

P11

METEOROLOGICAL RECORD

For

1874.



Ganges 1011 inch to  $\frac{1}{8}$  ounce +  
 KG-113651372 Under 2 0  
 "  $5\frac{1}{8}$  .001  
 "  $9\frac{1}{8}$  .002  
 "  $13\frac{1}{8}$  .003  
 "  $17\frac{1}{8}$  .004  
 "  $21\frac{1}{8}$  .005

0.  
 7.93546  
 8.94575  
 9.79770

Cumulus Me.

Pallio-Cumulus Pnw.

Fracto Cumulus Lnw.

Cirrus R.

Pallio-Cirrus Pr

Cirro-stratus Rs.

Cirro-cumulus Pnw.







KG-11365.372





JANUARY, 1, 1874.

*In book for 1873  
Book marked P 10*

	10 A. M.	4 P. M.	
Barometer . . . . .			
Thermometer attached.			
" external No. 2.			
" " No. 3.			
" " No. 4.			
" Maximum .			
" " (Set) .			
" Minimum .			
" " (Set) .			
" Solar man. .			
" " (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 .			



JANUARY, 2, 1871.

*In. book for 1873  
Book marked P 10*

	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 .			



JANUARY, 3, 1874.

In book for 1873  
Book marked P.10.

	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 .			



JANUARY, 4, 1974.

	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 .			

JANUARY, 5, 1874.

	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 .			



JANUARY, 6, 1874.

	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 .			

Sunday Jan 4, 1874

Monday Jan 5 1874

10 A.M. 4 P.M.

10 A.M. 4 P.M.

30.331 30.240

30.354 30.490

Ther. att. 69.4 67.3

Misty

70.0 63.8

" No 2 46.4 50.9

3235 46.5

37.5

" No 3 47.6 50.9

12530 45.5

36.8

" No 4 46.9 51.0

No. 4 45.9

37.0

Min. 34.0

45.4

Min (set) 46.3

45.4

Max. 46.9

53.8

Gauge C

0.8 inches

Max (set) 45.5

46.2

Wind

3° NW

Solar

9° N

Clouds

59.8 (38.0)

Dry 48.1 51.7

10 Pm

10 Pm

Wet 45.3 50.2

47.2

38.1

42.6

32.0

Ther. 9 P.M. 2 P.M. 9 P.M. 7 A.M.

2 P.M. 9 P.M.

No 2 53.4 52.6

40.1 31.8

No 3 54.3 53.3

39.4 32.3

No 4 53.9 52.8

39.6 31.9

A little rain in ~~the~~ the  
 bottle but not enough  
 to cover the bottom.



Jan 6 1874		Jan 7 1874	
	10 A.M.	4 P.M.	10 A.M.
Bar.	30.602	30.454	30.104
At. Th.	62.6	56.2	61.3
3235 (No. 2)	28.0	33.9	32.8
12530 (No. 3)	27.6	33.0	32.0
No. 4	27.7	33.2	32.2
Min.	27.0		27.0
Min. set	27.0		32.0
Max.	46.3		33.2
Max. set	29.0		32.4
Solar		39.0	38.2
Solar set		34.0	34.6
Dry	28.8	34.6	33.5
Wet	27.3	33.0	32.0
Gauge C	10.0	1 ounce	1 ounce
Wind	10° N	0° N	0° N
Clouds	10 Pm raining	10 Pm raining some mist	10 Pm mist fine rain

9 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.
(2)	33.5	28.9		33.5	29.8
(3)	32.7	28.4		32.5	29.2
(4)	32.9	28.6		33.0	29.4

January 8, 1874

Barometer . . . . .	29.696	29.630
Thermometer attached.	63.0	59.4
" external No. 2.	51.5	45.0
" " No. 3.	50.7	45.0
" " No. 4.	51.2	45.4
" Maximum .	53.6	
" " (Set) .	48.8	
" Minimum .	31.6	
" " (Set) .	50.4	
" Solar max. .		99.4
" " (Set) .		50.7
" Dry bulb . .	52.3	46.6
" Wet " . . .	51.0	41.8
Rain gauge C . . . .	5 ounces 0.441 inches	0 $\frac{7}{8}$ ounces 0.077 inches
Wind, force & direction.	4° S	16° SW
Clouds, amount & kind.	10 Pm raining	8 Pm M fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		49.6	38.6
" No. 3 .		49.0	37.5
" No. 4 .		48.8	37.7

Gauge A emptied  
out at 4 P.M.



January 9, 1874

Barometer . . . .

29.810

29.777

Thermometer attached.

53.5

69.8

" external No. 2.

35.8

43.7

" " No. 3.

34.8

43.0

" " No. 4.

34.4

42.7

" Maximum .

50.3

" " (Set) .

35.4

" Minimum .

31.0

" " (Set) .

34.9

" Solar max. .

107.9

" " (Set) .

61.5

" Dry bulb .

36.5

44.2

" Wet . . . .

31.7

36.8

Rain gauge C . . .

x0

Wind, force &amp; direction.

1<sup>c</sup> SW2<sup>c</sup> SW

Clouds, amount &amp; kind.

0 R R

0

\* 0.077 inches  
yesterday  
4 P.M.

7 A. M.

2<sup>1</sup>/<sub>8</sub> P. M.9<sup>25</sup>/<sub>100</sub> P. M.

Thermometer No. 2 .

43.1

28.7

" No. 3 .

42.1

27.8

" No. 4 .

41.9

27.4

January 10, 1874

	10 A. M.	4 P. M.
Barometer . . . . .	29.602	29.622
Thermometer attached.	62.0	63.8
" external No. 2.	41.8	43.8
" " No. 3.	40.8	42.8
" " No. 4.	41.1	43.0
" Maximum .	43.2	
" " (Set) .	41.2	
" Minimum .	30.0	
" " (Set) .	40.5	
" Solar max. .		106.8
" " (Set) .		46.0
" Dry bulb . .	42.5	41.2
" Wet " . . .	40.5	36.1
Rain gauge C . . .	0 $\frac{1}{4}$ inches 0.022 inches	
Wind, force & direction.	5 S	9 SW
Clouds, amount & kind.	10 Pm	5 Pm 7m

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 . .		45.2	29.5
" No. 3 .		44.2	28.9
" No. 4 .		44.4	28.5



Jan. 11. 1874

	10 A. M.	4 P. M.
Barometer . . . . .	29.789	29.802
Thermometer attached.	64.9	65.0
" external No. 2.	33.5	38.0
" " No. 3.	34.9	37.1
" " No. 4.	34.9	37.4
" Maximum .	44.2	
" " (Set) .	37.0	
" Minimum .	29.4	
" " (Set) .	34.9	
" Solar max. .		110.7
" " (Set) .		48.2
" Dry bulb . .	36.4	35.5
" Wet " . . .	32.1	33.4
Rain gauge C. . . .	0	
Wind, force & direction.	2 S. W.	10 W.
Clouds, amount & kind.	9 Pm. 7m. R.	2 M. 7m.

a little  
snow at  
about 7  
P.M.  
lasting but a  
few minutes

	7 A. M.	3 P. M.	9 P. M.
Thermometer No. 2 .		38.3	33.2
" " No. 3 .		37.4	32.5
" " No. 4 .		37.5	32.6

*[Handwritten signature]*

29.0  
29.5  
~7.5  
9.6



January 12

1892

	10 A. M.	4 P. M.
Barometer . . . . .	30.183	30.247
Thermometer attached.	57.3	63.9
" external No. 2.	29.7	30.2
" " No. 3.	28.8	29.7
" " No. 4.	28.9	29.7
" Maximum .	39.8	
" " (Set) .	30.5	
" Minimum .	25.7	
" " (Set) .	28.9	
" Solar max. .		96.7
" " (Set) .		35.0
" Dry bulb . . .	30.2	30.8
" Wet " . . . .	24.8	24.3
Rain gauge C . . .	0	8
Wind, force & direction.	4 <sup>e</sup> W	8 <sup>e</sup> W
Clouds, amount & kind.	0 M fm	2 Pm fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		31.9	25.0
" No. 3 .		31.5	24.6
" No. 4 .		31.2	24.3

At 9<sup>1</sup>/<sub>6</sub> A.M.  
 Dry 29.0  
 Wet 27.5  
 No. 4 27.5

Zodiacal light  
 conspicuous  
 6 to 7 P.M.  
 Jan. 11 & 12.  
 Vertex at 6 P.M.  
 about 10° beyond  
 Mars.

Jan. 13

9 A.M.

Dry 19.8  
Wet 18.3  
No. 4 18.1



June 15 1874

	10 A. M.	4 P. M.
Barometer . . . . .	30.484	30.449
Thermometer attached.	53.9	62.5
" external No. 2.	21.0	26.0
" " No. 3.	20.2	25.4
" " No. 4.	20.3	25.6
" Maximum .	31.2	
" " (Se.) .	22.2	
" Minimum .	15.3	
" " (Se.) .	20.0	
" Solar max.	"	89.7
" " (Se.) .		27.2
" Dry bulb . .	21.8	26.8
" Wet " . . .	17.8	21.8
Rain gauge . . .	0	
Wind, force & direction.	4 <sup>e</sup> NW	2 <sup>e</sup> N
Clouds, amount & kind.	1 B R	10 B R

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		25.8	25.2
" No. 3 .		25.1	24.6
" No. 4 .		25.4	24.4

At 9 A. M.  
 Dry 19.8  
 Wet 18.3  
 No. 4 18.1



January 14 1874

	10 A. M.	4 P. M.
Barometer . . . . .	29.736	29.680
Thermometer attached.	58.8	54.3
" external No. 2.	<del>30.0</del>	<del>21.5</del>
" " No. 3.	29.4	21.0
" " No. 4.	29.5	21.2
" Maximum .	30.8	
" " (Se) .	30.0	
" Minimum .	20.0	
" " (Se) .	29.3	
" Solar max .		56.0
" " (Se) .		28.0
" Dry bulb . .	30.8	23.0
" Wet " . . .	29.5	21.0
Rain gauge C . . .	See measure of snow	
Wind, force & direction.	12 <sup>°</sup> NE	12 <sup>°</sup> N
Clouds, amount & kind.	10R snowing	10R snowing

Snow at 10 A. M. measured in 10 places

11 <sup>1</sup> / <sub>2</sub>	9	} mean
12	11	
10	11	
8	9 <sup>1</sup> / <sub>2</sub>	
9	12 <sup>1</sup> / <sub>2</sub>	

10.3 inches

11<sup>1</sup>/<sub>2</sub> inches snow in cylinder 1<sup>7</sup>/<sub>8</sub> inches in diameter weigh 2<sup>3</sup>/<sub>4</sub> ounces.

9.79770  
 0.43933  
 1.01284  
 8.93930  
 0.18917  
 1.546 inches rainfall

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		20.2	20.3
" No. 3 .		20.0	19.7
" No. 4 .	(16.2)	20.0	19.8

11<sup>1</sup>/<sub>2</sub> inches 2<sup>3</sup>/<sub>4</sub> ounces

Minimum shows that No. 4 cannot have read 16.2 at 7 A. M. Jan. 14;



Jan. 14, 10 AM. Snow Jan. 14, 4 PM.

Jan. 15, 1888.

an. cu. bo. division  
bo. length of cylinder weighed  
by weight in ounces

Inches of water in 1 inch snow.  
Snow towards the end of the storm.

9.14)

First measure	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth	Tenth	Eleventh	Twelfth	Thirteenth	Fourteenth	Fifteenth	Sixteenth	Seventeenth	Eighteenth	Nineteenth	Twentieth	Twenty-first	Twenty-second	Twenty-third	Twenty-fourth	Twenty-fifth	Twenty-sixth	Twenty-seventh	Twenty-eighth	Twenty-ninth	Thirtieth	Thirty-first	Thirty-second	Thirty-third	Thirty-fourth	Thirty-fifth	Thirty-sixth	Thirty-seventh	Thirty-eighth	Thirty-ninth	Fortieth	Forty-first	Forty-second	Forty-third	Forty-fourth	Forty-fifth	Forty-sixth	Forty-seventh	Forty-eighth	Forty-ninth	Fiftieth																																																																																																																																																					
10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355	360	365	370	375	380	385	390	395	400	405	410	415	420	425	430	435	440	445	450	455	460	465	470	475	480	485	490	495	500	505	510	515	520	525	530	535	540	545	550	555	560	565	570	575	580	585	590	595	600	605	610	615	620	625	630	635	640	645	650	655	660	665	670	675	680	685	690	695	700	705	710	715	720	725	730	735	740	745	750	755	760	765	770	775	780	785	790	795	800	805	810	815	820	825	830	835	840	845	850	855	860	865	870	875	880	885	890	895	900	905	910	915	920	925	930	935	940	945	950	955	960	965	970	975	980	985	990	995	1000

$$\begin{array}{r} 9.79770 \\ 0.40933 \\ 8.93930 \\ \hline 9.17633 \end{array}$$
$$\begin{array}{r} 9.79770 \\ 8.57408 \\ \hline 9.16761 \end{array}$$
$$\begin{array}{r} 9.79770 \\ 0.43933 \\ 8.92082 \\ \hline 9.15785 \end{array}$$

0.150

0.147

0.144

10.3

10.41

10.8

0-570.

858.0

2152

115-411

$$\begin{array}{r} 11529 \end{array}$$
$$\overline{11555}$$
$$\begin{array}{r}
 169\checkmark \\
 163\checkmark \\
 80\checkmark \\
 69\checkmark \\
 86\checkmark \\
 35\checkmark \\
 69\checkmark \\
 84\checkmark \\
 42\checkmark \\
 \hline
 311830.1800.9 \\
 62.1807 \\
 \hline
 213 \\
 186 \\
 \hline
 279 \\
 279 \\
 \hline
 118.31 \\
 19.7 \\
 394.0 \\
 39.4 \\
 \hline
 354.6 \\
 118.97 \\
 19.8 \\
 396.0 \\
 39.6 \\
 \hline
 286.4
 \end{array}$$



January 16 1894

	10 A. M.	4 P. M.	
Barometer . . . . .	29.736	29.865	6 1/2 P.M.
Thermometer attached.	36.2	50.2	Low auroral
" external No. 2.	9.2	14.8	which disappeared
" " No. 3.	8.8	14.0	before 7 P.M.
" " No. 4.	8.9	14.2	Zodiacal light
" Maximum .	19.8		
" " ( ) .	11.0		
" Minimum .	5.8		
" " ( ) .	8.2		
" Solar .		98.8	
" " ( ) .		43.5	
" Dry bulb .	cannot be read under fastening	15.4	
" " .	7.9	11.7	
Rain gauge C . . . .	no snow yesterday		
Wind, force & direction.	11° W	6° W	
Clouds, amount & kind.	7 P. Rs	0	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		15.8	10.1
" No. 3 .		14.8	10.0
" No. 4 .	8.7	15.0	9.9



39.5-

January 17 1874

	10 A. M.	4 P. M.
Barometer . . . . .	30.340	30.464
Thermometer attached.	39.0	59.3
" external No. 2.	11.2	22.0
" " No. 3.	10.5	21.3
" " No. 4.	10.5	21.4
" Maximum .	16.3	
" " (Sec) .	14.0	
" Minimum .	5.0	
" " (Sec) .	10.8	
" Solar noon .		100.4
" " (Sec) .		60.0
" Dry bulb . . .	about 12.0 cannot be read accurately	22.8
" Wet " . . . .	9.0	18.0
Rain gauge " . . .	0	
Wind, force & direction.	7 <sup>+</sup> NW	3 <sup>+</sup> NW
Clouds, amount & kind.	0	0 Fm

Aurora seen  
8 & 9½ P.M.,  
At 9½ P.M. 3 arches,  
the upper incomplete,  
sky dark between  
& below them;  
some streamers  
above. Color white.

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		21.6	13.9
" " No. 3 .		20.6	13.4
" " No. 4 .	5.5	21.0	13.0



43.0  
41.9  
43.4

January 18 1874  
Sunday

	10 A. M.	4 P. M.
Barometer . . . . .	30.601	30.541
Thermometer attached.	55.0	47.2
" external No. 2.	20.1	33.1
" " No. 3.	19.4	32.7
" " No. 4.	19.2	32.7
" Maximum .	<del>44.2</del> 22.2	
" " (Set) .	21.5	
" Minimum .	4.9	
" " (Set) .	19.4	
" Solar max. .		102.0
" " (Set) .		57.0
" Dry bulb . .	21.8	33.7
" Wet " . . .	18.4	27.7
Rain gauge C . . .	Δ	.
Wind, force & direction.	1 SW	3/4 S.W
Clouds, amount & kind.	little haze	x

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .			24.2
" No. 3 .			23.5
" No. 4 .	5.7		23.2

x Light haze in horizon

Zodiacal light seen distinctly about 6 1/2 P.M.

(The zodiacal light seems to be rather unusually distinct of late. Between 6 & 7 P.M. its northern edge lies along the line roughly indicated by the stars  $\omega$ ,  $\epsilon$ ,  $\gamma$ ,  $\beta$ , Piscium,  $\delta$ ,  $\eta$ ,  $\delta$ ,  $\alpha$ , Aquarii. Mars is nearer its southern than its northern edge, and several degrees within its apex.)





