 3			
" No. 4	~~39.4~~	~~49.9~~	38.3

At 8½ A.M.
Dry 42.0 Wet 40.1
No. 40 40.5

Following night partly cloudy; meteors looked for to some extent by F. E. Seagrave & L. Waldo; none reported

45.5 49.6
40.7 42.9
4.8 6.7

63 53

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NOVEMBER, 14 1876.

	10 A. M.	4 P. M.
Barometer	29.973	29.995
Thermometer attached.	48.5	50.0
" external No. 2.	41.1	46.4
" " No. 3.		
" " No. 4.	40.8	46.0
" Maximum	50.0	
" " (Set)	41.1	
" Minimum	34.9	
" " (Set)	40.0	
" Solar max.		
" " (Set)		
Dry bulb	42.2	47.1
" Wet "	38.8	42.2
Rain gauge C	0	
Wind, force & direction.	0 W	0 NE
Clouds, amount & kind.	10 Pm 7m	10 Pm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		46.7	43.3
" No. 3			
" No. 4		46.3	42.9

At 9 2/3 A.M.
Dry 41.0 Wet 39.0
No. 4 40.1

Following night cloudy both evening and morning; meters not looked for.

40.8 45.8
39.3 42.9
1.5 2.9
87 77

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NOVEMBER, 15 1876.

	12 ~~10~~ A. M.	4 P. M.		
Barometer	30.052	30.058		
Thermometer attached.	47.4	48.2		
" external No. 2.	39.7	39.6		
" " No. 3.				
" " No. 4.	39.2	39.1		
" Maximum .	46.2			
" " (Set) .	39.0			
" Minimum .	35.4			
" " (Set) .	38.4			
" Solar max. .				
" " (Set) .				
' Dry bulb . .	40.0	40.2	38.6	38.8
" Wet " . . .	37.0	35.6	37.5	36.1
			1.1	2.7
Rain gauge C	0.5 ounces 0.055 inches			
Wind, force & direction.	5 NE	6 NE	90	75
Clouds, amount & kind.	10 Pm 7m	10 Pm 7m		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	37.9	40.5	=
" No. 3 .			
" No. 4 .	37.4	40.0	

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NOVEMBER, 16 1876.

	10 A. M.	4 P. M.	At 9¼ A. M.
Barometer	30.238	30.234	Dry 35.1 Wet 33.3
Thermometer attached.	43.1	50.2	No. 4 33.7
" external No. 2.	36.7	39.8	
" " No. 3.			
" " No. 4.	35.9	39.0	
" Maximum	39.4		
" " (Set)	37.0		
" Minimum	29.5		
" " (Set)	35.6		
" Solar max.			
" " (Set)			
" Dry bulb	37.4	40.0	36.0 38.6
" Wet "	32.0	34.4	32.6 34.9
			3.4 3.7
Rain gauge C	0		67 66
Wind, force & direction.	5 NW	2 E	
Clouds, amount & kind.	0 M Rs	0	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		41.1	33.4
" No. 3			
" No. 4		40.7	32.5

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NOVEMBER, 17 1876.

	10 A. M.	4 P. M.	
Barometer	30.313	30.300	At 9¼ A.M. Dry 35.8 Wet 33.9
Thermometer attached.	41.0	45.6	No. 4 34.3
" external No. 2.	36.5	43.9	
" " No. 3.			
" " No. 4.	36.4	43.3	
" Maximum	40.6		
" " (Set)	36.8		
" Minimum	27.6		
" " (Set)	35.3		
" Solar max.			
" " (Set)			
" Dry bulb	37.4	44.2	36.0 42.8
" Wet "	33.2	38.6	33.8 39.1
			2.2 3.7
Rain gauge C	0		78 69
Wind, force & direction.	1 NW	0 E	
Clouds, amount & kind.	10 Pm 7m	10 Pm 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	32.0	43.7	
" No. 3			
" No. 4	31.5	43.7	

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NOVEMBER, 18 1876.

	10 A. M.	4 P. M.
Barometer	30.373	30.347
Thermometer attached.	43.1	43.0
" external No. 2.	41.9	43.7
" " No. 3.		
" " No. 4.	41.6	43.0
" Maximum	43.7	
" " (Set)	41.7	
" Minimum	34.1	
" " (Set)	40.8	
" Solar max.		
" " (Set)		
Dry bulb	42.9	44.1
" Wet "	38.2	38.3
Rain gauge C	0	
Wind, force & direction.	0 calm	3 E
Clouds, amount & kind.	10 Pm Fm	10 Pm Fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		44.9	41.8
" No. 3			
" No. 4		44.3	41.0

At 9 A.M.
Dry 40.6 Wet 38.5
No. 4 39.7

41.5 42.7
38.7 38.8
2.8 3.9
76 68

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NOVEMBER, 19 1876.

	10 A. M.	4 P. M.		
Barometer	30.337	30.238		
Thermometer attached.	46.0	46.3		
" external No. 2.	43.0	41.7		
" " No. 3.				
" " No. 4.	42.5	41.0		
" Maximum .	45.6			
" " (Set) .	43.2			
" Minimum .	40.3			
" " (Set) .	41.8			
" Solar max. .				
" " (Set) .				
" Dry bulb . .	43.7	42.2	42.3	40.8
" Wet " . . .	37.3	36.1	37.8	36.6
			4.5	4.2
Rain gauge C . . .	0		62	64
Wind, force & direction.	7 E	10 E		
Clouds, amount & kind.	10 Pm 7m	10 Pm		

	8 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	42.5	42.4	41.5
" No. 3 .			
" No. 4 .	41.8	41.9	40.5

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NOVEMBER, 20 1876.

	10 A. M.	4 P. M.		
Barometer . . .	30.022	29.856		
Thermometer attached.	45.9	46.7		
" external No. 2.	43.0	43.4		
" " No. 3.				
" " No. 4.	42.6	42.9		
" Maximum .	43.3			
" " (Set) .	42.5			
" Minimum .	39.7			
" " (Set) .	41.9			
" Solar max. .				
" " (Set) .				
Dry bulb . .	43.8	44.2	42.4	42.8
" Wet " . . .	41.4	42.2	42.0	42.9
			0.4	−0.1
Rain gauge C . . .	3 3/8 ounces 0.298 inches		96	100
Wind, force & direction.	7 c NE	20 c NE		
Clouds, amount & kind.	10 Pma 7m raining	10 Pm raining		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	42.3	43.6	43.1
" No. 3 .			
" No. 4 .	41.8	43.3	43.0

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NOVEMBER, 21 1876.

	10 A. M.	4 P. M.		
Barometer	29.787	29.816		
Thermometer attached.	44.0	43.2		
" external No. 2.	38.5	38.4		
" " No. 3.				
" " No. 4.	38.0	38.0		
" Maximum .	43.1			
" " (Set) .	38.4			
" Minimum .	37.2			
" " (Set) .	37.6			
" Solar max. .				
" " (Set) .				
' Dry bulb . .	39.4	39.4	38.0	38.0
" Wet " . . .	37.0	37.0	37.5	37.5
			0.5	0.5
Rain gauge C . . .	31/4 ounces 2.758 inches		95	95
Wind, force & direction.	17° N	8° N		
Clouds, amount & kind.	10 Pm raining	10 Pm fine rain		

	7 A. M.	2 P. M.	10.45 9 P. M.
Thermometer No. 2 .	39.0	38.1	37.1
" No. 3 .			
" No. 4 .	38.5	37.9	36.8

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NOVEMBER, 22. 1876.

	10 A. M.	4 P. M.		
Barometer . . .	29.940	29.944		
Thermometer attached.	41.9	42.2		
" external No. 2.	36.0	37.8		
" " No. 3.	~~37.7~~			
" " No. 4.	35.7	37.3		
" Maximum .	38.6			
" " (Set) .	36.4			
" Minimum .	34.6			
" " (Set) .	35.1			
" Solar max. .				
" " (Set) .				
Dry bulb . .	37.0	38.5	35.6	37.1
" Wet " . . .	34.7	36.2	35.2	36.7
			0.4	0.4
Rain gauge C . . .	1 ounce 0.088 inches			
Wind, force & direction.	1e NE	4e NE	96	96
Clouds, amount & kind.	10 Pm	10 Pm fine rain		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	35.8	38.0	37.9
" No. 3 .			
" No. 4 .	35.3	37.7	37.3

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NOVEMBER, 23 1876.

	10 A. M.	4 P. M.		
Barometer . . .	29.988	29.890		
Thermometer attached.	40.8	43.6		
" external No. 2.	40.0	42.6		
" " No. 3.				
" " No. 4.	39.6	42.2		
" Maximum .	39.5			
" " (Set) .	39.9			
" Minimum .	33.1			
" " (Set) .	39.0			
" Solar max. .				
" " (Set) .				
" Dry bulb . .	41.1	43.1	39.7	41.7
" Wet " . . .	37.8	38.9	38.3	39.4
			1.4	2.3
Rain gauge C . . .	0½ ounces 0.044 inches		87	80
Wind, force & direction.	1 W	0 calm		
Clouds, amount & kind.	10 Pm	10 Pm Fm		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		43.0	38.8
" No. 3 .			
" No. 4 .		42.9	38.2

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NOVEMBER, 24 1876.

	10 A. M.	4 P. M.		
Barometer	29.773	29.796		
Thermometer attached.	41.4	41.1		
" external No. 2.	39.0	38.1		
" " No. 3.				
" " No. 4.	38.6	37.8		
" Maximum	42.2			
" " (Set)	39.2			
" Minimum	35.4			
" " (Set)	38.0			
" Solar max.				
" " (Set)				
" Dry bulb	39.9	38.8	38.5	37.4
" Wet "	34.6	31.8	35.1	32.4
			3.4	5.0
Rain gauge C	0		68	53
Wind, force & direction.	10 NW	13 NW		
Clouds, amount & kind.	10 Pm 7m	4 Pm 7m		

	7 30 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	37.0	41.2	
" No. 3			
" No. 4	36.2	40.8	

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NOVEMBER, 25 1876.

	10 A. M.	4 P. M.	At 9½ A. M.
Barometer . . .	29.805	29.717	Dry 30.8 Wet 29.0
Thermometer attached.	37.6	45.8	No. 4 29.14
" external No. 2.	31.8	38.1	
" " No. 3.			
" " No. 4.	31.1	37.6	
" Maximum .	41.2		
" " (Set) .	32.0		
" Minimum .	25.8		
" " (Set) .	30.8		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	32.5	38.7	31.2 37.3
" Wet " . . .	27.0	31.0	27.6 31.6
			3.6 5.7
Rain gauge C . . .	0		63 49
Wind, force & direction.	6 NW	6 N	
Clouds, amount & kind.	1 Pi Rs	0 Rs	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	27.0	38.3	30.9
" No. 3 .			
" No. 4 .	26.2	37.8	30.3

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NOVEMBER, 26. 1876.

	10 A. M.	4 P. M.
Barometer	29.606	29.491
Thermometer attached.	36.0	41.1
" external No. 2.	29.5	34.9
" " No. 3.		
" " No. 4.	29.0	34.2
" Maximum .	38.0	
" " (Set) .	30.0	
" Minimum .	23.0	
" " (Set) .	28.3	
" Solar max. .		
" " (Set) .		
Dry bulb . .	30.3	35.1
" Wet " . . .	26.0	31.7
Rain gauge C . . .	0	
Wind, force & direction.	1 NW	0 W
Clouds, amount & kind.	~~0~~ 7 Cm 7m	7. Cm Cs 7m

	8, 30 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	26.0	35.5	29.0
" No. 3 .			
" No. 4 .	25.0 ×	35.3	28.3

At 8½ A.M.
Dry 25.9 Wet 24.1
No. 4 24.4

29.0	33.7
26.6	32.3
2.4	1.4
73	85

× See margin for observation at 8½ A.M.