January 19, 1874

	10 A. M.	4 P. M.
Barometer . . . . .	30.170	29.948
Thermometer attached.	59.1	65.8
" external No. 2.	36.4	42.4
" " No. 3.	34.9	41.8
" " No. 4.	36.5	42.2
" Maximum .	36.1	
" " (Set) .	36.0	
" Minimum .	19.2	
" " (Set) .	35.5	
" Solar max. .		60.0
" " (Set) .		44.0
" Dry bulb . .	37.1	43.0
" Wet " . . .	35.0	41.6
Rain gauge C . . .	0	
Wind, force & direction.	0 calm	3 <sup>e</sup> S
Clouds, amount & wind.	10 Pm fog	10 Pm. fog raining

Raining quite hard at 9 P.M. and during greater part of afternoon

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		43.1	44.4
" No. 3 .		42.4	40.4
" No. 4 .	29.0	42.9	40.9





January 20 1874

	10 A. M.	4 P. M.
Barometer . . . . .	30.318	30.473
Thermometer attached.	63.2	68.0
" external No. 2.	28.5	27.8
" " No. 3.	27.8	27.0
" " No. 4.	27.9	27.2
" Maximum .	42.7	
" " (Set) .	29.0	
" Minimum .	26.8	
" " (Set) .	27.5	
" Solar max. .		98.0
" " (Set) .		50.4
" Dry bulb . .	29.3	28.3
" Wet " . . .	25.0	23.2
Rain gauge C . . .	2 <sup>3</sup> / <sub>4</sub> inches; 0.243 inch	
Wind, force & direction.	10 <sup>e</sup> N	8 <sup>e</sup> NE
Clouds, amount & kind.	0	0

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		29.0	21.7
" No. 3 .		28.2	21.0
" No. 4 .	29.8	28.5	20.9

Gauge A  
emptied  
about 11  
A.M.

0.43933  
8.94575  
9.38508

abl



1728

January 21 1874

	10 A. M.	4 P. M.
Barometer . . . . .	30.583	30.379
Thermometer attached.	59.9	65.0
" external No. 2.	20.6	32.9
" " No. 3.	19.8	31.9
" " No. 4.	20.1	32.6
" Maximum .	29.0	
" " (Set) .	21.4	
" Minimum .	13.5	
" " (Set) .	19.6	
" Solar max. .		50.2
" " (Set) .		34.0
" Dry bulb . . .	21.4	33.5
" Wet " . . . .	18.8	31.6
Rain gauge C . . .	0	
Wind, force & direction.	1 <sup>2</sup> N	4 <sup>e</sup> SE
Clouds, amount & kind.	10 P <sub>2</sub> a little snow	10 P <sub>2</sub> very fine snow

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		31.6	30.6
" No. 3 .		30.9	30.8
" No. 4 .	16.5	31.3	31.1

Gauge C at  
6 P.M. 1 1/4 foms.  
Wind so light that  
gauge C probably  
measures the  
snow correctly.





January 22 1874

	10 A. M.	4 P. M.
Barometer . . . . .	30.160	30.034
Thermometer attached.	64.9	67.5
" external No. 2.	34.9	46.8
" " No. 3.	33.9	46.0
" " No. 4.	34.9	46.6
" Maximum .	34.4	
" " (Set) .	34.5	
" Minimum .	19.6	
" " (Set) .	34.0	
" Solar max. .		76.0
" " (Set) .		49.1
" Dry bulb . .	35.8	47.0
" Wet " . . .	33.5	44.8
Rain gauge C . . .	0.1 inches	
Wind, force & direction.	0° E	4° SW
Clouds, amount & kind.	10 Pm fog	10 Pm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		47.0	42.9
" No. 3 .		46.4	42.0
" No. 4 .	30.7	47.0	42.3

Gauge C at 6 P.M.  
 Jan. 21 1 1/4 inches  
 10 P.M. Jan. 22 0 1/4 "  
 In all 1 1/2 inches  
 0.1132 inches  
 8.94575  
 0.17609  
 9.12184



1884  
1887  
List

120.0

9.57403  
8.94575  
8.51978

January 23, 1874

	10 A. M.	4 P. M.
Barometer . . . . .	29.782	29.685
Thermometer attached.	69.4	68.0
" external No. 2.	51.0	56.7
" " No. 3.	50.0	55.8
" " No. 4.	50.5	56.2
" Maximum .	52.2	
" " (Set) .	49.0	
" Minimum .	33.8	
" " (Set) .	49.8	
" Solar max. .		91.0
" " (Set) .		81.2
" Dry bulb . .	51.8	57.6
" Wet " . . .	50.1	53.9
Rain gauge C . . .	0 <sup>3</sup> / <sub>8</sub> ounces 0.033 inches	
Wind, force & direction.	8 <sup>e</sup> S	11 <sup>e</sup> SW
Clouds, amount & kind.	10 Pm a little fog	7 Pm Rs

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		57.0	42.8
" No. 3 .		56.0	41.8
" No. 4 .	52.0	56.5	42.2

Gauge A emptied  
after 10 A.M.





January 24 1874

	10 A. M.	4 P. M.
Barometer . . .	30.372	30.265
Thermometer attached.	60.4	62.6
" external No. 2.	30.7	35.9
" " No. 3.	30.0	35.1
" " No. 4.	30.1	35.3
" Maximum .	56.3	
" " (Set) .	31.3	
" Minimum .	27.2	
" " (Set) .	29.9	
" Solar max. .		106.2
" " (Set) .		40.7
" Dry bulb . .	31.2	36.2
" Wet " . . .	25.2	29.2
Rain gauge C . . .	0	
Wind, force & direction.	1 <sup>st</sup> NW	2 <sup>nd</sup> SW
Clouds, amount & kind.	2 P <sub>1</sub> P <sub>2</sub>	10 P <sub>1</sub> P <sub>2</sub> F <sub>1</sub>

At 9<sup>5</sup>/<sub>12</sub> A. M.  
 Dry 31.1 Wet 29.7  
 No. 4 29.8  
 At 9<sup>2</sup>/<sub>3</sub> A. M.  
 Dry 31.9 Wet 29.6  
 The psychrometer watched  
 for a considerable time.  
 The wet bulb either  
 did not freeze or  
 froze without the  
 temperature rising.  
 It continued about  
 the same after 10 A. M.

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		37.3	28.1
" No. 3 .		36.3	27.4
" No. 4 .	28.2	36.8	27.1



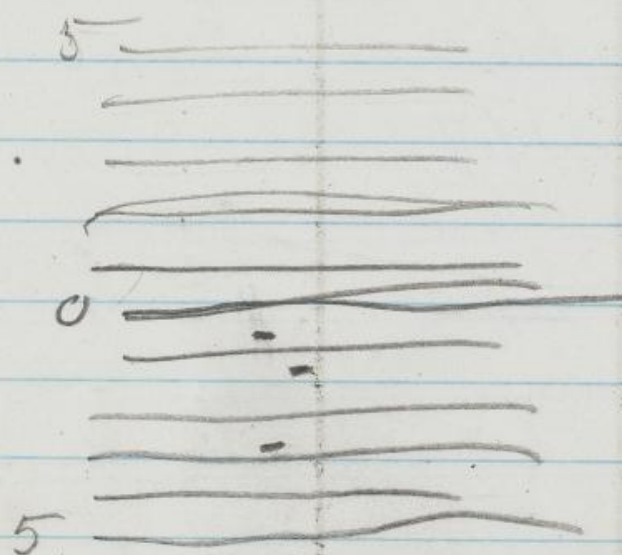


January 25 1874

	10 A. M.	4 P. M.
Barometer . . . . .	30.316	30.350
Thermometer attached.	57.4	60.9
" external No. 2.	16.2	17.9
" " No. 3.	15.6	17.3
" " No. 4.	15.6	17.3
" Maximum .	36.7	
" " (Set) .	19.9	
" Minimum .	14.1	
" " (Set) .	15.1	
" Solar max. .		90.9
" " (Set) .		34.9
" Dry bulb . .	17.0	18.6
" Wet " . . .	12.3	13.9
Rain gauge C . . .	0	
Wind, force & direction.	20 N. W.	25 N. W.
Clouds, amount & kind.	Clear	9 M. F. M.

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		19.1	12.4
" No. 3 .		18.3	12.0
" No. 4 .	16.8	18.7	11.8





Monday  
Jan. 26 1874

	10 A. M.	4 P. M.
Barometer . . . . .	30.548	30.436
Thermometer attached.	55.1	62.1
" external No. 2.	2.9	11.4
" " No. 3.	2.6	11.1
" " No. 4.	2.0	11.0
" Maximum .	20.4	
" " (Set) .	5.0	
" Minimum .	-0.9	
" " (Set) .	2.0	
" Solar max. .		83.5
" " (Set) .		31.0
" Dry bulb . .	below	12.0
" Wet " . . .	graduation	8.2
Rain gauge C . . .	0	
Wind, force & direction.	13 <sup>e</sup> W	10 <sup>e</sup> NW
Clouds, amount & kind.	0	1 R Rs

No. 4 at 8<sup>1</sup>/<sub>4</sub>  
A. M. — 0.3  
The reading  
probably intended  
at 7 A. M. may  
be -0.7

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		9.9	10.2
" " No. 3 .		9.6	10.0
" " No. 4 .	0 1.3	9.2	9.9



611

Tuesday.  
Jan. 27 1874

	10 A. M.	4 P. M.
Barometer . . . . .	30.181	30.072
Thermometer attached.	57.3	55.8
" external No. 2.	19.7	24.0
" " No. 3.	19.0	23.8
" " No. 4.	19.4	23.6
" Maximum .	19.6	
" " (Set) .	20.0	
" Minimum .	2.0	
" " (Set) .	18.8	
" Solar max. .		56.0
" " (Set) .		28.3
" Dry bulb . .	20.3	24.5
" Wet " . . .	18.7	21.7
Rain gauge C . . .	0	
Wind, force & direction.	4 <sup>2</sup> W	3 <sup>2</sup> NW
Clouds, amount & kind.	10 R	10 R

A little snow  
previous night;  
ground scarcely  
whitened.

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		24.5	22.0
" No. 3 .		23.9	21.5
" No. 4 .	15.2	24.2	21.7



1.28

Wednesday.  
January 28 1874

	10 A. M.	4 P. M.
Barometer . . . . .	29.760	29.581
Thermometer attached.	59.6	64.5
" external No. 2.	21.8	30.0
" " No. 3.	21.2	29.0
" " No. 4.	21.4	29.4
" Maximum .	24.5	
" " (Set) .	22.4	
" Minimum .	18.7	
" " (Set) .	20.9	
" Solar max.		34.0
" " (Set) .		32.6
" Dry bulb . . .	22.7 <sup>x</sup>	31.0
" Wet " . . . .	21.8 <sup>x</sup>	29.1
Rain gauge C . . .	0.1 inches 0.011 inch	
Wind force & direction.	1 <sup>st</sup> N	0 <sup>th</sup> NW
Clouds, amount & kind.	10 P fog	10 P fog

A little snow  
previous night  
or evening; ground  
just whitened.

\* Psychrometer  
carefully read;  
wet bulb wetted  
at 8 A.M.; note  
dry at 10 A.M.

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		27.2	36.9
" No. 3 .		26.8	36.3
" No. 4 .	20.5	27.0	36.2



$$\begin{array}{r} 8.94575 \\ 0.17669 \\ \hline 9.12184 \end{array}$$

79<sup>2</sup>

Thursday,  
January 29.

	10 A. M.	4 P. M.
Barometer . . . . .	30.181	30.108
Thermometer attached.	63.1	66.2
" external No. 2.	24.1	33.0
" " No. 3.	23.5	32.2
" " No. 4.	23.5	32.2
" Maximum .	31.7	
" " (Set) .	24.9	
" Minimum .	20.0	
" " (Set) .	23.2	
" Solar max. .		98.0
" " (Set) .		40.5
" Dry bulb . .	25.0	33.6
" Wet " . . .	21.0	27.9
Rain gauge C . . . .	$\frac{1}{2}$ inches 0.132 inches	
Wind, force & direction.	4 <sup>e</sup> NW	6 <sup>e</sup> SW
Clouds, amount & kind.	1 Rs	9 P Rs 7

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		30.6	29.8
" No. 3 .		29.7	29.0
" No. 4 .	20.5	29.7	29.0





Friday.  
January 30 1874

	10 A. M.	4 P. M.	
Barometer . . . . .	30.482	30.516	
Thermometer attached.	57.5	58.3	At 8 A.M., Dry 11.9 Wet 10.6 No. 4 10.4
" external No. 2.	8.9	9.0	
" " No. 3.	8.6	8.9	
" " No. 4.	8.3	8.5	
" Maximum .	33.0		
" " (Sci) .	10.8		
" Minimum .	7.8		
" " (Sci) .	8.0		
" Solar man .		91.0	
" " (Sci) .		31.7	
" Dry bulb . .	under fastening cannot be used	cannot be	
" Wet " . . .	7.4 (?)	read	
Rain gauge C . . .	0		
Wind, force & direction.	13 <sup>e</sup> N	10 <sup>e</sup> N	
Clouds, amount & kind.	0 R	0 R R <sub>1</sub>	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. .		10.0	+3.9
" No. 3 .		9.8	+3.4
" No. 4 .	12.7	9.5	+3.0





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Sunday  
February 1 1874

	10 A. M.	4 P. M.	
Barometer . . . . .	30.580	30.630	at 9.50 P.M.
Thermometer attached.	48.3	59.8	No. 2 + .7
" external No. 2.	6.0	11.0	
" " No. 3.	5.6	11.0	
" " No. 4.	5.3	10.7	
" Maximum .	<del>2.9</del> 10.2		
" " (Set) .	11.1		
" Minimum .	2.9		
" " (Set) .	5.1		
" Solar max. .		94.0	
" " (Set) .		20.9	
" Dry bulb . . .	5.5	10.6	
" Wet " . . . .	cannot be read measure of snow got yesterday evening	9.0 ?	
Rain gauge C . . . .			
Wind, force & direction.	3. N.	14 N.	
Clouds, amount & kind.	9 Rs	9. 75. 75	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		11.8	<del>11.0</del>
" No. 3 .		11.3	<del>11.0</del>
" No. 4 .	2.7	11.2	<del>10.7</del>

9. 75. 75  
+ 2.2  
+ 3.1  
+ 1.5



Feb. 2 1874

	10 A. M.	4 P. M.
Barometer . . . . .	30.780	30.685
Thermometer attached.	44.9	50.8
" external No. 2.	2.3	8.9
" " No. 3.	2.1	8.6
" " No. 4.	1.9	8.4
" Maximum .	12.2	
" " (Set) .	41.5	
" Minimum .	-4.7	
" " (Set) .	1.7	
" Solar max. .		45.8
" " (Set) .		18.0
" Dry bulb . . . . .	below graduation	under fastening
" Wet " . . . . .	2.7	
Rain gauge C . . . . .	0	
Wind, force & direction.	8 <sup>th</sup> N	8 <sup>th</sup> N
Clouds, amount & kind.	10 R	10 R, snowing

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		9.6	6.6
" No. 3 .		9.2	6.4
" No. 4 .	2.8	9.2	5.9

7 A.M. reading  
+ 2.8 originally  
but Bridget  
says she  
meant - 2.8

Feb. 3 1892

	10 A. M.	4 P. M.	
Barometer . . . . .	30.052	29.649	
Thermometer attached.	47.3	46.4	
" external No. 2.	17.1	24.3	
" " No. 3.	16.9	23.9	
" " No. 4.	16.9	24.0	
" Maximum .	17.7 <sup>x</sup>		
" " (Set) .	18.0		
" Minimum .	1.5		
" " (Set) .	16.3		
" Solar max. .		27.0	
" " (Set) .		27.0	
" Dry bulb . .	18.1	25.6	
" Wet " . . .	16.9	23.7	
Rain gauge C . . .	See snow measur		
Wind, force & direction.	14 <sup>2</sup> N	17 <sup>2</sup> N	
Clouds, amount & kind.	10 P snowing	10 P snowing	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		19.2	29.9
" No. 3 .		18.9	28.8
" No. 4 .	12.3	19.0	29.0

<sup>x</sup> Rose before  
the snow could  
be cleared off  
from it ~~to~~  
enough to read  
it.