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November 27 1876

	9¼ 10 A. M.	4 P. M.		
Barometer	29.550	29.498		
Thermometer attached.	35.8	44.3		
" external No. 2.	31.1	38.8		
" " No. 3.				
" " No. 4.	30.4	38.1		
" Maximum	35.1			
" " (Set)	31.1			
" Minimum	24.9			
" " (Set)	30.2			
" Solar max.				
" " (Set)				
" Dry bulb	31.9	39.1	30.6	37.7
" Wet "	27.2	33.0	27.8	33.6
Rain gauge C	0		2.8	4.1
Wind, force & direction.	4 W	0 NW	70	62
Clouds, amount & kind.	0	10 R R		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	28.4	39.7	33.5
" No. 3			
" No. 4	27.6	39.0	33.2

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November 28 1876

	10 A. M.	4 P. M.		
Barometer . . .	29.700	29.700		
Thermometer attached.	38.1	46.0		
" external No. 2.	30.7	38.8		
" " No. 3.				
" " No. 4.	30.0	38.1		
" Maximum .	39.2			
" " (Set) .	31.2			
" Minimum .	24.4			
" " (Set) .	29.7			
" Solar max. .				
" " (Set) .				
Dry bulb . .	31.5	39.2	30.2	37.8
" Wet " . . .	27.7	32.9	28.3	33.5
			1.9	4.3
Rain gauge C . . .	0 3/4 of inches 0.066 inches		79	60
Wind, force & direction.	2 SW	2 W		
Clouds, amount & kind.	0	9 Pm N 7m		

	7 A. M.	2 1/4 P. M.	9 P. M.
Thermometer No. 2 .	25.5	39.4	33.0
" No. 3 .			
" No. 4 .	24.8	38.1	32.2

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NOVEMBER, 29 1876.

	10 A. M.	4 P. M.		
Barometer	29.890	29.853		
Thermometer attached.	39.0	42.1		
" external No. 2.	31.7	36.0		
" " No. 3.				
" " No. 4.	31.1	35.4		
" Maximum	39.2			
" " (Set)	31.9			
" Minimum	26.6			
" " (Set)	30.7			
" Solar max.				
" " (Set)				
" Dry bulb	32.3	36.5	31.0	35.1
" Wet "	25.7	28.2	26.3	28.8
			4.7	6.3
Rain gauge C	0		51	42
Wind, force & direction.	8c NW	8c NW.		
Clouds, amount & kind.	0	1 Pm 7m		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	27.3	36.9	28.6
" No. 3			
" No. 4	26.4	36.2	27.8

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NOVEMBER, 30 1876.

	10 A. M.	4 P. M.	At 8 5/6 A. M.
Barometer	29.712	29.507	Dry 27.3 Wet 25.4
Thermometer attached.	35.4	37.2	No. 4 26.0
" external No. 2.	28.5	28.4	
" " No. 3.			
" " No. 4.	28.2	28.0	
" Maximum	36.4		
" " (Set)	29.0		
" Minimum	22.9		
" " (Set)	27.6		
" Solar max.			
" " (Set)			
Dry bulb	29.1	29.0	27.8 27.7
" Wet "	24.7	22.7	25.3 23.3
Rain gauge C	0		2.5 4.4
Wind, force & direction.	3 N	5 N	71 49
Clouds, amount & kind.	6 Rs 7m	10 R Rs	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	25.0	30.2	17.6
" No. 3			
" No. 4	24.3	29.9	17.3

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DECEMBER, 1 1876.

	10 A. M.	4 P. M.
Barometer . . .	29.467	29.445
Thermometer attached.	26.0	33.8
" external No. 2.	13.9	18.0
" " No. 3.		
" " No. 4.	13.5	17.5
" Maximum .	30.2	
" " (Set) .	15.1	
" Minimum .	9.0	
" " (Set) .	13.0	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	14.8	18.9
" Wet " . . .	11.1	14.1
Rain gauge C . . .	0	
Wind, force & direction.	7 NW	7 NW
Clouds, amount & kind.	5 Cu Ri Fm	1 Cu Ri Fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	10.4	18.7	12.2
" No. 3 .			
" No. 4 .	9.7	18.1	11.8

At 9½ A.M.
Dry 14.0 Wet 12.3
No. 4 12.8

13.5 17.6
11.7 14.7
1.8 2.9
67 53

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DECEMBER, 2 1876.

	10 A. M.	4 P. M.		
Barometer	29.563	29.546		
Thermometer attached.	24.1	34.1		
" external No. 2.	13.1	25.1		
" " No. 3.				
" " No. 4.	12.5	24.6		
" Maximum	18.7			
" " (Set)	15.0			
" Minimum	6.1			
" " (Set)	12.0			
" Solar max.				
" " (Set)				
Dry bulb	14.1	26.0	12.8	24.7
" Wet "	10.9	20.3	11.5	20.9
			1.3	3.8
Rain gauge C	0			
Wind, force & direction.	4 NW	4 NW	7	5
Clouds, amount & kind.	0 Rs	10 RRs		2

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	7.7	22.1	26.1
" No. 3			
" No. 4	6.5	21.5	25.4

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DECEMBER, 3 1876.

	10 A. M.	4 P. M.		
Barometer	29.771	29.815		
Thermometer attached.	32.4	39.5		
" external No. 2.	33.4	35.4		
" " No. 3.				
" " No. 4.	32.8	34.8		
" Maximum	32.8			
" " (Set)	33.0			
" Minimum	12.0			
" " (Set)	32.4			
" Solar max.				
" " (Set)				
" Dry bulb	34.0	36.0	32.6	34.6
" Wet "	28.6	28.4	29.2	29.0
Rain gauge C	0 3/8 minus 0.033 inches		3.4	5.6
Wind, force & direction.	9 NW	7 NW	66	48
Clouds, amount & kind.	3 Rs	3 Rs 7m		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	27.3	38.0	28.9
" No. 3			
" No. 4	26.6	37.7	28.3

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DECEMBER, 4 1876.

	10 A. M.	4 P. M.
Barometer	30.032	30.003
Thermometer attached.	33.2	37.1
" external No. 2.	32.8	35.5
" " No. 3.		
" " No. 4.	32.3	35.1
" Maximum .	38.2	
" " (Set) .	32.6	
" Minimum .	23.2	
" " (Set) .	31.8	
" Solar max. .		
" " (Set) .		
Dry bulb . .	33.5	36.2
" Wet " . . .	27.9	30.7
Rain gauge C . . .	0	
Wind, force & direction.	6 NW	3 NW
Clouds, amount & kind.	10 Pc	8 PcRm 7m Rs

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	29.0	35.8	31.9
" No. 3 .			
" No. 4 .	28.3	35.6	31.5

At 9½ A.M.
Dry 32.1 Wet 30.2
No. 4 31.1

32.1 34.8
28.5 31.3
3.6 3.5
63 67

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DECEMBER, 5 1876.

	10 A. M.	4 P. M.	At 9¼ P. M.
Barometer . . .	30.006	29.957	Dry 29.9 Wet 27.9
Thermometer attached.	33.0	43.5	No. 4 28.5
" external No. 2.	31.4	39.5	
" " No. 3.			
" " No. 4.	30.7	38.8	
" Maximum .	35.6		
" " (Set) .	31.2		
" Minimum .	23.1		
" " (Set) .	30.3		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	32.2	40.0	30.9 38.6
" Wet " . . .	27.1	32.0	27.7 32.6
Rain gauge C . . .	0		3.2 6.0
Wind, force & direction.	3 NW	2 NW	66 46
Clouds, amount & kind.	6 Pm 7 Sm	0 Rs	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	24.5	34.0	30.0
" No. 3 .			
" No. 4 .	23.5	36.4	29.4

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DECEMBER, 6 1876.

	10 A. M.	4 P. M.
Barometer . . .	29.936	29.780
Thermometer attached.	32.8	42.9
" external No. 2.	29.6	38.0
" " No. 3.		
" " No. 4.	28.7	37.4
" Maximum .	39.0	
" " (Set) .	29.9	
" Minimum .	20.3	
" " (Set) .	28.6	
" Solar max. .		
" " (Set) .		
Dry bulb . .	30.3	38.5
" Wet " . . .	25.3	30.1
Rain gauge C . . .	0	
Wind, force & direction.	3 W	4 SW
Clouds, amount & kind.	0	0 Rs

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	22.5	39.3	30.3
" No. 3 .			
" No. 4 .	21.5	38.5	29.7

At 9⅔ A. M.
Dry 28.8 Wet 26.8
No. 4 27.1

29.0 37.1
25.9 30.7
3.1 6.4
66 44

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DECEMBER, 7 1876.

	10 A. M.	4 P. M.	
Barometer	29.608	29.499	At 9½ A.M. Dry 32.4 Wet 30.1 No. 4 31.3
Thermometer attached.	34.3	42.1	
" external No. 2.	32.7	38.7	
" " No. 3.			
" " No. 4.	32.2	38.0	
" Maximum	39.0		
" " (Set)	32.6		
" Minimum	25.8		
" " (Set)	31.5		
" Solar max.			
" " (Set)			
" Dry bulb	33.3	39.0	31.9 37.6
" Wet "	27.3	30.9	27.9 31.5
Rain gauge C	0		4.0 6.1
Wind, force & direction.	2 SW	4 SW	59 47
Clouds, amount & kind.	10 Pr Pm Fm Rs	4 Pr Fm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	27.0	40.5	34.0
" No. 3			
" No. 4	26.4	39.9	33.5

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DECEMBER, 8 1876.

	10 A. M.	4 P. M.	
Barometer	29,563	29,580	~~At 9 2/3 A.M. Dec. 9~~ ~~Dry 35.5 Wet 33.4~~ No. 4 34.3
Thermometer attached.	35.8	42.3	
" external No. 2.	33.0	33.9	
" " No. 3.			
" " No. 4.	32.4	33.3	
" Maximum	39.7		
" " (Set)	33.0		
" Minimum	29.3		
" " (Set)	32.1		
" Solar max.			
" " (Set)			
Dry bulb	33.7	34.2	32.3 32.8
" Wet "	28.2	26.6	28.8 27.2
Rain gauge C	0		3.5 5.6
Wind, force & direction.	3 W	4 SW	6S 4S
Clouds, amount & kind.	0 Rs 7m	9 PcRs Pm 7m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	32.0	35.7	29.0
" No. 3			
" No. 4	31.3	35.2	28.1

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DECEMBER, 9 1876.

	10 A. M.	4 P. M.
Barometer	28.958	29.156
Thermometer attached.	37.0	36.2
" external No. 2.	35.2	15.7
" " No. 3.		
" " No. 4.	34.8	15.1
" Maximum .	35.2	
" " (Set) .	35.4	
" Minimum .	27.2	
" " (Set) .	34.2	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	35.9	16.7
" Wet " . . .	33.0	13.2
Rain gauge C . . .	Gauge cleared out at 10 A.M.; See snow measure	
Wind, force & direction.	25 SW	25 SW
Clouds, amount & kind.	10 Pc	10 Pc thin

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	33.9	17.6	13.2
" No. 3 .			
" No. 4 .	33.2	17.1	12.7

At 9 2/3 A.M.,
Dry 35.5 Wet 33.4
No. 4 34.3

At 10 A.M.
(beginning to clear off)
snow 3 5/8 inches deep, moist & uniform 18/8 inches
of this snow in cylinder 1 13/16 inches across
weigh 4 1/2 ounces
Hence rainfall for 1 inch of snow 0.16 inches
total rainfall 0.605 "

34.5	15.4
33.6	13.8
0.91	1.672

At 11 1/2 A.M.
Barom. 28.998
Att. Th. 37.8

At 2 P.M.
Barom. 29.083
Att. Th. 40.9

At 9 P.M.
Barom. 29.376
Att. Th. 28.1

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DECEMBER, 10 1876.