Snow measured  
at 10 A. M.  
Depth

11<sup>1</sup>/<sub>2</sub> } Mean depth  
10 } 10.6 inches  
12 } not over 2 inches  
10<sup>1</sup>/<sub>2</sub> } old snow probably  
9<sup>1</sup>/<sub>2</sub> } Assumed depth  
10 } of new snow  
10<sup>1</sup>/<sub>2</sub> } 8.6 inches  
11 }  
11 }

12<sup>1</sup>/<sub>2</sub> inches in  
cylinder 1<sup>1</sup>/<sub>2</sub> inches in  
diameter weigh 2<sup>3</sup>/<sub>4</sub> oz

8.90309 Rainfall  
0.43933  
0.93450 1.187  
9.79770 inches  
0.07462

A second trial of density  
of the snow about 11

A. P. gave 28 ounces for the weight of 12<sup>1</sup>/<sub>2</sub> inches. This



Feb. 4 1874

	10 A. M.	4 P. M.	
Barometer . . . .	29.932	30.006	Snow at 10 A.M.
Thermometer attached.	58.6	67.7	10 measures
" external No. 2.	28.9	28.0	11 } mean
" " No. 3.	27.9	26.8	11 1/2 } depth
" " No. 4.	28.5	27.7	11 1/2 } 11.2
" Maximum .	30.8		9 1/4 } inches
" " (Set) .	28.4		9 3/4 }
" Minimum .	15.8		10 1/2 } upper part
" " (Set) .	27.9		12 } much settled
" Solar max. .		119.1	13 } and packed
" " (Set) .		69.3	12 1/2 } by wind.
" Dry bulb . .	29.7	28.8	11 } allowing
" Wet " . . .	25.5	24.0	11.2 } 2 inches as
Rain gauge C . . .	see snow measure		yesterday for
Wind, force & direction.	9° NW	8° NW	old snow
Clouds, amount & kind.	10 R	1 R R	depth 9.2 inches
			14 inches in cylinder
			1 1/2 inches in diameter
			weigh 4 1/2 ounces.
			The snow was taken
			from 3 places and
			therefore perhaps had
			too large a proportion
			of the dense upper
			part of the snow.
			9.79770
			8.85587
			0.96379
			0.65321
			0.26857
			Rainfall 1.856
			less measure
			yesterday 1.187
			Difference 0.669
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		29.8	20.7
" No. 3 .		28.5	20.0
" No. 4 .	27.3	29.2	20.1

Feb. 5 1874

	10 A. M.	4 P. M.
Barometer . . . . .	30.327	30.349
Thermometer attached.	55.0	62.4
" external No. 2.	12.9	15.0
" " No. 3.	12.0	13.8
" " No. 4.	12.4	14.5
" Maximum .	29.2	
" " (Set) .	14.6	
" Minimum .	9.2	
" " (Set) .	12.0	
" Solar max. .		97.0
" " (Set) .		63.0
" Dry bulb . .	13.8	15.8
" Wet " . . .	11.0	12.0
Rain gauge C . . .	0	
Wind, force & direction.	9 <sup>th</sup> NW	6 <sup>th</sup> NW
Clouds, amount & kind.	0	0

Apparently narrow  
Auroral arch  
about 6½ P.M.  
Zodiacal light  
faint or none,  
while Feb. 4 about  
6½ P.M. it was  
unusually bright.  
Sky clear both  
evenings.

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		16.0	8.0
" No. 3 .		15.0	7.9
" No. 4 .	11.2	15.7	7.0





Feb. 6 1874

	10 A. M.	4 P. M.
Barometer . . . . .	30.398	30.270
Thermometer attached.	54.8	56.2
" external No. 2.	8.6	17.6
" " No. 3.	7.8	16.7
" " No. 4.	7.9	17.3
" Maximum .	16.0	
" " (Set) .	10.0	
" Minimum .	0.0	
" " (Set) .	7.7	
" Solar max. .		92.9
" " (Set) .		25.2
" Dry bulb . .	under fastening cannot be read	18.2
" Wet " . . .		14.0
Rain gauge C . . .	0	
Wind, force & direction.	6 <sup>e</sup> NW	6 <sup>e</sup> W
Clouds, amount & kind.	1 R <sub>s</sub>	10 R <sub>2</sub>

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 ..		16.7	10.9
" No. 3 .		15.4	10.1
" No. 4 .	0.8	16.2	10.3





1874phae:proj.:373:

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Sunday  
Feb 8

	10 A. M.	4 P. M.	
Barometer . . . .	30.19.1		
Thermometer attached.	50.2		
" external No. 2.	20.0	28.0	dry bulb
" " No. 3.	17.8	25.5	probably
" " No. 4.	19.1	27.1	not wet
" Maximum .	20.2		long.
" " (Set) .	20.0		enough
" Minimum .	7.0		before
" " (Set) .	19.0		
" Solar max. .		11.5.0	1
" " (Set) .		69.1	
" Dry bulb . .	20.4	28.3	
" Wet " . . . .	15.4	28.0x	
Rain gauge C . . . .	0		
Wind, force & direction.	25 N.W	5 N.W	
Clouds, amount & kind.	0	0	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		26.3	19.8
" No. 3 .		23.8	18.8
" No. 4 .	8.7	22.9	16.6

xx Perhaps  
24.3 ?

Feb. 9 1874

	10 A. M.	4 P. M.	
Barometer . . . . .	30.199	30.060	
Thermometer attached.	55.2	63.8	
" external No. 2.	18.5	31.1	
" " No. 3.	17.1	30.3	
" " No. 4.	17.9	30.5	
" Maximum .	27.3		
" " (Set) .	19.4		
" Minimum .	6.0		
" " (Set) .	17.4		
" Solar max. .		105.7	
" " (Set) .		40.0	
" Dry bulb . .	79.4	31.3	
" Wet " . . .	15.8	26.9	
Rain gauge C . . .	0		
Wind, force & direction.	0° NW	1° SE	
Clouds, amount & kind.	5 RR, thin	10 P thin	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		32.0	
" No. 3 .		30.9	
" No. 4 .	5.8	31.7	



Feb. 10, 1874.

1875

	10 A. M.	4 P. M.
Barometer . . . .	29.707	29.617
Thermometer attached.	56.5	59.1
" external No. 2.	26.0	31.0 <del>26.0</del>
" " No. 3.	24.8	29.7 <del>24.8</del>
" " No. 4.	25.8	30.8
" Maximum .	32.6	
" " (Set) .	26.4	
" Minimum .	17.4	
" " (Set) .	25.2	
" Solar max. .		82.3
" " (Set) .		56.0
" Dry bulb . . .	27.0	31.8
" Wet " . . . .	22.4	26.8
Rain gauge C . . .	0	
Wind, force & direction.	7 <sup>2</sup> N 10 P <sub>2</sub>	10 <sup>2</sup> NW 10 P <sub>2</sub> thin
Clouds, amount & kind.		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		31.6	23.0
" No. 3 .		30.0	22.0
" No. 4 .	19.8	31.3	22.5

Zodiacal light  
distinct about  
7<sup>1</sup>/<sub>4</sub> P. M., reaching  
beyond Aries.



Feb. 11 1874

	10 A. M.	4 P. M.
Barometer . . . . .	29.701	29.737
Thermometer attached.	48.9	62.2
" external No. 2.	21.2	26.9
" " No. 3.	20.2	25.9
" " No. 4.	20.7	26.4
" Maximum .	31.3	
" " (Set) .	21.7	
" Minimum .	14.8	
" " (Set) .	20.2	
" Solar max. .		41.3
" " (Set) .		41.3
" Dry bulb . .	22.0	27.4
" Wet " . . .	17.8	22.0
Rain gauge C . . .	0	
Wind, force & direction.	9 <sup>th</sup> NW	6 <sup>th</sup> NW
Clouds, amount & kind.	0	6 Part 7 <sup>th</sup>

At 8 $\frac{1}{2}$  A. M.  
Dry 17.4 Wet 16.0  
Nov 4 16.0

Distinct zodiacal  
light noticed 7 $\frac{1}{2}$  to 7 $\frac{3}{4}$   
P. M.; northern edge  
along south side  
of square of Pegasus;  
Mars one quarter of  
the way from south  
to north edge;  
Jupiter one third  
of the way from  
Betelgeuse to the  
Pleiades.

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		25.1	20.9
" " No. 3 .		24.4	20.1
" " No. 4 .	14.5	24.8	20.1





Feb. 12, 1874

	10 A. M.	4 P. M.	
Barometer . . . . .	30.199		
Thermometer attached.	56.5		
" external No. 2.	16.8		
" " No. 3.	15.8		
" " No. 4.	15.6		
" Maximum .	27.3		
" " (Set) .	18.0		
" Minimum .	3.9		
" " (Set) .	15.8		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	47.7		
" Wet " . . .	14.8		
Rain gauge C . . .	0		
Wind, force & direction.	3 <sup>e</sup> W		
Clouds, amount & kind.	2 Rs Rm		
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		28.0	
" No. 3 .		27.0	
" No. 4 .	5.3	27.5	



FEBRUARY, 15, 1874.

	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 .			

FEBRUARY, 6, 1874.

	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 .			



FEBRUARY, 7, 1874.

	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 .			

FEBRUARY, 8, 1874.

	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 .			



FEBRUARY, 9, 1874.

	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 .			

FEBRUARY, 10, 1874.

	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 .			



FEBRUARY, 11, 1874

1874phae.proj..373.

	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 .			

FEBRUARY, 12, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .		30.208	
Thermometer attached.		65.1	
" external No. 2.		29.3	
" " No. 3.		28.6	
" " No. 4.		28.6	
" Maximum .			Zodiacal light at 7 P.M. not so distinct as yesterday, somewhat farther south, not reaching to Aries; sometimes seeming forked in the line from B Arctis to Mars.
" " (Set) .			
" Minimum .			
" " (Set) .			
" Solar max. .		104.3	
" " (Set) .		73.0	
" Dry bulb . .		29.9	
" Wet " . . .		23.9	
Rain gauge C . . .			
Wind, force & direction.		2 <sup>e</sup> W	
Clouds, amount & kind.		0	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .			22.9
" No. 3 .			22.3
" No. 4 .			21.9



FEBRUARY, 13, 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.170	29.968	
Thermometer attached.	63.7	60.8	
" external No. 2.	29.8	45.7	
" " No. 3.	28.6	45.0	
" " No. 4.	29.4	45.2	
" Maximum .	29.4		
" " (Set) .	29.4		
" Minimum .	15.9		
" " (Set) .	28.9		
" Solar max. .		104.0	
" " (Set) .		48.4	
" Dry bulb . .	30.9	46.0	
" Wet " . . .	27.9	44.6	
Rain gauge C . . .	0		
Wind, force & direction.	0 calm	NE S	
Clouds, amount & kind.	10 P <sub>2</sub> some fog	10 P <sub>m</sub>	
	7 A. M.	2 P. M.	10 P. M.
Thermometer No. 2 .		47.6	45.4
" No. 3 .		46.9	44.9
" No. 4 .	19.7	47.3	45.0



FEBRUARY, 14, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.871	30.081	
Thermometer attached.	62.8	67.7	
" external No. 2.	45.0	41.3	8.94570
" " No. 3.	44.0	40.2	0.46901
" " No. 4.	44.4	40.7	9.71476
" Maximum .	49.6		0.519
" " (Set) .	43.8		Gauge A inspected
" Minimum .	28.8		after 10 A.M.
" " (Set) .	44.1		
" Solar max. .		* 114.3	* Solar therm.
" " (Set) .		62.7	found out of
" Dry bulb . .	45.8	41.8	place, but
" Wet " . . .	39.3	33.0	reading is
Rain gauge C . . .	5 $\frac{7}{8}$ inches 0.519 inch		probably not
Wind, force & direction.	14 <sup>th</sup> NW	9 <sup>th</sup> W	too high.
Clouds, amount & kind.	2 Pz 4m	1 Rs	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		42.0	32.7
" " No. 3 .		41.0	32.0
" " No. 4 .	49.0	41.5	31.9

Zodiacal light  
at 7 P.M.; northern  
edge within square  
of Pegasus; Mons  
about half way to  
southern edge; vertex  
near  $\gamma$  Arietis, on  
following side



FEBRUARY, 15, 1874.

1874phae.proj..373.

	10 A. M.	4 P. M.	
Barometer . . . .	30.330	30.251	The Anemometer and Vane were taken in, and therefore but a very rough estimate can be made of the wind
Thermometer attached.	54.0	63.3	
" external No. 2.	34.8	35.2	
" " No. 3.	34.1	34.6	
" " No. 4.	34.1	34.7	
" Maximum .	44.0		
" " (Set) .	35.0		
" Minimum .	24.9		
" " (Set) .	34.0		
" Solar max. .			
" " (Set) .		43.0	
" Dry bulb . . .	35.9	36.0	
" Wet " . . . .	30.9	31.3	
Rain gauge C . . .	0		
Wind, force & direction.	7 N.W.	1 N.	
Clouds, amount & kind.	8 B. B.	9 M. Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		36.2	32.0
" No. 3 .		35.5	31.3
" No. 4 .	25.0	35.7	31.4

FEBRUARY, 16, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.749	29.548	Zodiacal light noticed 7 to 7 $\frac{1}{4}$ P.M. Moderately bright somewhat variable, but in the whole long and narrow, bounded about as on Feb. 14.
Thermometer attached.	65.1	62.9	
" external No. 2.	31.3	37.3	
" " No. 3.	30.9	36.5	
" " No. 4.	31.4	36.8	
" Maximum .	36.2		
" (Set) .	32.0		
" Minimum .	27.2		
" (Set) .	30.4		
" Solar max. .		65.7	
" (Set) .		65.2	
" Dry bulb . .	32.2	38.0	
" Wet " . . .	29.5	35.3	
Rain gauge C . . .	0		
Wind, force & direction.	1 <sup>e</sup> SW	4 <sup>e</sup> SW	
Clouds, amount & kind.	10 Pm; a few snowflakes	6 Pm fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		35.3	34.7
" No. 3 .		34.4	33.9
" No. 4 .	27.5	34.8	33.9



FEBRUARY, 17, 1874.

1874phae.proj..373.

	10 A. M.	4 P. M.	
Barometer . . . .	29.729	29.840	Zodiacal light
Thermometer attached.	57.6	65.8	about 7 P. M.
" external No. 2.	28.9	28.9	much as yesterday
" " No. 3.	28.1	28.3	but indistinct
" " No. 4.	28.3	28.4	Moon recently
" Maximum .	37.0		set; some
" (Set) .	29.6		moonlight &
" Minimum .	26.3		twilight near
" (Set) .	28.0		horizon.
" Solar max. .		99.0	
" (Set) .		71.1	
" Dry bulb . . .	29.6	29.4	
" Wet " . . . .	23.1	25.4 <sup>+</sup>	* Probably too much dried
Rain gauge C . . .	$\frac{1}{8}$ ounces 0.011 inches		
Wind, force & direction.	10 <sup>e</sup> NW	16 <sup>e</sup> NW	
Clouds, amount & kind.	2 R Rs Fm	0	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		30.1	21.8
" No. 3 .		29.4	21.3
" No. 4 .	26.5	29.6	21.2

FEBRUARY, 18, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.249	30.333	
Thermometer attached.	55.1	67.2	At 8 $\frac{1}{2}$ A.M.,
" external No. 2.	20.0	31.6	Dry 16.0 Wet 14.9
" " No. 3.	19.0	30.8	No. 4 14.8
" " No. 4.	19.0	30.7	
" Maximum .	30.0		
" " (Set) .	20.6		At 7 P.M.,
" Minimum .	12.5		apparently
" " (Set) .	19.0		some zodiacal
" Solar max. .		106.0	light above
" " (Set) .		75.7	the moon
" Dry bulb . .	20.7	32.0	
" Wet " . . .	16.2	24.8	
Rain gauge C . . .	0		
Wind, force & direction.	8 <sup>e</sup> NW	3 <sup>e</sup> W	
Clouds, amount & kind.	0	0	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		30.0	24.7
" No. 3 .		29.7	24.1
" No. 4 .	12.5	29.6	23.9



FEBRUARY, 19, 1874.

	10 A. M.	4 P. M.	
Barometer	30.432	30.289	At 8½ A.M.
Thermometer attached.	63.6	64.4	Dry 19.8 Wet 16.3
" external No. 2.	25.6	37.3	No. 4. 18.1
" " No. 3.	24.7	36.7	
" " No. 4.	25.2	36.9	
" Maximum .	30.8		
" " (Set) .	26.6		
" Minimum .	13.1		
" " (Set) .	24.8		
" Solar max. .		77.0	
" " (Set) .		43.0	
" Dry bulb . .	26.5	37.8	
" Wet " . . .	22.6	32.7	
Rain gauge C . . .	0		
Wind, force & direction.	0 calm	6 <sup>e</sup> SW	
Clouds, amount & kind.	10 Pt; thin	10 Pt 7m	
	7 A. M.	2 P. M.	11 P. M.
Thermometer No. 2 .		37.8	35.5
" No. 3 .		37.2	34.7
" No. 4 .	12.3	37.5	35.0

FEBRUARY, 20, 1874.

	10 A. M.	4 P. M.
Barometer . . . . .	29.892	29.932
Thermometer attached.	66.1	69.0
" external No. 2.	46.2	52.4
" " No. 3.	45.4	51.9
" " No. 4.	46.0	52.0
" Maximum .	45.6	
" " (Set) .	45.1	
" Minimum .	24.9	
" " (Set) .	45.2	
" Solar max. .		117.0
" " (Set) .		85.0
" Dry bulb . .	48.0	53.2
" Wet " . . .	44.6	46.6
Rain gauge C . . .	1 ounce 0.088 inches	
Wind, force & direction.	6 <sup>e</sup> S	6 <sup>e</sup> W
Clouds, amount & kind.	10 Pm	6 P. P. M. fm

	7 A. M.	2 P. M.	10 P. M.
Thermometer No. 2 .		53.1	42.0
" No. 3 .		52.6	41.3
" No. 4 .	42.2	53.0	41.3



FEBRUARY, 21, 1874.