	10 A. M.	4 P. M.
Barometer	29.958	30.070
Thermometer attached.	out of sight; estimate 15.0°	just in sight; about 17.5
" external No. 2.	8.1	10.9
" " No. 3.		
" " No. 4.	7.4	10.5
" Maximum	35.6	
" " (Set)	10.6	
" Minimum	3.4	
" " (Set)	7.2	
" Solar max.		
" " (Set)		
" Dry bulb	under fastenings	under fastenings
" Wet "		
Rain gauge C	0	
Wind, force & direction.	10° W	4° W
Clouds, amount & kind.	1 Rs	4 RRs

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	4.9	12.0	4.4
" No. 3			
" No. 4	4.0	11.7	3.7

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DECEMBER, 11 1876.

	10 A. M.	4¼ P. M.
Barometer	30.165	30.108
Thermometer attached.	27.1	31.0
" external No. 2.	6.8	11.2
" " No. 3.		
" " No. 4.	6.6	11.1
" Maximum	12.5	
" " (Set)	8.7	
" Minimum	2.7	
" " (Set)	5.8	
" Solar max.		
" " (Set)		
" Dry bulb	7.8	under fastenings
" Wet "	under fastenings	10.2
Rain gauge C	0.3 ounces 0.066 inches of snow measure	
Wind, force & direction.	3 N	4 N
Clouds, amount & kind.	10 Ft snowing	10 Ft. 7m snowing a little

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	5.0	11.5	11.1
" No. 3			
" No. 4	4.5	11.3	10.8

At 10 A.M., new snow 1¼ inches deep. 18¾ inches of this snow in cylinder 1 13/16 inches across melt 1 7/8 ounces. Hence rainfall for 1 inch of snow 0.067 inches. Total rainfall 0.084 inches. This measure preferred to that by gauge C.

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DECEMBER, 12 1876.

	10 A. M.	4 P. M.
Barometer	29.578	29.586
Thermometer attached.	30.8	33.7
" external No. 2.	18.3	27.7
" " No. 3.		
" " No. 4.	18.0	27.1
" Maximum	18.2	
" " (Set)	19.0	
" Minimum	5.6	
" " (Set)	17.1	
" Solar max.		
" " (Set)		
Dry bulb	19.1	28.3
" Wet "	17.1	25.0
Rain gauge C	cleared out; see snow measures.	
Wind, force & direction.	6 N	4 NW
Clouds, amount & kind.	10 R moving	10 Pa a little snow

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	16.0	27.6	27.0
" No. 3			
" No. 4	15.7	27.4	26.7

At 10 A.M. Snow over old crust measured in 10 places as follows; $3\frac{1}{2}$, $3\frac{1}{2}$, 5, 3, 4, $2\frac{1}{4}$, 4, $2\frac{1}{2}$ $3\frac{1}{4}$, 3; mean 3.4 inches. $15\frac{1}{2}$ inches of this snow in cylinder $1\frac{13}{16}$ inches across weighed $2\frac{1}{2}$ ounces. Hence rainfall for one inch of snow 0.1083 inches. Total rainfall measured today 0.368 inches. Deducting that measured Dec. 11, 0.084 inches, the rainfall since then is 0.284 inches.

	17.8	27.0
	17.7	25.6
	0.1	1.4
	98	83

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DECEMBER, 13 1876.

	10 A. M.	4 P. M.	At 2½ P. M.
Barometer	29.844	29.644	Dry 44.0 Wet 42.0
Thermometer attached.	31.7	37.9	No. 4 42.9
" external No. 2.	34.3	43.0	
" " No. 3.			
" " No. 4.	34.0	42.4	
" Maximum	33.8		
" " (Set)	33.9		
" Minimum	17.2		
" " (Set)	33.2		
" Solar max.			
" " (Set)			
" Dry bulb	35.0	43.7	33.6 42.3
" Wet "	31.4	38.0	32.0 38.5
Rain gauge C	0 ½ ounces 0.022 inches		1.6 3.8
Wind, force & direction.	6 e S	12 e S	83 68
Clouds, amount & kind.	10 Pm Fm	7 R Rs Fm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	27.4	43.4	40.0
" No. 3			
" No. 4	26.9	42.9	39.2

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DECEMBER, 14 1876.

	10 A. M.	4 P. M.
Barometer	29.860	29.764
Thermometer attached.	36.0	38.3
" external No. 2.	37.9	41.1
" " No. 3.		
" " No. 4.	37.8	40.7
" Maximum	43.0	
" " (Set)	37.6	
" Minimum	32.9	
" " (Set)	37.0	
" Solar max.		
" " (Set)		
Dry bulb	38.4	41.6
" Wet "	33.9	36.2
Rain gauge C	0	
Wind, force & direction.	2 SW	1 SW
Clouds, amount & kind.	10 Pm Fm	10 Pm Fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	34.9	42.8	37.3
" No. 3			
" No. 4	34.1	42.7	36.7

At 9½ A.M.
Dry 38.0 Wet 36.1
No. 4 36.8

37.0 40.2
34.4 36.7
2.6 3.5
75 69

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1876phae.proj..375.

DECEMBER, 15 1876.

	10 A. M.	4 P. M.	
Barometer	29.764	29.850	At 9⅔ A.M. Dry 29.8 Wet 28.6
Thermometer attached.	34.8	38.2	" No. 4 28.6
" external No. 2.	28.1	25.1	
" " No. 3.			
" " No. 4.	27.8	24.6	Zodiacal light not distinct about 7 P.M.; seemed to extend to Taurus. Still somewhat visible at 9 P.M.
" Maximum	42.2		
" " (Set)	28.3		
" Minimum	27.1		
" " (Set)	27.1		
" Solar max.			
" " (Set)			
" Dry bulb	28.9	25.8	27.6 24.5
" Wet "	21.9	19.4	22.5 20.0
			5.1 4.5
Rain gauge C	0		
Wind, force & direction.	20° W	9° W	42 43
Clouds, amount & kind.	0 Cu Cu Rs Fm	0 Rs	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	38.3	27.2	17.5
" No. 3			
" No. 4	37.8	26.8	16.8

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DECEMBER, 16 1876.