1875

	10 A. M.	4 P. M.
Barometer . . . .	30.220	30.060
Thermometer attached.	63.0	62.6
" external No. 2.	38.0	38.1
" " No. 3.	37.2	37.3
" " No. 4.	37.6	37.5
" Maximum .	53.0	
" " (Set) .	37.9	
" Minimum .	35.0	
" " (Set) .	37.0	
" Solar max. .		85.0
" " (Set) .		40.0
" Dry bulb . .	39.0	38.9
" Wet " . . .	37.0	36.5
Rain gauge C . . .	0 $\frac{1}{4}$ inches 0.022 inches	
Wind, force & direction.	0 calm	0 calm
Clouds, amount & kind.	10 Pm mist raining	10 Pm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		39.0	37.6
" No. 3 .		38.4	37.0
" No. 4 .	36.0	38.6	37.3

FEBRUARY, 22, 1874.

	10 A. M.	5 P. M.	
Barometer . . .	30.270	30.270	
Thermometer attached.	65.0	65.0	
" external No. 2.	37.9	36.6	
" " No. 3.	37.0	36.0	
" " No. 4.	37.4	36.2	
" Maximum .	38.4		
" " (Set) .	38.0		
" Minimum .	35.9		
" " (Set) .	36.9		
" Solar max. .		46.0	
" " (Set) .		37.1	
" Dry bulb . .	38.4	37.2	
" Wet " . . .	36.6	35.7	
Rain gauge C . . .			
Wind, force & direction.	Calm 1/4 N		
Clouds, amount & kind.	Rainy a little Rainy		
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		39.0	38.2
" " No. 3 .		38.0	35.6
" " No. 4 .	36.2	38.2	35.9



FEBRUARY, 23, 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.915	29.949	Gauge & emptied at 10 A.M.
Thermometer attached.	66.8	67.6	
" external No. 2.	38.0	46.0	
" " No. 3.	37.1	45.3	
" " No. 4.	37.5	46.0	
" Maximum .	39.2		
" " (Set) .	37.6		
" Minimum .	34.1		
" " (Set) .	37.0		
" Solar max. .		61.9	
" " (Set) .		61.8	
" Dry bulb . .	38.6	47.3	
" Wet " . . .	37.3	45.4	
Rain gauge C . . .	4½ inches 0.397 inches		
Wind, force & direction.	0 S E	0 calm	
Clouds, amount & kind.	10 fm fm	9 P Rs fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		42.2	48.5
" No. 3 .		41.4	47.8
" No. 4 .	35.5	41.9	48.0

FEBRUARY, 24, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.371	30.498	
Thermometer attached.	68.7	68.1	
" external No. 2.	31.9	30.9	
" " No. 3.	31.6	30.0	
" " No. 4.	31.7	30.3	
" Maximum .	50.9		
" " (Set) .	32.2		
" Minimum .	31.0		
" " (Set) .	31.0		
" Solar max. .		77.4	
" " (Set) .		45.9	
" Dry bulb . .	32.5	31.4	
" Wet " . . .	26.0	24.8	
Rain gauge C . . .	0		
Wind, force & direction.	10 <sup>th</sup> NW	5 <sup>th</sup> NW	
Clouds, amount & kind.	10 P <sub>2</sub> M <sub>7</sub>	10 P <sub>2</sub> R <sub>3</sub> thin	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		30.7	
" No. 3 .		30.0	
" No. 4 .	32.0	30.1	



FEBRUARY, 125, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.558	30.272	At 4 P. M. snow measured in two places
Thermometer attached.	62.2	60.0	Height of 9 inches in.
" external No. 2.	24.0	25.9	6 1/2 cylinder 1 1/2 inches in
" " No. 3.	23.5	25.2	8 1/2 diameter 1 1/2 ounces
" " No. 4.	23.5	25.5	8 Mean depth
" Maximum .	32.3		7.85 inches
" (Set) .	24.4		9 Hence rainfall
" Minimum .	19.9		7 1/2 corresponding to 1 inch
" (Set) .	23.0		7 1/2 of this snow 0.087 inch
" Solar max. .		46.0	7 3/4 Rainfall
" (Set) .		28.5	7 3/4 0.684 inches
" Dry bulb . . .	24.6	26.8	
" Wet " . . . .	20.3	25.3	
Rain gauge C . . .	0		
Wind, force & direction.	8° NE	10° E	
Clouds, amount & kind.	10 P. R.	10 P. snowing	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		25.7	24.7
" No. 3 .		25.2	24.0
" No. 4 .	19.8	25.4	24.0



FEBRUARY, 20, 1874.

	10 A. M.	4 $\frac{1}{2}$ P. M.	
Barometer . . . . .	30.250	30.213	<p>Snow measured in ten places at 10 A.M. Height of 14 <math>\frac{1}{2}</math> inches in cylinder 1 <math>\frac{1}{2}</math> inches in diameter 2 <math>\frac{3}{8}</math> inches. Hence rainfall corresponding to 1 inch of this snow 0.103 inches. Snow packed, settled, and drifted since yesterday afternoon.</p> <p>Mean depth 13 <math>\frac{1}{2}</math> 12.125 inches 14 <math>\frac{1}{2}</math> 11 <math>\frac{1}{2}</math> Rainfall 10 <math>\frac{1}{2}</math> 11 <math>\frac{1}{2}</math> 1.246 inches 11 <math>\frac{1}{2}</math> .684 " 13 <math>\frac{1}{2}</math> 13 12 <math>\frac{1}{4}</math> 1.562 " since 4 P.M.</p>
Thermometer attached.	56.0	64.3	
" external No. 2.	22.8	30.0	
" " No. 3.	21.8	29.2	
" " No. 4.	22.0	29.4	
" Maximum .	26.8		
" (Set) .	22.9		
" Minimum .	16.1		
" " (Set) .	21.7		
" Solar max. .		107.7	
" " (Set) .		69.2	
" Dry bulb . . .	23.8	30.8	
" Wet " . . . .	20.8	25.6	
Rain gauge C . . .	See measure of snow		
Wind, force & direction.	5 <sup>th</sup> NW	3 <sup>rd</sup> W	
Clouds, amount & kind.	0 fm M Rs	1 fm M Rs	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		28.7	24.0
" No. 3 .		27.8	23.4
" No. 4 .	16.5	28.0	23.8



FEBRUARY, 27, 1871. HOZAM

	10 A. M.	4 P. M.	
Barometer . . .	29.970	29.976	
Thermometer attached.	65.0	69.5	
" external No. 2.	29.7	33.7	
" " No. 3.	28.8	32.8	
" " No. 4.	29.4	33.0	
" Maximum .	30.8		
" " (Set) .	30.0		
" Minimum .	22.9		
" " (Set) .	28.8		
" Solar max. . .		108.3	
" " (Set) .		76.0	
" Dry bulb . .	30.3	34.1	
" Wet " . . .	25.7	29.3	
Rain gauge C . . .	0		
Wind, force & direction.	8 <sup>e</sup> W	11 <sup>e</sup> W	
Clouds, amount & kind.	5 P. R.	1 M 7m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		34.0	24.6
" No. 3 .		33.0	23.9
" No. 4 .	25.0	33.5	23.9

FEBRUARY, 28, 1874

	10 A. M.	4 P. M.	
Barometer . . . . .	30.250	30.125	
Thermometer attached.	60.8	62.2	
" external No. 2.	* 17.0	32.3	* Carefully read.
" " No. 3.	16.8	31.6	
" " No. 4.	17.1	31.8	
" Maximum .	34.2		
" " (Set) .	18.5		
" Minimum .	7.4		
" " (Set) .	16.0		
" Solar max. .		106.4	
" " (Set) .		75.0	
" Dry bulb . .	18.1	33.0	
" Wet " . . .	15.0	27.8	
Rain gauge C . . .	0		
Wind, force & direction.	1 <sup>e</sup> SW	5 <sup>e</sup> SW	
Clouds, amount & kind.	6 Pr R	1 M Fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		30.8	26.7
" No. 3 .		30.0	26.4
" No. 4 .	7.5	30.3	26.0



FEB MARCH, 1, 1874.

	10 A. M.	5 P. M.	
Barometer . . . .	30.154	29.994	
Thermometer attached.	61.9	64.9	
" extern. No. 2.	29.0	43.3	
" " No. 3.	28.4	42.3	
" " No. 4.	28.5	42.6	
" Maximum .	31.7		
" " (Set) .	30.0		
" Minimum .	116.0 } *		* Supposed to be meant for 16.0 and 28.4
" " (Set) .	18.4 }		
" Solar max. .			
" " (Set) .		53.0	
" Dry bulb .	30.0	43.8	
" Wet " .	27.0	45.4 +	+ Supposed to be meant for 35.4
	0	0	
Rain gauge C . . .			
Wind, force & direction.	Calm	0	
Clouds, amount & kind.	1 Rs	1 Rs	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .			32.2
" " No. 3 .			31.4
" " No. 4 .	23.0		31.5

MARCH, 2, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.144	30.108	At 7 <sup>5</sup> / <sub>6</sub> A.M. Dry 32.2 Wet 30.7 No. 4 30.4
Thermometer attached.	67.0	74.0	
" external No. 2.	41.3	51.0	
" " No. 3.	40.0	50.0	Gauge A emptied at 10 A.M.
" " No. 4.	40.2	50.4	
" Maximum .	43.1		
" " (Set) .	40.0		
" Minimum .	28.1		
" " (Set) .	40.2		
" Solar max. .		124.4	
" " (Set) .		96.3	
" Dry bulb . .	42.4	51.7	
" Wet " . . .	36.6	42.6	
Rain gauge C . . .	0		
Wind, force & direction.	0 <sup>e</sup> SW	1 <sup>e</sup> SW	
Clouds, amount & kind.	0 haze	0 <del>hazy</del>	
	7 A. M.	2 P. M.	10 P. M.
Thermometer No. 2 .		57.7	45.1
" No. 3 .		50.8	44.2
" No. 4 .	29.0	51.1	44.8



MARCH, 3, 1874

	10 A. M.	4 P. M.	
Barometer . . . .	30.160	30.058	At 8 $\frac{1}{2}$ A.M.
Thermometer attached.	63.6	69.0	Dry 34.8 Wet 33.2
" external No. 2.	46.0	54.7	No. 4 33.0
" " No. 3.	45.0	53.9	
" " No. 4.	45.3	54.4	
" Maximum .	51.0		
" " (Set) .	44.8		
" Minimum .	30.8		
" " (Set) .	45.0		
" Solar max. .	<del>5</del>	112.0	
" " (Set) .		97.0	
" Dry bulb . .	47.1	55.3	
" Wet " . . .	39.4	49.2	
Rain gauge C . . .	0		
Wind, force & direction.	2 <sup>nd</sup> S.W	2 <sup>nd</sup> S.W	
Clouds, amount & kind.	9 Pz Rst thin	3 Bm Pz Rst	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		54.9	47.2
" No. 3 .		54.1	46.8
" No. 4 .	30.5	55.0	46.8

MARCH, 4, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.570	29.492	8.94575 0.30103 9.24678
Thermometer attached.	62.3	64.1	
" external No. 2.	53.7	54.6	
" " No. 3.	52.8	53.7	
" " No. 4.	53.2	54.3	
" Maximum .	55.5		
" " (Set) .	50.9		
" Minimum .	45.0		
" " (Set) .	52.5		
" Solar max. .		96.8	
" " (Set) .		64.0	
" Dry bulb . .	54.6	55.4	
" Wet " . . . .	53.0	51.8	
Rain gauge C . . .	2 ounces 0.177 inches		
Wind, force & direction.	10 <sup>e</sup> S	9 <sup>e</sup> S	
Clouds, amount & Wind.	10 Pm. raining	10 Pm. Fair	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		55.1	40.8
" No. 3 .		54.2	40.0
" No. 4 .	51.0	54.9	40.3



MARCH, 5, 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.170	30.232	No noticeable zodiacal light at 7 P. M.
Thermometer attached.	59.1	62.4	
" external No. 2.	31.0	39.1	
" " No. 3.	30.1	38.6	
" " No. 4.	30.3	38.6	
" Maximum .	54.2		
" " (Set) .	31.3		
" Minimum .	25.1		
" " (Set) .	30.0		
" Solar max. .		111.0	
" " (Set) .		85.0	
" Dry bulb . . . .	31.6	39.8	
" Wet " . . . .	25.4	30.0	
Rain gauge C . . . .	0 $\frac{3}{8}$ inches 0.033 inches		
Wind, force & direction.	10 <sup>th</sup> NW	9 <sup>th</sup> W	
Clouds, amount & kind.	0	0	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 . .		39.9	29.5
" " No. 3 . . . .		38.9	28.8
" " No. 4 . . . .	25.2	39.1	28.7

MARCH, 6, 1874.

702

	10 A. M.	4 P. M.	
Barometer . . . . .	30.430	30.330	At 8 1/2 A.M.
Thermometer attached.	53.0	63.6	Dry 21.8
" external No. 2.	27.2	35.7	Wet 21.2
" " No. 3.	26.6	35.0	No. 4 21.2
" " No. 4.	25.8	35.4	
" Maximum .	39.1		
" " (Set) .	28.0		
" Minimum .	17.4		
" " (Set) .	26.4		
" Solar max. .		102.3	
" " (Set) .		49.5	
" Dry bulb . . .	27.9	36.0	
" Wet " . . . .	21.9	29.3	
Rain gauge C . . .	0		
Wind, force & direction.	4 <sup>th</sup> NE	6 <sup>th</sup> E	10 <sup>th</sup>
Clouds, amount & kind.	9 <sup>th</sup> thin	10 <sup>th</sup> fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		34.6	32.0
" No. 3 .		34.0	31.2
" No. 4 .	15.3	34.4	31.1



MARCH, 7, 1874.

18

	10 A. M.	4 P. M.
Barometer . . . . .	30.094	29.851
Thermometer attached.	62.6	59.8
“ external No. 2.	32.0	32.1
“ “ No. 3.	31.2	31.5
“ “ No. 4.	31.5	31.5
“ Maximum .	35.2	
“ “ (Set) .	32.4	
“ Minimum .	26.2	
“ “ (Set) .	31.3	
“ Solar max. .		49.0
“ “ (Set) .		34.0
“ Dry bulb . . .	32.5	32.8
“ Wet “ . . . .	29.7	30.9
Rain gauge C . . .	0	1 1/2 ounces 0.165 inches
Wind, force & direction.	5° E	10° NE
Clouds, amount & kind.	10 P. Pm Fm	10 P. Pm sheet

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		31.5	32.6
“ No. 3 .		30.8	31.8
“ No. 4 .	31.2	31.0	31.9

A little snow  
from 7 to 8 A.M.

27.300  
9.4575  
21.8425

MARCH, 8, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.576	29.000	x Gauge C
Thermometer attached.	63.0	69.9	cleared out.
" external No. 2.	32.0	38.4	
" " No. 3.	31.5	37.8	Snow averaging
" " No. 4.	32.3	37.9	about 3/4 of an
" Maximum .	<del>24.33</del>		inch, and
" " (Set) .	33.0		melting very
" Minimum .	24.7		fast.
" " (Set) .	30.9		Assuming this
" Solar max. .		114.8	snow one tenth
" " (Set) .		63.1	as dense as water,
" Dry bulb . .	33.0	39.0	rainfall 0.075 inches
" Wet " . . .	30.4	x 37.6	Probably as much as
Rain gauge C . . .	+		3/4 of an inch of snow
Wind, force & direction.	calm	16 N.W	fell after 4 P.M. March 7.
Clouds, amount & kind.	10 P. P. M.	M. P. 4	The whole rainfall
			may be estimated
			accordingly at 0.240
			inches. There is no
			means here of correctly
			determining the
			rainfall due to
			melting snow.
			x Possibly 27.6
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		39.6	33.4
" No. 3 .		38.4	32.3
" No. 4 .	26.0	39.0	32.4



MARCH, 9, 1874.

1874phae.proj..373.

	10 A. M.	4 P. M.	
Barometer . . . .	29.402	29.384	
Thermometer attached.	59.2	62.3	A little zodiacal light over clouds about 7 P.M.
" external No. 2.	34.0	32.2	
" " No. 3.	33.3	31.9	
" " No. 4.	33.5	32.0	
" Maximum .	39.9		
" (Set) .	34.0		
" Minimum .	27.7		
" (Set) .	33.1		
" Solar max. .		97.8	
" (Set) .		40.2	
" Dry bulb . . .	34.8	32.8	
" Wet " . . . .	29.2	27.2	
Rain gauge C . . .	0		
Wind, force & direction.	10 <sup>th</sup> W	13 <sup>th</sup> SW	
Clouds, amount & kind.	7 Pm Rs	10 Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		34.0	25.0
" No. 3 .		33.2	24.8
" No. 4 .	28.3	33.6	24.6

MARCH, 10, 1874.