	10 A. M.	3½ P. M.
Barometer	29.401	29.844
Thermometer attached.	32.4	32.1
" external No. 2.	37.9	12.0
" " No. 3.		
" " No. 4.	37.3	11.4
" Maximum	37.0	
" " (Set)	37.0	
" Minimum	15.5	
" " (Set)	36.9	
" Solar max.		
" " (Set)		
Dry bulb	38.4	12.9
" Wet "	30.1	8.7
Rain gauge C	0	
Wind, force & direction.	25 SW	19 NW
Clouds, amount & kind.	0 Pm Fm	9 Pa Fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	35.0	16.0	2.0
" No. 3			
" No. 4	34.3	15.6	1.2

At 9 A.M.
Dry 37.5 Wet 35.5
No. 4 36.3

At 7½ A.M.
Att. Th. 31.
Bar. 29.434

At 10⅔ A.M.
Bar 29.406 Att. Th. 33.1

At 1⅓ P.M.
Bar. 29.666 Att. Th: 34.0
No. 2 19.0 No. 4 18.6

Wind changed to N.W. about 10¾ and blew hard, with a snow squall about 11.

37.0 11.6
30.7 9.3
6.3 45 2.3 55

Zodiacal light as yesterday at 6 and at 9 P.M.

5.11 17.0 8.6 17.32

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DECEMBER, 17 1876.

	10 A. M.	4 P. M.
Barometer	30.536	30.525
Thermometer attached.	out of sight; estimate 18.0	22.0
" external No. 2.	−3.0	7.6
" " No. 3.		
" " No. 4.	−3.8	7.0
" Maximum	38.0	
" " (Set)	−1.0	
" Minimum	−5.9	
" " (Set)	−4.1	
" Solar max.		
" " (Set)		
" Dry bulb	below	under sustaining
" Wet "	graduations	below graduation
Rain gauge C	0	
Wind, force & direction.	6c N	2c NW
Clouds, amount & kind.	0 RS	0 PtRs

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	0.2*	6.2	3.8
" No. 3			
" No. 4	−0.6*	5.7	3.2

* At 9¾ P. M.
No. 2 −3.2 No. 4 −4.1
Thermometers carefully read at 7 A. M., and the fall since then is probably actual. The minimum was looked at at 7 and found to be less than 1 below zero.

At 11 A. M.
Bar. 30.569 Att. Th. [illegible]
No. 2 −1.0 No. 4 −1.8

At 12¾ P. M.
Bar. 30.53 Att. Th. 20.0
No. 2 3.0 No. 4 2.2

At 2 P. M.
Bar. 30.518 Att. Th. 21.0

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DECEMBER, 18 1876.

	10 A. M.	4 P. M.
Barometer	30.043	29.650
Thermometer attached.	25.0	25.0
" external No. 2.	10.5	26.0*
" " No. 3.		
" " No. 4.	10.1	27.1
" Maximum	10.8	
" " (Set)	11.5	
" Minimum	−4.1	
" " (Set)	9.7	
" Solar max.		
" " (Set)		
Dry bulb	11.6	28.7
" Wet "	10.0	26.8
Rain gauge C	0½ ounces 0.044 inches	5½ ounces 0.452 inches
Wind, force & direction.	7 c N	0 c N
Clouds, amount & kind.	10 Ft moving	10 Ft; rain and sleet

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	5.7	14.9	17.1
" No. 3			
" No. 4	5.1	14.1	16.8

* Probably wet

At 11h A.M.
Bar. 29.904 Att. Th. 25.2
No. 2 18.8. No. 4 18.2

Mr. Stevens says he noticed the remarkable fall of temperature yesterday morning; the greatest change was apparently between 8 and 9 A.M. the minimum being reached about 9.

10.3	27.4
10.6	27.4
−0.3	0.0
100	100

At 4h 52m P.M. bright flash of lightning in the south, followed by a heavy peal of thunder.

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DECEMBER, 19 1876.

	10 A. M.	4 P. M.
Barometer	29.800	29.844
Thermometer attached.	19.2	26.1
" external No. 2.	12,8	20.0
" " No. 3.		
" " No. 4.	12,1	19.4
" Maximum	28,9	
" " (Set)	14.7	
" Minimum	3.8	
" " (Set)	12.2	
" Solar max.		
" " (Set)		
' Dry bulb	13.8	20,9
" Wet "	11.4	16.8
Rain gauge C	* 2¾ ounces 0.243 inches	
Wind, force & direction.	5 SW	6 SW
Clouds, amount & kind.	0	0 Fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	5.6	20.2	17.2
" No. 3			
" No. 4	4.8	19.8	16.5

At 10 A.M. the light snow over the crust was measured in 10 places as follows: 3½, 4½, 4¾, 5¼, 6½, 8, 5, 5½, 6; mean 5.45 inches. 14½ inches of this snow in cylinder 1 13/16 inches across weigh 2 5/7 ounces. Hence rainfall for 1 inch of snow 0.122 inches; for 5.45 inches of snow 0.663 inches.

While the snow continued wet and mixed with rain so as to form a crust, it probably melted down into the gauge, for the most part. The rainfall cannot be well determined, but the best estimate will be the amount caught in the bottle of the gauge (excluding that in the funnel) added to the result of the snow measurement above.

* Rain gauge C

At 4 P.M. Dec. 18 0.452 inch
At 10 A.M. " 19 0.243 "
Result from snow measurement 0.663 "
Total 1.358

12.5 19.6
12.0 17.4
0.5 2.2
90 66

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DECEMBER, 20 1876.

	10 A. M.	4 P. M.
Barometer	30.285 out of eight estimate 25.0	30.288 25.5
Thermometer attached.		
" external No. 2.	6.1	13.6
" " No. 3.		
" " No. 4.	5.6	13.1
" Maximum	20.0	
" " (Set)	8.2	
" Minimum	2.2	
" " (Set)	5.2	
" Solar max.		
" " (Set)		
" Dry bulb	7.1	14.3
" Wet "	under fastenings	10.2
Rain gauge C	0	
Wind, force & direction.	1 c N	3 c W
Clouds, amount & kind.	0 R Rs	9 Pt Rs Fm ~~3 c W~~

13.0
10.8
2.2
59

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	3.5	14.7	6.0
" No. 3			
" No. 4	2.8	14.6	5.2

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December 21 1876

	10 A. M.	4 P. M.	
Barometer . . .	30.074	29.896	
Thermometer attached.	20.2	22.1	
" external No. 2.	7.9	13.0	
" " No. 3.			
" " No. 4.	8.0	12.8	
" Maximum .	15.0		
" " (Set) .	9.4		
" Minimum .	1.9		
" " (Set) .	7.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	under fastenings	14.0	12.7
" Wet " . . .		12.0	12.6
Rain gauge C . . .	0		0.1
Wind, force & direction.	1 N.	3 N	98
Clouds, amount & kind.	10 Cu	10 R, snowing	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	5.8	13.4	13.0
" No. 3 .			
" No. 4 .	5.4	13.7	12.8

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December 22 1876

	10 A. M.	4 P. M.
Barometer	29.867	29.767
Thermometer attached.	23.0	25.1
" external No. 2.	16.4	22.0
" " No. 3.		
" " No. 4.	16.5	22.1
" Maximum	16.8	
" " (Set)	17.3	
" Minimum	7.0	
" " (Set)	15.3	
" Solar max.		
" " (Set)		
" Dry bulb	17.1	23.0
" Wet "	15.8	20.7
Rain gauge C	0½ ounces 0.044 inches	
Wind, force & direction.	1 NW	0 calm
Clouds, amount & kind.	10 Pn	10 Pn

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	14.1	22.9	22.2
" No. 3			
" No. 4	13.9	23.8	21.8

At 9⅔ A.M.
Dry 17.1 Wet 15.4
No 4 16.3

15.8	21.7
16.4	21.3
−0.6	0.4
100	94

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DECEMBER, 23 1876.

	10 A. M.	4 1/3 P. M.
Barometer	29.716	29.870
Thermometer attached.	25.7	29.2
" external No. 2.	26.0	26.2
" " No. 3.		
" " No. 4.	25.7	25.8
" Maximum	25.5	
" " (Set)	25.7	
" Minimum	15.4	
" " (Set)	25.1	
" Solar max.		
" " (Set)		
Dry bulb	27.0	27.0
" Wet "	24.0	22.4
Rain gauge C	cleared out, 12c Snow measure.	
Wind, force & direction.	2c NW	4c NW
Clouds, amount & kind.	10B snowing	5B haze

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	21.0	29.9	17.8
" No. 3			
" No. 4	20.6	29.5	17.4

At 10 A.M. depths of new snow estimated as follows in 10 places impossible to distinguish new snow accurately from old except in 1 which had been cleared, and there the new snow may have drifted: 6, 7, 6, 6, 9, 7, 7, 8, 8, 5, mean 6.9 inches. 15 inches of this snow in cylinder 1 3/16 inches across, weighed 3 ounces. Hence rainfall for 1 inch of snow 0.1343 inches; total rainfall 0.927 inches. Gauge C cleared out without examination.

	25.7	25.7
	24.6	23.0
	1.1	2.7
	86	67

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DECEMBER, 24 1876.

	10 A. M.	4 P. M.		
Barometer	30.128	30.132		
Thermometer attached.	out of sight; estimated 15.0	22.0		
" external No. 2.	13.5	17.4		
" " No. 3.				
" " No. 4.	13.0	16.9		
" Maximum .	30.9			
" " (Set) .	14.5			
" Minimum .	4.1			
" " (Set) .	12.2			
" Solar max. .				
" " (Set) .				
" Dry bulb . .	14.4	18.0	13.1	16.7
" Wet " . . .	11.0	13.9	11.6	14.5
			1.5	2.2
Rain gauge C . . .	0		72	64
Wind, force & direction.	5 NW	6 NW		
Clouds, amount & kind.	0 Rs	1 PtRs		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	5.9	17.9	13.2
" No. 3 .			
" No. 4 .	5.2	17.3	12.8

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DECEMBER, 25 1876.

	10 A. M.	4 P. M.		
Barometer . . .	30.233	30.211		
Thermometer attached.	out of sight; estimate 15.0	23.3		
" external No. 2.	15.0	23.9		
" " No. 3.				
" " No. 4.	14.8	23.8		
" Maximum .	18.0			
" " (Set) .	16.0			
" Minimum .	2.9			
" " (Set) .	14.1			
" Solar max. .				
" " (Set) .				
" Dry bulb . .	16.3	24.4	15.0	23.1
" Wet " . . .	13.2	20.0	13.8	20.6
			1.2	2.5
Rain gauge C . . .	0		78	66
Wind, force & direction.	0 SW	0 SW		
Clouds, amount & kind.	9 Pi Ro	10 Pi		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	6.0	23.6	20.1
" No. 3 .			
" No. 4 .	5.7	24.0	19.9

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DECEMBER, 26 1876.

	10 A. M.	4 P. M.
Barometer	30.041	29.899
Thermometer attached.	23.9	27.0
" external No. 2.	22.1	30.0
" " No. 3.		
" " No. 4.	22.2	29.8
" Maximum	24.0	
" " (Set)	22.3	
" Minimum	14.1	
" " (Set)	21.0	
" Solar max.		
" " (Set)		
Dry bulb	Psychrometer dismounted for repairs.	
" Wet "		
Rain gauge C	0	
Wind, force & direction.	0 NW	2 NE
Clouds, amount & kind.	10 R; a few snowflakes	10 R; a little snow

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	17.7	30.0	29.2
" No. 3			
" No. 4	17.3	30.3	28.9

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DECEMBER, 27 1876.