	10 A. M.	4 P. M.
Barometer . . . . .	29.298	29.279
Thermometer attached.	49.8	63.3
" external No. 2.	23.2	25.0
" " No. 3.	22.7	24.2
" " No. 4.	22.9	24.5
" Maximum .	35.4	
" " (Set) .	24.0	
" Minimum .	18.3	
" " (Set) .	22.2	
" Solar max. .		96.0
" " (Set) .		33.8
" Dry bulb . .	24.0	25.8
" Wet " . . .	19.7	22.1
Rain gauge C . . .	0	
Wind, force & direction.	12 <sup>th</sup> W	15 <sup>th</sup> NW
Clouds, amount & kind.	10 P <sub>2</sub> 7m	10 P <sub>2</sub> 7m

At 8 A. M.  
Dry 22.7 Wet 21.4  
No. 4 21.3

A little snow  
in the middle  
of the day

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		23.6	23.1
" No. 3 .		22.7	22.9
" No. 4 .	18.5	23.0	22.9



MARCH, 11, 1874.

	10 A. M.	4 P. M.	At 8 $\frac{1}{4}$ A. M.
Barometer . . . .	29.426	29.403	Dry 22.8 Wet 21.6
Thermometer attached.	59.4	53.2	No. 4 21.7
" external No. 2.	22.8	16.0	
" " No. 3.	22.2	15.8	
" " No. 4.	22.6	15.8	
" Maximum .	24.8		
" " (Set) .	23.4		
" Minimum .	19.9		
" " (Set) .	22.0		
" Solar max. .		56.6	
" " (Set) .		24.0	
" Dry bulb . .	23.8	17.0	
" Wet " . . . .	19.4	15.0	
Rain gauge C . . .	0		
Wind, force & direction.	11 <sup>2</sup> NW	9 <sup>2</sup> NW	
Clouds, amount & kind.	10 Pz	10 Pz snowing	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		19.9	13.4
" No. 3 .		19.7	13.1
" No. 4 .	20.0	19.9	* Perhaps 13.5 from the other readings.

MARCH, 12, 1874.

	10 A. M.	4 P. M.	At 8 <sup>5</sup> / <sub>12</sub> A. M.
Barometer . . . . .	29.381	29.330	Dry 15.5 Wet 14.3 No. 4 14.3
Thermometer attached.	45.7	41.9.0	
" external No. 2.	17.0	23.1	
" " No. 3.	16.3	22.5	
" " No. 4.	16.4	22.6	
" Maximum .	24.0		
" " (Set) .	18.3		
" Minimum .	11.3		
" " (Set) .	16.1		
" Solar max. .		95.0	
" " (Set) .		69.0	
" Dry bulb . .	17.8	23.8	
" Wet " . . . .	13.4	19.0	
Rain gauge C . . .	0		
Wind, force & direction.	20 W	13 <sup>e</sup> W	
Clouds, amount & kind.	1 P. R.	2 P. fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		23.2	13.8
" No. 3 .		22.6	13.0
" No. 4 .	11.8	22.7	12.9



MARCH, 13, 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.530	29.530	At 8 $\frac{1}{2}$ A.M.
Thermometer attached.	53.7	55.2	Dry 14.8 Wet 13.8 No. 4 13.4
" external No. 2.	16.9	22.9	
" " No. 3.	16.5	22.0	No zodiacal light
" " No. 4.	16.3	22.1	seen about 7 $\frac{1}{2}$ P.M.;
" Maximum .	23.0		sky clear
" " (Set) .	18.0		
" Minimum .	9.4		
" " (Set) .	16.0		
Solar max. .		98.3	
" " (Set) .		69.3	
" Dry bulb . .	17.5	<del>17.5</del> 23.5	
" Wet " . . .	13.2	<del>18.2</del> 18.8	
Rain gauge C . . .	0		
Wind, force & direction.	18 <sup>h</sup> W	12 <sup>h</sup> NW	
Clouds, amount & kind.	2 R R	7 R R	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		21.9	19.5
" No. 3 .		21.0	18.8
" No. 4 .	10.2	21.2	18.8

MARCH, 14, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.904	29.933	At 8 A. M.,
Thermometer attached.	57.0	59.4	Dry 24.3 Wet 23.0
" external No. 2.	29.3	36.0	No. 4. 22.8
" " No. 3.	28.2	35.2	
" " No. 4.	28.6	35.4	
" Maximum .	28.8		
" " (Set) .	29.0		
" Minimum .	15.9		
" " (Set) .	28.3		
" Solar max. .		108.0	
" " (Set) .		77.6	
" Dry bulb . .	30.0	36.6	
" Wet " . . .	24.6	31.6	
Rain gauge C . . .	0		
Wind, force & direction.	16° NW	12° NW	
Clouds, amount & kind.	1 Pz fm	0 Pz	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		36.8	23.1
" " No. 3 .		36.0	22.6
" " No. 4 .	19.5	36.2	24.6



MARCH, 15, 1874.

	10 A. M.	4 P. M.
Barometer . . . .	30.310	30.311
Thermometer attached.	55.9	67.1
" external No. 2.	28.5	36.0
" " No. 3.	27.7	35.6
" " No. 4.	27.9	35.1
" Maximum .	31.1	3
" " (Set) .	28.9	
" Minimum .	18.7	
" " (Set) .	27.9	
" Solar max. .		110.4
" " (Set) .		77.0
" Dry bulb . . .	29.3	36.1
" Wet " . . . .	—	31.8
Rain gauge C . . .	0	
Wind, force & direction.	2 N	1/2 N
Clouds, amount & kind.	1 R <sub>0</sub>	0

Zodiacal light  
distinct at 7<sup>3</sup>/<sub>4</sub> P.M.;  
vertex near the Pleiades;  
northern edge passing  
between  $\alpha$  &  $\beta$  Aries.  
Means about the  
middle.

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .			28.5
" No. 3 .			27.8
" No. 4 .	21.2		27.8

MARCH, 16, 1874.

	10 A. M.	4 P. M.	At 9½ A.M., Dry 32.3 Wet 30.4 No. 4 30.6
Barometer . . . . .	30.528	30.455	
Thermometer attached.	63.3	68.8	
" external No. 2.	34.2	39.6	
" " No. 3.	33.4	38.8	
" " No. 4.	33.5	38.9	
" Maximum .	37.2		
" " (Set) .	33.2		
" Minimum .	21.1		
" " (Set) .	33.4		
" Solar max. .		12 1.1	
" " (Set) .		59.7	
" Dry bulb . . .	35.4	40.0	
" Wet " . . . .	32.0	34.7	
Rain gauge C . . .	0		
Wind, force & direction.	0° S.	5° NE	
Clouds, amount & kind.	8 Pt; thin	10 Pt	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		47.7	33.4
" No. 3 .		40.7	32.7
" No. 4 .	21.3	41.0	32.6



MARCH, 17, 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.431	30.351	
Thermometer attached.	68.7	66.7	
" external No. 2.	37.0	39.4	
" " No. 3.	36.0	38.6	
" " No. 4.	36.5	38.8	
" Maximum .	47.9		
" " (Set) .	36.8		
" Minimum .	31.0		
" " (Set) .	36.0		
" Solar max. .		59.7	
" " (Set) .		44.2	
" Dry bulb . . .	37.7	40.0	
" Wet " . . . .	35.3	37.9	
Rain gauge C . . .	0 1/2 ounces 0.044 inches		
Wind, force & direction.	5 <sup>th</sup> S E	3 <sup>rd</sup> E	
Clouds, amount & kind.	10 Pm a little rain	10 Pm a little rain	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		38.9	37.0
" No. 3 .		37.9	36.8
" No. 4 .	33.0	38.5	36.9

MARCH, 18, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.186	30.051	
Thermometer attached.	66.4	64.8	
" external No. 2.	53.7	57.2	
" " No. 3.	52.7	56.4	
" " No. 4.	53.4	57.1	
" Maximum .	52.7		
" " (Set) .	48.9		
" Minimum .	35.8		
" " (Set) .	52.0		
" Solar max. .		85.4	
" " (Set) .		63.7	
" Dry bulb . .	54.6	58.0	
" Wet " . . .	53.0	56.2	
Rain gauge C . . .	3 vms as 0.265 inches		
Wind, force & direction.	4 <sup>th</sup> S	7 <sup>th</sup> S	
Clouds, amount & kind.	10 Pm a little fine rain	10 Pm fine rain	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		57.7	57.6
" No. 3 .		56.9	51.4
" No. 4 .	41.7	57.7	51.3



MARCH, 19, 1874.

1879

	10 A. M.	4 P. M.
Barometer . . . .	29.750	29.558
Thermometer attached.	67.0	71.3
" external No. 2.	53.0	57.0
" " No. 3.	52.5	56.5
" " No. 4.	53.0	56.9
" Maximum .	57.4	
" " (Set) .	51.4	
" Minimum .	44.8	
" " (Set) .	52.0	
" Solar max. .		97.7
" " (Set) .		60.2
" Dry bulb . . .	54.0	57.9
" Wet " . . . .	51.4	54.2
Rain gauge C . . .	0 $\frac{1}{4}$ inches 0.022 inches	
Wind, force & direction.	3 <sup>e</sup> S.	6 <sup>e</sup> S
Clouds, amount & kind.	10 Pm	10 Pm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		60.6	54.8
" No. 3 .		59.9	53.8
" No. 4 .	46.2	60.6	54.0

MARCH, 20, 1874.

	10 A. M.	4 P. M.	At 8½ A.M., Dry 42.0 Wet 40.5 Humid 40.7
Barometer . . . .	29.826	29.858	
Thermometer attached.	62.3	63.0	
" external No. 2.	42.8	43.3	
" " No. 3.	41.9	42.7	
" " No. 4.	42.2	42.9	
" Maximum .	60.4		
" " (Set) .	42.7		
" Minimum .	39.8		
" " (Set) .	41.8		
" Solar max. .		103.0	
" " (Set) .		81.3	
" Dry bulb . .	43.2	43.8	
" Wet " . . .	35.0	32.3	
Rain gauge C . . .	0		
Wind, force & direction.	14° W	15° W	
Clouds, amount & kind.	8 M P R	1 P M 7 m	
	7 A. M.	2 P. M.	10 P. M.
Thermometer No. 2 .		44.9	34.6
" No. 3 .		43.9	33.8
" No. 4 .	40.0	44.4	33.6



MARCH, 21, 1874.

	10 A. M.	4 P. M.	At 8 $\frac{1}{2}$ A. M. Dry 33.7 Wet 32.1 No. 4 31.8
Barometer . . . .	29.990	29.798	
Thermometer attached.	46.8	53.0	
" external No. 2.	39.4	54.0	
" " No. 3.	38.1	50.0	
" " No. 4.	38.4	50.6	
" Maximum .	44.4		
" " (Set) .	39.0		
" Minimum .	24.3		
" " (Set) .	38.3		
" Solar max. .		119.0	
" " (Set) .		88.0	
" Dry bulb . .	40.0	51.7	
" Wet " . . .	32.5	41.0	
Rain gauge C . . .	0		
Wind, force & direction.	9' SW	15' SW	
Clouds, amount & kind.	2 Pz Rs	8 Pm Fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		50.9	41.9
" No. 3 .		50.0	41.0
" No. 4 .	26.2	50.2	41.3

MARCH, 22, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.650	29.651	Weight of bottle and water, $15\frac{3}{8}$ oz. Same as weight of bottle. Sleet in the morning, not enough to measure.
Thermometer attached.	47.1	51.3	
" external No. 2.	36.8	42.1	
" " No. 3.	35.9	41.4	
" " No. 4.	36.2	41.0	
" Maximum .	51.3		
" " (Set) .	37.3		
" Minimum .	35.7		
" " (Set) .	36.0		
" Solar max. .		111.0	
" " (Set) .		86.0	
" Dry bulb . .	37.4	42.9	
" Wet " . . . .	34.6	32.2	
Rain gauge C . . . .		X $15\frac{1}{8}$ oz	
Wind, force & direction.	about 18	5 W. N. W.	
Clouds, amount & kind.	Raining	1 Rs	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		42.8	35.0
" No. 3 .		42.8	34.5
" No. 4 .	37.2	43.0	34.2



MARCH, 23, 1874

	10 A. M.	4 P. M.
Barometer	29.729	29.811
Thermometer attached.	56.0	60.2
" external No. 2.	29.8	32.5
" " No. 3.	28.9	31.8
" " No. 4.	29.1	31.9
" Maximum	44.2	
" (Set)	31.0	
" Minimum	27.1	
" (Set)	28.9	
" Solar max.		108.5
" (Set)		82.2
Dry bulb	30.4	33.0
" Wet "	23.5	25.0
Rain gauge - C	0	
Wind, force & direction.	19 <sup>e</sup> W	22 <sup>e</sup> W
Clouds, amount & kind.	4 M 7m	4 M 7m

At 9<sup>12</sup> A.M.  
Dry 30.1 Wet 28.8  
No. 4 29.2

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		33.0	22.6
" No. 3		32.6	22.0
" No. 4	27.5	32.7	22.0

MARCH, 24, 1874.

	10 A. M.	4 P. M.
Barometer . . . .	30.210	30.170
Thermometer attached.	47.2	57.5
" external No. 2.	11.8	23.6
" " No. 3.	11.2	22.9
" " No. 4.	11.2	22.9
" Maximum .	33.0	
" " (Set) .	13.0	
" Minimum .	6.0	
" " (Set) .	10.6	
" Solar max. .	<del>8.2</del>	93.8
" " (Set) .		70.0
" Dry bulb . .	13.0	24.0
" Wet " . . .	9.0	18.2
Rain gauge C . . .	0 <sup>1</sup> / <sub>8</sub> inches 0.011 inches	
Wind, force & direction.	20° NW	17° W
Clouds, amount & kind.	0 Fm	3 M Fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		21.0	21.7
" No. 3 .		20.0	21.1
" No. 4 .	6.2	20.2	21.0



MARCH, 25, 1874.

1874phae.proj..373.

	10 A. M.	4 P. M.	
Barometer . . . .	30.223	30.021	
Thermometer attached.	58.9	61.8	
" external No. 2.	33.8	45.3	
" " No. 3.	32.8	44.8	
" " No. 4.	33.1	45.0	
" Maximum .	33.0		
" " (Set) .	33.0		
" Minimum .	10.6		
" " (Set) .	32.8		
" Solar max. .		111.9	
" " (Set) .		72.9	
" Dry bulb . . .	34.6	45.8	
" Wet " . . . .	27.0	34.9	
Rain gauge C . . .	0		
Wind, force & direction.	14° SW	13° SW	
Clouds, amount & kind.	0 R R	5 P R R P m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		43.8	37.6
" No. 3 .		43.1	36.9
" No. 4 .	19.3	43.5	36.9

MARCH, 26, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.922	29.732	At 8 1/4 A.M., Dry 45.0 Wet 43.6 No. 4 43.8
Thermometer attached.	66.3	66.7	
" external No. 2.	49.9	55.0	
" " No. 3.	48.9	54.2	
" " No. 4.	49.6	55.0	
" Maximum .	49.2		
" " (Set) .	48.9		
" Minimum .	32.8		
" " (Set) .	48.1		
" Solar max. .	☉	95.2	
" " (Set) .		72.0	
" Dry bulb . .	50.6	55.9	
" Wet " . . .	40.8	45.7	
Rain gauge C . . .	0		
Wind, force & direction.	4° SW	13° SW	
Clouds, amount & kind.	10 P. Rs thin	10 P. 3m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		57.1	
" No. 3 .		56.8	
" No. 4 .	40.4	57.4	



MARCH, 27, 1874.

	10 A. M.	4 P. M.
Barometer . . . .	30.041	30.015
Thermometer attached.	57.7	65.4
" external No. 2.	37.7	43.0
" " No. 3.	36.5	42.0
" " No. 4.	36.8	42.3
" Maximum .	57.2	
" " (Set) .	37.4	
" Minimum .	31.8	
" " (Set) .	36.5	
" Solar max. .		114.8
" " (Set) .		88.7
" Dry bulb . .	38.2	43.6
" Wet " . . .	30.2	32.2
Rain gauge C . . .	0	
Wind, force & direction.	7 <sup>th</sup> NW	6 <sup>th</sup> SW
Clouds, amount & kind.	7 P R 7 m	0 R R

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		41.4	35.1
" No. 3 .		40.7	34.7
" No. 4 .	32.3	40.8	34.1



MARCH, 28, 1874.

	10 A. M.	4 P. M.	At 8½ A. M.
Barometer . . . . .	29.964	29.911	10 measures of depth of snow
Thermometer attached.	62.8	64.2	9 } mean 8.9 inches
" external No. 2.	32.9	38.9.	8 } 10 inches
" " No. 3.	32.1	38.2	9 } in cylinder
" " No. 4.	33.0	38.5	9 } 17 inches in diameter weigh
" Maximum .	42.6		9 } 1¼ ounces.
" " (Set) .	33.4		9 } Rainfall 0.698 inches
" Minimum .	29.8		9.79710
" " (Set) .	32.0		0.09691 8.89461
" Solar man.		135.7	0.94939 0.078
" " (Set) .		53.3	9.00000 inches water
" Dry bulb . . .	33.9	39.6	9.84400 to 1 inch snow.
" Wet " . . . .	33.0	32.3	Snow fell without wind and contained much air, although it was damp.
Rain gauge C . . .	See snow measures		
Wind, force & direction.	5° NW	5° N	Snow previous night; ceased about 8½ A. M.
Clouds, amount & kind.	8 Pm fm	10 Pm M fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		41.0	32.0
" No. 3 .		40.4	31.5
" No. 4 .	31.0	41.0	31.3



MARCH, 29, 1874.

	10 A. M.	4 P. M.	
Barometer . . .	30.165	30.117	
Thermometer attached.	56.6	62.9	
" external No. 2.	29.9	34.0	
" " No. 3.	29.0	33.3	
" " No. 4.	29.5	33.4	
" Maximum .	41.0		
" " (Set) .	32.4		
" Minimum .	26.0		
" " (Set) .	28.9		
" Solar max. .		71.4	
" " (Set) .		81.0	
" Dry bulb . .	30.4	34.9	
" Wet " . . .	28.0	27.3	
Rain gauge C . . .	0		
Wind, force & direction.	5 W. N. W	4 W	
Clouds, amount & kind.	10 P m Pr	1 R	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		33.1	28.0
" No. 3 .		32.6	27.4
" No. 4 .	27.5	32.6	27.1

MARCH, 30, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.998	29.831	
Thermometer attached.	59.7	66.8	
" external No. 2.	41.0	48.1	
" " No. 3.	40.0	47.3	
" " No. 4.	40.5	47.7	
" Maximum .	40.6		
" " (Set) .	40.3		
" Minimum .	20.2		
" " (Set) .	40.0		
" Solar max .		117.2	
" " (Set) .		92.2	
" Dry bulb . . .	41.7	48.8	
" Wet " . . . .	36.2	37.8	
Rain gauge C . . .	0		
Wind, force & direction.	12° SW	14° SW	
Clouds, amount & kind.	7 Pm 7m	5 Pm 7m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		47.2	38.3
" No. 3 .		46.5	37.7
" No. 4 .	27.2	46.9	37.9



MARCH, 31, 1874

	10 A. M.	4 P. M.	
Barometer . . . . .	30.017	30.034	
Thermometer attached.	58.9	64.1	
" external No. 2.	33.4	32.0	
" " No. 3.	32.8	31.5	
" " No. 4.	33.1	31.7	
" Maximum .	47.8		
" " (Set) .	33.5		
" Minimum .	28.8		
" " (Set) .	32.5		
" Solar max. .		92.0	
" " (Set) .		36.0	
" Dry bulb . .	33.8	32.5	
" Wet " . . . .	26.4	25.6	
Rain gauge C . . .	0		
Wind, force & direction.	6 <sup>e</sup> NW	5 <sup>e</sup> NE	
Clouds, amount & kind.	10 Pm	10 Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		34.0	25.7
" No. 3 .		33.5	25.0
" No. 4 .	31.3	33.9	25.1

APRIL, 1, 1874.

	10 A. M.	4 P. M.	At 8 $\frac{2}{3}$ A. M. Dry 23.2 Wet 22.0 No. 4 21.9
Barometer . . . .	30.350	30.262	
Thermometer attached.	63.7	66.8	
" external No. 2.	25.0	27.2	
" " No. 3.	23.9	26.1	
" " No. 4.	24.3	26.3	
" Maximum .	34.0		
" " (Set) .	25.8		
" Minimum .	13.5		
" " (Set) .	24.0		
" Solar max. .		109.0	
" " (Set) .		75.8	
" Dry bulb . .	25.7	27.5	
" Wet " . . .	20.8	23.0	
Rain gauge C . . .	0		
Wind, force & direction.	6 <sup>th</sup> E	7 <sup>th</sup> E	
Clouds, amount & kind.	7 Pm Fm	1 Pm Rs	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		28.3	24.0
" No. 3 .		26.9	23.2
" No. 4 .	16.5	27.3	23.0



APRIL, 2, 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.090	29.965	At 8 $\frac{1}{2}$ A. M.
Thermometer attached.	62.0	65.0	Dry 29.5 Wet 28.0
" external No. 2.	* 32.1	36.2	No. 4 28.2
" " No. 3.	32.0	35.8	* correct
" " No. 4.	32.0	35.7	
" Maximum .	33.0		
" " (Set) .	32.5		
" Minimum .	27.9		
" " (Set) .	31.7		
" Solar max. .		111.0	
" " (Set) .		86.9	
" Dry bulb . .	32.6	36.7	
" Wet " . . .	27.7	31.0	
Rain gauge C . . .	0		
Wind, force & direction.	3 <sup>e</sup> E	8 <sup>e</sup> E	
Clouds, amount & kind.	5 P. M. Fin	0 haze	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		38.8	33.0
" No. 3 .		38.4	31.8
" No. 4 .	25.0	38.2	31.9

APRIL, 3, 1874.

	10 A. M.	4 P. M.	At 8 A. M., Dry 38.2 Wet 36.8 No. 4 37.0
Barometer . . . . .	29.714	29.728	
Thermometer attached.	55.2	62.0	
" external No. 2.	43.7	42.0	
" " No. 3.	42.4	41.2	
" " No. 4.	43.0	41.5	
" Maximum .	42.8		
" " (Set) .	42.8		
" Minimum .	28.4		
" " (Set) .	42.3		
" Solar max. .		112.6	
" " (Set) .		91.0	
" Dry bulb . . .	44.4	42.6	
" Wet " . . . .	38.4	31.5	
Rain gauge C . . .	0		
Wind, force & direction.	3 <sup>rd</sup> SW	17 <sup>th</sup> W	
Clouds, amount & kind.	10 Pm	1 R R	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		45.4	31.8
" No. 3 .		44.6	30.8
" No. 4 .	34.0	45.0	30.5



APRIL, 4, 1874.

	10 A. M.	4 P. M.	
Barometer	29.820	29.874	Snow at 10 A. M. about $1\frac{1}{4}$ inches deep, pretty uniform. 10 inches in cylinder $1\frac{1}{8}$ inches in diameter weigh $1\frac{1}{4}$ ounces. Hence 0.078 inches water to 1 inch snow; rainfall 0.098 inches; to be preferred to result by Gauge C.
Thermometer attached.	64.2	58.0	
" external No. 2.	29.0	28.0	
" " No. 3.	28.5	27.5	
" " No. 4.	29.0	27.5	
" Maximum	45.8		
" " (Set)	30.0		
" Minimum	25.3		
" " (Set)	28.2		
" Solar max.		107.3	
" " (Set)		47.2	* too much dried up. At $4\frac{1}{2}$ P.M., Dry not 28.0 21.6
" Dry bulb	29.8	28.5	
" Wet "	27.3	25.0 <sup>+</sup>	
Rain gauge C	0.066 inches (see snow measures)		
Wind, force & direction.	2 <sup>e</sup> N	16 <sup>e</sup> NW	
Clouds, amount & kind.	10 P., a little snow	4 P.m P.M. f.m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		39.1	20.0
" No. 3		30.0	19.4
" No. 4	26.8	30.4	19.3

APRIL, 5, 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.360		
Thermometer attached.	52.8		
" external No. 2.	29.0		
" " No. 3.	27.8		
" " No. 4.	28.0		
" Maximum .	30.7		
" " (Set) .	30.0		
" Minimum .	14.1		
" " (Set) .	28.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	30.0		
" Wet " . . . .	24.7		
Rain gauge C . . .	0		
Wind, force & direction.	1 N W		
Clouds, amount & kind.	0		
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		38.2	30.0
" No. 3 .		37.3	29.1
" No. 4 .	19.5	27.5	29.2



APRIL, 6, 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.807	29.958	At 8 $\frac{1}{2}$ A.M.
Thermometer attached.	64.9	66.9	Dry 37.3 Wet 36.0
" external No. 2.	43.7	46.4	No. 4 36.6
" " No. 3.	42.8	45.5	Snow and rain
" " No. 4.	43.0	45.9	previous night
" Maximum .	42.9		Some aurora
" " (Set) .	42.4		at 10 P.M.
" Minimum .	27.4		
" " (Set) .	43.0		
" Solar max. .		124.5	
" " (Set) .		92.2	
" Dry bulb . .	44.6	46.9	
" Wet " . . . .	40.9	38.1	
Rain gauge C . . .	4 $\frac{5}{8}$ ounces 0.408 inches		
Wind, force & direction.	8 <sup>c</sup> W	13 <sup>c</sup> W	
Clouds, amount & kind.	2 P M Im	0 P R s	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		48.6	36.8
" No. 3 .		47.6	36.1
" No. 4 .	34.5	48.0	36.1

APRIL, 7, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.050	29.981	At 8 A.M.
Thermometer attached.	65.0	65.8	Dry 35.3 Wet 33.9
" external No. 2.	36.2	38.3	No. 4 34.0
" " No. 3.	35.2	37.6	Gauge A emptied
" " No. 4.	35.7	37.8	out about 10 A.M.
" Maximum .	48.8		
" " (Set) .	36.0		
" Minimum .	30.0		
" " (Set) .	35.2		
" Solar max. .		92.0	
" " (Set) .		45.0	
" Dry bulb . .	36.7	39.0	
" Wet " . . .	34.8	36.7	
Rain gauge C . . .	0 1/2 inches 0.041 inches		
Wind, force & direction.	1 <sup>st</sup> SE	2 <sup>nd</sup> E	
Clouds, amount & kind.	10 P.m. raining	10 P.m.	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		37.6	37.3
" No. 3 .		36.6	36.7
" No. 4 .	33.2	37.0	36.9



APRIL 8, 1874.

1874phae.proj..373.

	10 A. M.	4 P. M.	
Barometer . . . .	30.156	30.036	
Thermometer attached.	65.3	71.7	
" external No. 2.	44.3	41.8	Gauge A
" " No. 3.	43.6	40.9	at 10 A. M.
" " No. 4.	44.1	40.8	21 $\frac{1}{2}$ ounces
" Maximum .	44.0		0.185 inches
" " (Set) .	43.8		7.93546
" Minimum .	31.3		1.33244
" " (Set) .	43.4		9.26790
" Solar max. .		116.4	
" " (Set) .		71.0	
" Dry bulb . . .	45.3	42.0	
" Wet " . . . .	41.0	39.8	
Rain gauge C . . .	2 ounces 0.177 inches		
Wind, force & direction.	2 NE	9 E	
Clouds, amount & kind.	9 Pa haze	6 Pa Rm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		46.8	
" No. 3 .		45.8	
" No. 4 .	32.0	46.1	

APRIL, 9, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.020	30.086	At 10 A.M.
Thermometer attached.	58.8	66.0	gauge A 43 <sup>3</sup> / <sub>4</sub> inches
" external No. 2.	35.9	41.4	0.377 inches
" " No. 3.	35.1	40.4	1.64098
" " No. 4.	35.5	40.7	7.93546
" Maximum .	48.3		9.57644
" " (Set) .	35.7		
" Minimum .	32.9		
" " (Set) .	35.0		
" Solar max. .		81.0	
" " (Set) .		51.6	
" Dry bulb . .	36.9	42.0	
" Wet " . . .	34.9	37.8	
Rain gauge C . . .	4 <sup>3</sup> / <sub>8</sub> inches 0.386 inches		
Wind, force & direction.	7 <sup>2</sup> N	8 <sup>2</sup> NE	
Clouds, amount & kind.	<del>10 Pm</del> 10 Pm	10 Pm Fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		39.9	36.7
" No. 3 .		39.5	35.9
" No. 4 .	33.0	40.0	36.1



APRIL, 10, 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.490	29.664	At 10 $\frac{1}{2}$ A.M. 87 $\frac{3}{4}$ inches taken from gauge A; some water left.
Thermometer attached.	56.9	57.9	
" external No. 2.	34.0	35.7	
" " No. 3.	33.1	34.3	
" " No. 4.	33.4	35.9	
" Maximum.	40.5		
" " (Set) .	33.7		
" Minimum .	32.3		
" " (Set) .	33.1		
" Solar max. .		87.6	
" " (Set) .		63.1	
" Dry bulb . . .	35.0	37.0	
" Wet " . . . .	33.0	32.7	
Rain gauge C . . .	12 ounces 1.059 inches		
Wind, force & direction.	14 <sup>e</sup> NE	12 <sup>e</sup> N	
Clouds, amount & kind.	10 Pm. fine rain	9 Pm. M7	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		34.6	35.0
" No. 3 .		33.7	34.3
" No. 4 .	32.7	34.7	34.4

APRIL, 11, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.912	29.754	At 8 $\frac{1}{2}$ A. M., Day 38.0 HA 36.3 No. 4 36.2
Thermometer attached.	53.0	62.5	
" external No. 2.	43.0	45.7	
" " No. 3.	+ 39.9	41.7	At 10 A. M.
" " No. 4.	42.4	41.5.2	Gauge A 49 $\frac{1}{2}$ inches On April 10 " 87 $\frac{3}{4}$ " In all 137 $\frac{1}{4}$ " 1.183 inches
" Maximum .	42.4		
" (Set) .	42.3		+ Inside of case of Casella
" Minimum .	27.8		12530 clamp, which lowers its reading.
" (Set) .	42.2		
" Solar max. .		114.5	
" (Set) .		47.2	
" Dry bulb . .	43.9	46.1	
" Wet " . . .	36.8	40.8	
Rain gauge C . . .	0 $\frac{1}{2}$ inches 0.044 inches		
Wind, force & direction.	9 $^{\circ}$ SW	15 $^{\circ}$ SW	
Clouds, amount & kind.	5 Pm R R	10 Pm raining	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		47.9	35.0
" No. 3 .		+ 45.0	34.1
" No. 4 .	31.5	47.5	34.3



APRIL, 12, 1874.

1874phae.proj..373.

	10 A. M.	4 P. M.	
Barometer . . . .	30.244	30.251	Height of
Thermometer attached.	51.4	<del>55.2</del> 56	Bottle and Water
" external No. 2.	24.8	35.0	15 $\frac{3}{4}$ ounces
" " No. 3.	23.6	34.0	Water 0 $\frac{3}{8}$ ounces
" " No. 4.	24.0	34.2	0.033 inches
" Maximum .	44.0		
" " (Set) .	28.6		Light Haze in
" Minimum .	19.9		Horizon.
" " (Set) .	23.9		
" Solar max. .		100.0	
" " (Set) .		<del>100.0</del>	75.0
" Dry bulb . .	24.6	35.2	
" Wet " . . .	19.4	23.7 <sup>+</sup>	+ Perhaps 28.7?
Rain gauge C . . .	15 $\frac{3}{4}$ x		ultrimum. 44
Wind, force & direction.	10 W NW	11 W. S. W.	
Clouds, amount & kind.	0	x	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		30.0	23.6
" No. 3 .		28.9	23.0
" No. 4 .	20.3	29.1	23.1

Zodiacal light  
8  $\frac{1}{2}$  to 8  $\frac{1}{2}$   
P.M.  
not in middle  
May; Pleiades  
about middle

APRIL, 13, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.510	30.448	At 8 A. M., Dry 29.0 Wet 27.4 No. 1 27.7
Thermometer attached.	46.4	62.0	
" external No. 2.	34.0	43.7	At 10 A. M., gauge A 5 times 0.043 inches
" " No. 3.	32.7	42.6	
" " No. 4.	33.4	43.0	
" Maximum .	33.6		
" " (Set) .	33.6		
" Minimum .	18.3		
" " (Set) .	33.1		Zodiacal light 8½ P. M.
" Solar max. .		112.5	
" " (Set) .		92.0	
" Dry bulb . .	34.8	44.0	
" Wet " . . .	30.0	32.5	
Rain gauge C . . .	0		
Wind, force & direction.	6 N	6 S W	
Clouds, amount & kind.	1 P Rs	0 Rs	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		42.0	34.2
" " No. 3 .		40.8	33.6
" " No. 4 .	23.8	41.2	33.0



APRIL, 14, 1874.

	10 A. M.	4 P. M.
Barometer . . . . .	30.248	30.116
Thermometer attached.	61.4	70.3
" external No. 2.	50.8	63.0
" " No. 3.	49.4	62.4
" " No. 4.	50.1	63.0
" Maximum .	50.0	
" " (Set) .	50.0	
" Minimum .	30.0	
" " (Set) .	50.0	
" Solar max. .		130.0
" " (Set) .		107.9
" Dry bulb . . .	51.8	63.8
" Wet " . . . .	41.7	50.6
Rain gauge C . . .	0	
Wind, force & direction.	13° SW	14° SW
Clouds, amount & kind.	6 PzRs	6 PzRs

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		63.3	44.7
" No. 3 .		62.2	43.7
" No. 4 .	35.5	63.3	44.1

APRIL, 15, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.892	29.726	
Thermometer attached.	70.7	72.6	
" external No. 2.	62.0	61.4	
" " No. 3.	61.2	60.4	
" " No. 4.	62.2	61.2	
" Maximum .	64.3		
" " (Set) .	60.0		
" Minimum .	48.2		
" " (Set) .	61.2		
" Solar max. .		120.0	
" " (Set) .		63.0	
" Dry bulb . . .	63.2	62.0	
" Wet " . . . .	55.5	55.6	
Rain gauge C . . .	0		
Wind, force & direction.	10 <sup>e</sup> SW	7 <sup>e</sup> SW	
Clouds, amount & kind.	10 Pm M	10 Pm Fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		64.4	56.0
" No. 3 .		64.0	55.1
" No. 4 .	51.3	65.0	55.6



APRIL, 16, 1874.