	10 A. M.	4 P. M.
Barometer . . .	29.924	29.914
Thermometer attached.	29.4	33.4
" external No. 2.	29.0	29.4
" " No. 3.		
" " No. 4.	28.5	29.0
" Maximum .	30.1	
" " (Set) .	28.7	
" Minimum .	21.0	
" " (Set) .	28.0	
" Solar max. .		
" " (Set) .		
" Dry bulb . .		
" Wet " . . .		
Rain gauge C . . .	0 ounces 0.011 inches	
Wind, force & direction.	1 NW	3 W
Clouds, amount & kind.	0 Rs	0 Rs

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .	26.8	37.5	19.4
" No. 3 .			
" No. 4 .	28.2	31.1	19.2

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DECEMBER, 28 1876.

	10 A. M.	4 P. M.
Barometer	30.096	30.069
Thermometer attached.	21.5	30.5
" external No. 2.	19.7	24.9
" " No. 3.		
" " No. 4.	19.3	24.5
" Maximum	30.8	
" " (Set)	20.2	
" Minimum	10.3	
" " (Set)	18.5	
" Solar max.		
" " (Set)		
" Dry bulb		
" Wet "		
Rain gauge C	0	
Wind, force & direction.	0 W	0 W
Clouds, amount & kind.	2 haze Rs	10 R Fm

Large halo round the moon about 6 P.M.

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	13.3	26.0	20.0
" No. 3			
" No. 4	13.1	26.0	19.7

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DECEMBER, 29 1876.

	10 A. M.	4 P. M.	
Barometer	29.942	29.666	
Thermometer attached.	25.6	29.1	
" external No. 2.	23.2	30.0	
" " No. 3.			Snow began about noon,
" " No. 4.	23.2	29.4	
" Maximum	26.0		
" " (Set)	23.8		
" Minimum	14.4		At 2 P.M.
" " (Set)	22.2		Bar. 29.763
" Solar max.			Att. Th. 28.3
" " (Set)			At 9¼ P.M.
" Dry bulb			Bar. 29.020
" Wet "			Att. Th. 31.0
Rain gauge C	0		
Wind, force & direction.	3 N	9 NE	
Clouds, amount & kind.	10 Pn 7m	10 Pn moving	

	7 A. M.	2 P. M.	9¼ P. M.
Thermometer No. 2	16.5	31.0	32.7
" No. 3			
" No. 4	16.1	30.5	32.0

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DECEMBER, 30 1876.

	10 A. M.	4 P. M.	
Barometer	29.044	29.304	
Thermometer attached.	30.9	33.3	
" external No. 2.	25.7	23.6	
" " No. 3.			
" " No. 4.	25.3	22.9	At 7½ A.M.
" Maximum	37.9		Bar. 28.928
" " (Set)	26.0		Att. Th. 31.8
" Minimum	22.2		
" " (Set)	24.4		
" Solar max.			
" " (Set)			
" Dry bulb			
" Wet "			
Rain gauge C	3⅞ ounces Dec snow melted		
Wind, force & direction.	11 c SW	12 c W	
Clouds, amount & kind.	9 Cr Fm	0 Fm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	30.2	24.7	20.0
" No. 3			
" No. 4	30.0	24.0	19.7

No snow after 10 A.M. No possibility of distinguishing new & old snow correctly

At 4 P.M. snow estimated 7½ inches over old snow. 9 inches of this snow in cylinder 1 13/16 inches across weighed 5 ounces. Hence rainfall for 1 inch of snow 0.3731 inches; total rainfall 1.679 inches.

Gauge C was cleared out at 9 P.M. Dec. 29, when a little rain was falling. As it caught only 3⅞ ounces afterwards, it is probable that all the rain was retained by the snow.

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DECEMBER, 31 1876.

	10 A. M.	4 P. M.
Barometer	29.728	29.782
Thermometer attached.	25.2	31.0
" external No. 2.	23.0	24.0
" " No. 3.		
" " No. 4.	22.5	23.6
" Maximum	27.0	
" " (Set)	23.3	
" Minimum	17.7	
" " (Set)	22.0	
" Solar max.		
" " (Set)		
" Dry bulb		
" Wet "		
Rain gauge C	0	
Wind, force & direction.	6 W	9 W
Clouds, amount & kind.	4 Cu 7m	0 7m

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2	19.6	26.6	22.0
" No. 3			
" No. 4	18.9	26.2	21.4

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	10 A. M.	4 P. M.
Barometer . . .		
Thermometer attached.		
" external No. 2.		
" " No. 3.		
" " No. 4.		
" Maximum .		
" " (Set) .		
" Minimum .		
" " (Set) .		
" Solar max. .		
" " (Set) .		
" Dry bulb . .		
" Wet " . . .		
Rain gauge C . . .		
Wind, force & direction.		
Clouds, amount & kind.		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .			
" No. 3 .			
" No. 4 .			

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	10 A. M.	4 P. M.
Barometer		
Thermometer attached.		
" external No. 2.		
" " No. 3.		
" " No. 4.		
" Maximum .		
" " (Set) .		
" Minimum .		
" " (Set) .		
" Solar max. .		
" " (Set) .		
" Dry bulb . .		
" Wet " . . .		
Rain gauge C . . .		
Wind, force & direction.		
Clouds, amount & kind.		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .			
" No. 3 .			
" No. 4 .			

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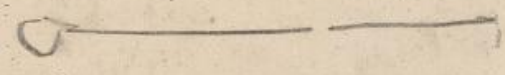
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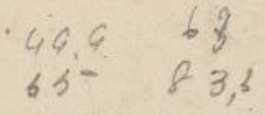
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