	10 A. M.	4 P. M.	
Barometer	29.978	30.068	At 10 A.M.
Thermometer attached.	61.9	66.7	gauge A
" external No. 2.	44.0	50.0	1 3/4 inches
" " No. 3.	43.4	49.3	0.015 inches
" " No. 4.	43.8	49.7	7.93546
" Maximum	67.6		0.24304
" (Set)	44.2		8.17850
" Minimum	41.7		
" (Set)	43.0		
" Solar max.		116.0	
" (Set)		96.5	
" Dry bulb	44.8	50.7	
" Wet	36.8	38.2	
Rain gauge C	0 1/4 inches 0.022 inches		
Wind, force & direction.	13 <sup>e</sup> W	10 <sup>e</sup> NW	
Clouds, amount & kind.	10 P	3 P	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		48.2	40.6
" No. 3		47.2	40.0
" No. 4	42.0	47.8	40.0

APRIL, 17, 1874.

	10 A. M.	4 P. M.
Barometer . . . .	30.316	30.200
Thermometer attached.	53.6	50.3
" external No. 2.	38.5	32.0
" " No. 3.	37.6	31.1
" " No. 4.	37.9	31.5
" Maximum .	49.8	
" " (Set) .	38.3	
" Minimum .	32.0	
" " (Set) .	37.5	
" Solar max. .		95.8
" " (Set) .		38.0
" Dry bulb . .	38.9	32.6
" Wet " . . .	31.6	30.4
Rain gauge C . . .	0	
Wind, force & direction.	7 <sup>e</sup> NE	5 <sup>e</sup> NE
Clouds, amount & kind.	10 Pm	10 Pm snowing

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		32.7	30.4
" No. 3 .		31.9	29.0
" No. 4 .	35.2	32.2	30.0



APRIL, 18, 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.365	30.424	At 10 A.M., snow measured in 10 places
Thermometer attached.	43.2	53.5	2 1/2 } 8.97881
" external No. 2.	37.7	43.8	1 1/2 } 0.58827
" " No. 3.	36.9	42.8	1 1/2 } 9.79770 9.56478
" " No. 4.	37.0	43.3	1 1/2 } 0.21748 9.58226
" Maximum .	38.5		2 } mean 1.65 inches
" " (Set) .	37.6		1 1/2 } 10 1/2 inches in
" Minimum .	25.7		1 1/2 } cylinder 1 7/8 inches
" " (Set) .	36.8		1 1/2 } in diameter
" Solar max. .		114.2	1 1/2 } weigh 3 1/8 ounces.
" " (Set) .		77.8	1 1/2 } Hence to every inch
" Dry bulb . .	38.3	44.2	of snow 0.232
" Wet " . . .	32.0	36.3	inches water; snow wet
Rain gauge C . . .	3 3/4 ounces 0.298 inches in snow measure		and melting.
Wind, force & direction.	5 N	2 E	Rainfall 0.382 inches preferable to result from gauge C
Clouds, amount & kind.	0	10 P. Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		41.9	29.8
" No. 3 .		40.9	28.9
" No. 4 .	27.7	41.3	28.9

At 4 P.M.  
gauge A  
46 ounces  
0.396 inches.

APRIL, 19, 1874.

	10 A. M.	4 P. M. 45	
Barometer . . . . .	30.290	30.211	A few drops quite not enough to cover bottom of bottle.
Thermometer attached.	42.5	58.9	
" external No. 2.	46.9	59.5	
" " No. 3.	45.1	58.6	
" " No. 4.	45.7	59.1	
" Maximum .	46.0		
" " (Set) .	44.1		
" Minimum .	30.4		
" " (Set) .	45.3		
" Solar max. .		125.0	
" " (Set) .		94.0	
" Dry bulb . .	44.9	60.2	
" Wet " . . .	39.5	47.2	
Rain gauge C . . .	x		
Wind, force & direction.	Y. V. 3	SW 1/4	
Clouds, amount & kind.	M. Lyn Com	5m Km Ro 2	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		56.4	47.6
" No. 3 .		58.7	46.7
" No. 4 .	35.0	56.3	47.0



APRIL, 20, 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.200	29.942	
Thermometer attached.	62.3	60.0	Gauge A
" external No. 2.	37.6	36.8	at 6 $\frac{3}{4}$ P.M.
" " No. 3.	36.6	36.0	68 ounces
" " No. 4.	36.8	36.2	
" Maximum .	58.9		
" " (Set) .	37.3		
" Minimum .	36.0		
" " (Set) .	36.3		
" Solar max. .		95.8	Lightning
" " (Set) .		38.0	in the
" Dry bulb . .	38.0	37.4	evening;
" Wet " . . . .	35.7	35.6	no thunder
Rain gauge C . . .	2 $\frac{3}{8}$ ounces 0.210 inches		
Wind, force & direction.	10 <sup>e</sup> NE	11 <sup>e</sup> NE	
Clouds, amount & kind.	10 P.m. raining	10 P.m. raining	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		36.6	35.8
" No. 3 .		36.0	35.1
" No. 4 .	39.0	36.4	35.6

APRIL, 21, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.580	29.666	Gauge A at 10 A.M.
Thermometer attached.	54.9	57.0	48 $\frac{3}{4}$ ounces
" external No. 2.	41.8	49.6	68 ounces yesterday
" " No. 3.	40.8	48.9	116 $\frac{3}{4}$ ounces in all
" " No. 4.	42.0	49.3	1.006 inches " "
" Maximum .	* 40.6		* Bulb wet
" " (Set) .	40.6		
" Minimum .	33.6		
" " (Set) .	40.9		
" Solar max. .		127.7	
" " (Set) .		67.8	
" Dry bulb . .	43.2	50.1	
" Wet " . . .	40.4	42.3	
Rain gauge C . . .	8 $\frac{1}{2}$ ounces 0.750 inches		
Wind, force & direction.	3 <sup>2</sup> SW	14 <sup>2</sup> SW	
Clouds, amount & kind.	10 Pm	9 Pm 7m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		52.0	41.8
" No. 3 .		51.0	41.0
" No. 4 .	34.3	51.6	41.3



APRIL, 22, 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.012	29.990	
Thermometer attached.	56.2	67.2	
" external No. 2.	46.2	51.0	
" " No. 3.	45.0	50.3	
" " No. 4.	45.4	50.8	
" Maximum .	52.8		
" " (Set) .	45.2		
" Minimum .	32.0		
" " (Set) .	45.1		
" Solar max. .		123.5	
" " (Set) .		100.8	
" Dry bulb . .	46.8	51.8	
" Wet " . . .	37.1	39.4	
Rain gauge C . . .	0		
Wind, force & direction.	4 <sup>th</sup> SW	7 <sup>th</sup> W	
Clouds, amount & kind.	9 Pm 7m	5 M 7m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		49.5	42.7
" No. 3 .		48.8	42.0
" No. 4 .	36.0	49.3	41.8

APRIL, 23, 1874.

	10 A. M.	4 P. M.
Barometer . . . . .	30.030	29.914
Thermometer attached.	60.4	67.2
" external No. 2.	38.8	37.1
" " No. 3.	37.8	36.7
" " No. 4.	38.0	36.7
" Maximum .	51.2	
" " (Set) .	38.8	
" Minimum .	33.2	
" " (Set) .	37.8	
" Solar max. .		100.8
" " (Set) .		39.0
" Dry bulb . .	39.1	37.6
" Wet " . . .	36.0	35.4
Rain gauge C . . .	0.022 inches	
Wind, force & direction.	5 <sup>th</sup> NE	10 <sup>th</sup> E
Clouds, amount & kind.	10 Pm	10 Pm rain & snow

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		40.1	34.2
" No. 3 .		39.3	33.8
" No. 4 .	39.6	39.6	33.9

At 8<sup>25</sup> A.M.  
Dry 39.8 Wet 38.5  
No. 4 38.8



APRIL, 24, 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.110	30.108	Gauge A at 10 A. M. 45 $\frac{3}{8}$ inches 0.391 inches
Thermometer attached.	61.2	69.2	
" external No. 2.	41.2	51.0	
" " No. 3.	40.4	50.5	
" " No. 4.	40.9	51.0	
" Maximum .	40.6		
" " (Set) .	40.6		
" Minimum .	32.8		
" " (Set) .	40.3		
" Solar max. .		127.0	
" " (Set) .		82.4	
" Dry bulb .	42.0	51.8	
" Wet " .	38.2	41.1	
Rain gauge C . . .	4 mm 0.353 inches		
Wind, force & direction.	2 <sup>e</sup> NW	6 <sup>e</sup> SW	
Clouds, amount & kind.	5 M fm Rs	8 M fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		50.0	44.0
" No. 3 .		49.6	43.0
" No. 4 .	34.5	49.8	43.4

APRIL, 25, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.280	30.120	At 8 <sup>5</sup> A.M. Dry 38.8 Wet 37.3 No. 4 37.7
Thermometer attached.	60.2	60.7	
" external No. 2.	38.0	33.0	
" " No. 3.	37.1	32.2	
" " No. 4.	37.4	32.4	
" Maximum .	50.8		
" " (Set) .	38.0		
" Minimum .	34.7		
" " (Set) .	37.1		
" Solar max. .		82.8	
" " (Set) .		35.9	
" Dry bulb . .	38.5	33.5	
" Wet " . . .	32.1	32.0	
Rain gauge C . . .	0		
Wind, force & direction.	8 <sup>th</sup> E	12 <sup>th</sup> NE	
Clouds, amount & kind.	10 Pm	10 A. snowing	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		36.9	33.0
" No. 3 .		36.2	32.1
" No. 4 .	36.6	36.0	32.4

Snow after  
2 P.M.  
still snowing  
at 9 P.M.



APRIL, 26, 1874.

	10 A. M.	4 P. M.
Barometer . . . .	29.180	29.391
Thermometer attached.	59.7	56.8
" external No. 2.	38.1	38.8
" " No. 3.	34.2	37.8
" " No. 4.	34.8	38.2
" Maximum .	38.5	
" " (Set) .	35.0	
" Minimum .	34.1	
" " (Set) .	34.1	
" Solar max. .		90.6
" " (Set) .		63.3
" Dry bulb . . .	35.9	39.4
" Wet " . . . .	33.7	34.7
Rain gauge C . . .	11 $\frac{5}{8}$ ounces 10.26 inches	
Wind, force & direction.	20° N	20° NW
Clouds, amount & kind.	10 Pm raining	10 Pm fm

At 10  $\frac{1}{2}$  A.M.  
Drew from gauge A  
105  $\frac{1}{8}$  ounces

At 10 A.M. snow  
measured in 10 places.  
11  $\frac{1}{2}$  inches in cylinder  
1  $\frac{1}{8}$  inches in diameter  
weigh 7  $\frac{3}{4}$  ounces;  
hence to 1 inch diameter  
0.423 inches water  
mean 3.075 inches  
3 } Rainfall 1.301 "  
3 } preferable to  
3 } result by gauge C  
4 }

Snow wet with rain

Snow squalls  
5 to 7 P.M.

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		38.0	36.2
" No. 3 .		37.1	35.4
" No. 4 .	35.3	37.6	35.6

APRIL, 27, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.909	29.952	At 10 A.M.,
Thermometer attached.	61.0	66.4	Gauge A
" external No. 2.	40.9	48.8	98 omms
" " No. 3.	39.9	47.5	10 5 $\frac{1}{8}$ " yesterday
" " No. 4.	40.6	48.1	19 3 $\frac{1}{8}$ " in all
" Maximum .	40.2		1.665 inches " "
" (Set) ..	40.4		
" Minimum .	32.1		
" (Set) ..	39.9		
" Solar max. .		116.0	
" (Set) .		97.3	
" Dry bulb . .	41.6	49.3	
" Wet " . . . .	34.5	38.7	
Rain gauge C . . . .	1 $\frac{1}{4}$ omms 0.110 inches		
Wind, force & direction.	16 $^{\circ}$ N	15 $^{\circ}$ NW	
Clouds, amount & kind.	9 Pm M 7m Rs	0	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		47.0	40.0
" No. 3 .		45.8	39.0
" No. 4 .	37.0	46.5	39.4



APRIL, 28, 1874.

	10 A. M.	4 P. M.	At 8 A.M.
Barometer . . . . .	30.058	30.040	Dry 40.4 Wet 39.0
Thermometer attached.	56.4	64.1	No. 4 39.0
" external No. 2.	44.6	45.8	
" " No. 3.	43.8	45.0	
" " No. 4.	44.6	45.5	
" Maximum .	48.3		
" " (Set) .	44.0		
" Minimum .	31.0		
" " (Set) .	43.6		
" Solar max. .		Carried off	
" " (Set) .			
" Dry bulb . .	45.0	46.2	
" Wet " . . . .	36.3	37.8	
Rain gauge - C . . . .	0		
Wind, force & direction.	6 <sup>th</sup> NW	6 <sup>th</sup> S E	
Clouds, amount & kind.	10 P <sup>th</sup> thin	10 P <sup>th</sup>	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		47.5	
" No. 3 .		46.9	
" No. 4 .	34.8	47.8	

APRIL, 29, 1874.

	10 A. M.	4 P. M.	At 10 A. M., Gauge A 82 vinnus 0.707 inches
Barometer . . . .	29.671	29.521	
Thermometer attached.	48.0	47.7	
" external No. 2.	36.0	36.4	
" " No. 3.	35.4	35.8	
" " No. 4.	35.6	36.2	
" Maximum .	48.4		
" (Set) .	36.0		
" Minimum .	32.7		
" (Set) .	35.2		
" Solar max. .			
" (Set) .			
" Dry bulb . .	37.0	37.2	
" Wet " . . .	35.3	35.6	
Rain gauge C . . .	82 vinnus 0.772 inches		
Wind, force & direction.	12° NE	6° NW	
Clouds, amount & kind.	10 Pm raining	10 Pm. fine rain	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		36.6	35.7
" No. 3 .		35.9	35.0
" No. 4 .	34.0	36.2	35.3



APRIL, 30, 1874.

	10 A. M.	4 P. M.	At 8 $\frac{1}{2}$ A. M.
Barometer . . . .	29.492	29.508	Dry 36.8 Wet 35.2
Thermometer attached.	41.0	44.6	No. 4 35.5
" external No. 2.	38.1	41.8	At 10 A. M.
" " No. 3.	37.5	40.8	Gauge A
" " No. 4.	37.8	41.3	29 $\frac{1}{2}$ ounces
" Maximum .	37.7		0.254 inches
" " (Set) .	37.9		
" Minimum .	31.5		
" " (Set) .	37.2		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	39.0	42.3	
" Wet " . . .	32.0	34.0	
Rain gauge C . . .	2 $\frac{1}{2}$ ounces 0.221 inches		
Wind, force & direction.	30° W	25° SW	
Clouds, amount & kind.	10 P. Pm M. Fm	8 P. Pm M. Fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		40.1	39.2
" No. 3 .		39.6	38.3
" No. 4 .	34.2	39.9	38.4

MAY, 1, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.416	29.446	At 9½ A. M., Dry 46.8 Wet 45.6 No. 4 45.6
Thermometer attached.	43.0	50.4	
" external No. 2.	47.6	49.1	
" " No. 3.	46.1	48.8	Wire fence put round Gauge C to keep out dogs.
" " No. 4.	46.8	49.0	
" Maximum .	47.0		
" " (Set) .	47.0		
" Minimum .	34.2		
" " (Set) .	46.7		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	48.3	49.9	
" Wet " . . .	38.9	39.0	
Rain gauge C . . .	0		
Wind, force & direction.	10° W	18° SW	
Clouds, amount & kind.	1 Pz Rs M 7m	9 Pz M 7m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		48.0	
" No. 3 .		47.7	
" No. 4 .	39.3	48.0	



MAY, 2, 1874.

1874phae.proj..373.

	10 A. M.	4 P. M.	At 8 <sup>1</sup> / <sub>2</sub> A. M. Dry 39.1 Wet 37.9 No. 4 38.2
Barometer . . . .	29.591	29.692	
Thermometer attached.	46.3	58.7	
" external No. 2.	40.9	43.1	
" " No. 3.	40.1	42.8	
" " No. 4.	40.8	43.0	
" Maximum .	49.0		
" " (Set) .	40.6		
" Minimum .	37.5		
" " (Set) .	40.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	41.4	43.6	
" Wet " . . . .	35.0	34.4	
Rain gauge C . . .	0		
Wind, force & direction.	4 <sup>th</sup> N	9 <sup>th</sup> NW	
Clouds, amount & kind.	10 Pm fm	9 Pm N fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		43.6	38.0
" No. 3 .		42.9	37.1
" No. 4 .	38.0	43.3	37.3

MAY, 3, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.983	30.077	a little hazy in
Thermometer attached.	53.5	73.4	horizon.
" external No. 2.	53.2	55.9	
" " No. 3.	52.3	55.0	
" " No. 4.	53.9	55.7	
" Maximum .	52.9		
" " (Set) .	52.0		
" Minimum .	35.2		
" " (Set) .	52.4		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	54.0	56.4.	
" Wet " . . .	42.7	43.4	
Rain gauge C . . .	0		
Wind, force & direction.	NE. 3	2 SW	
Clouds, amount & kind.	1 Pm	+	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		57.0	46.9
" No. 3 .		56.2	46.0
" No. 4 .	43.7	56.7	46.3



MAY, 4, 1874.


	10 A. M.	4 P. M.	
Barometer . . . .	30.080	29.959	At 8 A. M. Dry 53.5 Wet 51.9
Thermometer attached.	66.3	72.9	No. 4 57.6
" external No. 2.	61.1	64.7	At 9 $\frac{1}{2}$ A. M.
" " No. 3.	60.1	64.0	Dry 60.6 Wet 59.2
" " No. 4.	61.0	64.8	No. 4 59.3
" Maximum .	60.8		
" " (Set) .	59.8		
" Minimum .	37.9		
" " (Set) .	60.5		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	62.5	65.5	
" " Wet " . . .	49.1	49.4	
Rain gauge C . . .	0		
Wind, force & direction.	0° SW	8° W	
Clouds, amount & kind.	9 P R very thin	10 P M	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		65.3	63.6
" No. 3 .		64.8	53.0
" No. 4 .	45.3	65.6	53.1

MAY, 5, 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.779	29.664	
Thermometer attached.	63.8	66.4	
" external No. 2.	51.7	47.0	
" " No. 3.	51.0	46.1	
" " No. 4.	51.6	46.5	
" Maximum .	65.4		
" " (Set) .	51.1		
" Minimum .	43.2		
" " (Set) .	50.9		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	52.0	47.6	
" Wet " . . .	41.0	37.8	
Rain gauge C . . .	0		
Wind, force & direction.	6 <sup>2</sup> N	6 <sup>2</sup> NE	
Clouds, amount & kind.	10 Pz	10 Pm Pz	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		46.9	42.1
" No. 3 .		46.0	41.5
" No. 4 .	45.3	46.2	41.4



MAY, 6, 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.778	29.752	
Thermometer attached.	55.0	66.0	
" external No. 2.	54.7	56.9	
" " No. 3.	53.9	56.1	
" " No. 4.	54.6	56.5	
" Maximum .	54.8		
" " (Set) .	54.3		
" Minimum .	36.0		
" " (Set) .	53.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	55.8	57.5	
" Wet " . . . .	42.8	43.3	
Rain gauge C . . .	0		
Wind, force & direction.	4 <sup>th</sup> SE	9 <sup>th</sup> SE	
Clouds, amount & kind.	3 haze Rs	10 Pm 7m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		57.7	47.9
" No. 3 .		56.5	47.0
" No. 4 .	42.2	57.4	47.3

MAY, 7, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.980	29.992	At 10 A.M., gauge A
Thermometer attached.	58.8	62.8	12 $\frac{1}{4}$ inches
" external No. 2.	45.4	45.9	0.106 inches
" " No. 3.	44.5	44.9	
" " No. 4.	45.1	45.2	
" Maximum .	57.7		
" " (Set) .	45.4		
" Minimum .	35.0		
" " (Set) .	44.6		
" Solar max. .			
" (Set) .			
" Dry bulb . .	46.5	46.2	
" Wet " . . . .	38.8	37.8	
Rain gauge C . . .	1 $\frac{1}{4}$ inches 0.110 inches		
Wind, force & direction.	5 $^{\circ}$ NW	4 $^{\circ}$ NE	
Clouds, amount & kind.	5 M fm	8 Pm M fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		46.8	42.8
" No. 3 .		45.9	41.9
" No. 4 .	36.2	46.0	42.0



MAY, 8, 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.969	29.921	
Thermometer attached.	53.0	65.2	
" external No. 2.	52.8	56.2	
" " No. 3.	51.4	55.2	
" " No. 4.	52.4	55.9	
" Maximum .	52.1		
" " (Set) .	52.0		
" Minimum .	34.0		
" " (Set) .	51.6		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	53.7	57.1	
" Wet " . . . .	44.0	48.0	
Rain gauge C . . .	0		
Wind, force & direction.	6 <sup>th</sup> SW	3 <sup>rd</sup> SW	
Clouds, amount & kind.	10 Pm M Fm	9 Pm M Fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		54.0	47.0
" No. 3 .		52.7	46.2
" No. 4 .	42.4	53.9	46.6

MAY, 9, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.016	29.749	yu
Thermometer attached.	56.9	62.5	
" external No. 2.	52.1	63.8	
" " No. 3.	51.2	62.9	
" " No. 4.	52.1	63.9	
" Maximum .	56.0		
" " (Set) .	51.5		
" Minimum .	40.0		
" " (Set) .	51.2		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	53.2	64.7	
" Wet " . . .	46.0	52.4	
Rain gauge C . . .	0		
Wind, force & direction.	1 <sup>st</sup> S	10 <sup>th</sup> S	
Clouds, amount & kind.	10 Pm	10 Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		56.7	63.0
" No. 3 .		55.3	64.0
" No. 4 .	46.2	56.4	43.3



MAY, 10, 1874.

	10 A. M.	4 P. M.
Barometer . . . .	29.949	30.029
Thermometer attached.	70.1	70.1
" external No. 2.	72.0 <del>72.2</del>	50.3
" " No. 3.	71.2	49.6
" " No. 4.	72.6	49.9
" Maximum .		
" " (Set) .		
" Minimum .	50.9	
" " (Set) .	* 66.3	
" Solar max. .		
" " (Set) .		
" Dry bulb . . .	* 65.0	52.9
" Wet " . . . .	49.7	47.2
Rain gauge C . . .	0	
Wind, force & direction.	1 N E	1 N E
Clouds, amount & kind.	10 PM	9 PM

\* Wind changed from S. or W. to E. about 10 A. M. and temperature fell quickly. Probably minimum and dry bulb were read several minutes after No. 2, 3, & 4.

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .			45.0
" No. 3 .			44.0
" No. 4 .	68.7		44.5

MAY, 11, 1874.

	10 A. M.	4 P. M.
Barometer . . . . .	30.400	30.477
Thermometer attached.	59.0	62.1
" external No. 2.	46.7 <del>50.8</del>	50.2
" " No. 3.	45.5 <del>49.8</del>	49.7
" " No. 4.	46.2	49.7
" Maximum .	76.2	
" " (Set) .	46.8	
" Minimum .	42.2	
" " (Set) .	45.8	
" Solar max. .		
" " (Set) .		
" Dry bulb . . .	47.5	50.7
" Wet " . . . .	41.7	40.8
Rain gauge C . . .	0	
Wind, force & direction.	14 <sup>2</sup> NE	7 <sup>e</sup> E
Clouds, amount & kind.	10 Pm <sup>M</sup> 7m	0

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		49.0	42.0
" No. 3 .		48.0	41.5
" No. 4 .	44.0	48.3	41.3



MAY, 12, 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.465	30.327	
Thermometer attached.	57.9	63.0	
" external No. 2.	56.8	63.9	
" " No. 3.	55.4	63.3	
" " No. 4.	56.3	64.0	
" Maximum .	56.2		
" " (Set) .	55.8		
" Minimum .	33.4		
" " (Set) .	56.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	57.8	64.8	
" Wct " . . . .	44.8	48.2	
Rain gauge C . . .	0		
Wind, force & direction.	5° SW	10° SW	
Clouds, amount & kind.	0 Rs haze	0 haze	
	7 A. M.	4 P. M. $2\frac{1}{4}$	9 P. M.
Thermometer No. 2 .		66.1	47.0
" No. 3 .		65.2	46.2
" No. 4 .	40.3	66.1	46.6

MAY, 13, 1874: 5:21 P.M.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.066	29.988	
Thermometer attached.	61.9	71.9	
" external No. 2.	67.4	78.1	
" " No. 3.	66.8	77.1	
" " No. 4.	68.0	78.5	
" Maximum .	67.2		
" " (Set) .	66.0		
" Minimum .	42.8		
" " (Set) .	66.9		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	68.5	78.9	
" Wet " . . .	56.6	63.0	
Rain gauge C . . .	0		
Wind, force & direction.	9 <sup>th</sup> S	5 <sup>th</sup> S	
Clouds, amount & kind.	2 Rs haze	7 Rs haze 7m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		77.9	67.1
" No. 3 .		76.8	66.6
" No. 4 .	51.8	78.1	67.2



MAY, 14, 1874.

1874phae.proj..373.

	10 A. M.	4 P. M.	
Barometer . . . .	29.989	30.000	
Thermometer attached.	68.4	72.4	
" external No. 2.	76.0	78.0	
" " No. 3.	74.6	77.1	
" " No. 4.	76.0	78.1	
" Maximum .	79.4		
" " (Set) .	74.1		
" Minimum .	56.2		
" " (Set) .	75.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	77.0	78.7	
" Wet " . . . .	64.0	59.0	
Rain gauge C . . .	0		
Wind, force & direction.	4 <sup>th</sup> SW	8 <sup>th</sup> NW	
Clouds, amount & kind.	2 M Rs haze	0 M 7m haze	
	7 A. M.	2 <sup>30</sup> P. M.	9 P. M.
Thermometer No. 2 .		80.0	63.3
" No. 3 .		78.9	62.9
" No. 4 .	63.5	80.0	63.3

MAY. 15, 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.260	30.192	
Thermometer attached.	61.1	65.8	
" external No. 2.	57.8	58.1	
" " No. 3.	57.1	57.2	
" " No. 4.	57.5	57.7	
" Maximum .	79.4		
" " (Set) .	57.9		
" Minimum .	45.6		
" " (Set) .	57.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	58.9	58.8	
" Wet " . . . .	46.1	47.9	
Rain gauge. C . . .	0		
Wind, force & direction.	7 <sup>e</sup> E	9 <sup>e</sup> E	
Clouds, amount & kind.	0 Rs haze	2 Rs haze	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		57.6	53.3
" No. 3 .		56.9	52.7
" No. 4 .	53.8	57.1	53.7



MAY, 16, 1874.

1874phae.proj..373.

	10 A. M.	4 P. M.	
Barometer . . . .	29.891	29.727	At 10 AM -
Thermometer attached.	56.0	56.0	Gauge A
" external No. 2.	46.8	50.2	75 ounces
" " No. 3.	46.0	49.8	0.646 inches
" " No. 4.	46.4	50.2	
" Maximum .	59.0		
" " (Set) .	46.8		
" Minimum .	43.8		
" " (Set) .	46.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	47.3	51.4	
" Wet " . . . .	45.9	49.4	
Rain gauge C . . .	7 1/2 ounces 0.662 inches		
Wind, force & direction.	6 <sup>e</sup> NE	6 <sup>e</sup> N	
Clouds, amount & kind.	10 Pm. raining	10 Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		50.7	49.0
" No. 3 .		50.0	48.3
" No. 4 .	44.0	50.5	49.0

MAY, 17, 1874

	10 A. M.	4 P. M.	
Barometer . . . . .	29.816	29.811	
Thermometer attached.	55.3	66.5	
" external No. 2.	60.1	71.0	
" " No. 3.	59.6	70.0	
" " No. 4.	60.4	70.6	
" Maximum .	58.9		
" " (Set) .	58.1		
" Minimum .	46.0		
" " (Set) .	59.4		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	61.3	71.9	
" Wet " . . . .	52.6	58.7	
Rain gauge C . . .	+ 20.02		* Weight of water and bottle 20 mmus Hence water $4\frac{5}{8}$ " 0.408 inches
Wind, force & direction.	1 W	0	
Clouds, amount & kind.	Pr Rs Pms	2 Rm M	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		70.0	60.9
" No. 3 .		68.9	60.0
" No. 4 .	52.0	69.5	60.1



MAY, 18 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.831	29.824	
Thermometer attached.	60.2	64.6	
" external No. 2.	* 68.8	62.8	* No obvious reason for this low reading noticed at this time, although looked for.
" " No. 3.	68.6	61.9	
" " No. 4.	69.3	63.1	
" Maximum .	70.2		
" " (Set) .	67.9		
" Minimum .	47.5		
" " (Set) .	68.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	69.6	63.8	
" Wet " . . .	58.8	59.0	
Rain gauge C . . .	0		
Wind, force & direction.	0 S	0 calm	
Clouds, amount & kind.	6 M Fm	10 Pm raining	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		64.1	54.7
" No. 3 .		63.1	53.8
" No. 4 .	56.2	64.3	54.2

\* No obvious reason for this low reading noticed at this time, although looked for.

At 11 $\frac{1}{2}$  A.M.  
gauge A 14 $\frac{1}{2}$   
inches  
0.381 inches

Some rain  
after 2 P.M.

MAY, 19 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.825	29.862	At 10 A. M., gauge A
Thermometer attached.	58.2	65.4	23 $\frac{3}{4}$ ounces
" external No. 2.	60.5	61.6	0.205 inches
" " No. 3.	59.6	61.0	
" " No. 4.	60.4	61.8	
" Maximum .	71.8		
" " (Set) .	60.0		
" Minimum .	48.2		
" " (Set) .	59.9		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	62.0	62.2	
" Wet " . . .	51.9	51.0	
Rain gauge C . . .	2 $\frac{3}{8}$ ounces 0.210 inches		
Wind, force & direction.	9 <sup>th</sup> S	6 <sup>th</sup> S	
Clouds, amount & kind.	4 M Fm R	7 M Fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		62.8	53.3
" No. 3 .		62.0	52.7
" No. 4 .	51.5	62.9	52.8



MAY, 20, 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.999	29.948	
Thermometer attached.	56.4	64.8	
" external No. 2.	64.6	66.0	
" " No. 3.	63.2	65.2	
" " No. 4.	64.5	66.2	
" Maximum .	64.1		
" " (Set) .	63.7		
" Minimum .	42.2		
" " (Set) .	63.8		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	65.7	67.1	
" Wet " . . .	53.4	53.9	
Rain gauge C . . .	0		
Wind, force & direction.	4 <sup>th</sup> S	7 <sup>th</sup> S E	
Clouds, amount & kind.	1 Rs haze	10 Bm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		62.1	58.0
" No. 3 .		61.9	57.5
" No. 4 .	49.0	62.1	58.0

MAY, 21 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.856	29.720	At 9 P.M. rain stopped.
Thermometer attached.	57.8	57.1	
" external No. 2.	52.8	50.9	
" " No. 3.	52.0	50.1	
" " No. 4.	52.7	50.3	
" Maximum .	66.2		
" " (Set) .	52.2		
" Minimum .	50.8		
" " (Set) .	52.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	53.5	51.1	
" Wet " . . . .	50.9	49.6	
Rain gauge C . . .	2 times 0.177 inches		
Wind, force & direction.	7 <sup>th</sup> S	8 <sup>th</sup> E	
Clouds, amount & kind.	10 P.m. raining	10 P.m. raining	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		53.9	48.2
" No. 3 .		53.1	47.4
" No. 4 .	51.7	53.9	47.9



MAY, 22 1874.

	10 A. M.	4 P. M.	At 10 $\frac{3}{4}$ A. M.
Barometer . . . .	29.730	29.806	Gauge A
Thermometer attached.	54.0	58.6	148 $\frac{1}{4}$ ounces
" external No. 2.	56.0	58.6	1.278 inches
" " No. 3.	55.5	57.8	
" " No. 4.	56.4	58.4	
" Maximum .	55.8		Some rain
" " (Set) .	55.0		about 2 P.M.
" Minimum .	44.5		
" " (Set) .	55.2		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	57.1	59.5	
" Wet " . . . .	50.2	50.0	
Rain gauge C . . .	12 $\frac{3}{4}$ ounces 1.125 inches		
Wind, force & direction.	8 <sup>1</sup> S W	8 <sup>0</sup> N W	
Clouds, amount & kind.	10 Pm Fm M	10 Pm Fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		56.7	52.7
" No. 3 .		55.7	51.6
" No. 4 .	47.0	56.4	52.0

MAY, 23 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.020	29.986	At 10 A.M., Gauge A
Thermometer attached.	53.8	63.4	4 $\frac{1}{4}$ ounces
" " external No. 2.	59.9	68.0	0.036 inches
" " No. 3.	59.1	67.5	
" " No. 4.	59.8	68.4	
" Maximum .	59.8		
" " (Set) .	59.0		
" Minimum .	43.1		
" " (Set) .	59.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	60.7	69.0	
" Wet " . . .	46.8	52.8	
Rain gauge C . . .	0 $\frac{1}{2}$ ounces 0.044 inches		
Wind, force & direction.	15 <sup>th</sup> NW	7 <sup>th</sup> SW	
Clouds, amount & kind.	1 R Ra	10 P. M. 7 m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		67.6	66.1
" No. 3 .		68.6	59.5
" No. 4 .	51.2	67.5	59.9



MAY, 24 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.04.0	30.00.6	
Thermometer attached.	60.6	66.6	
" extern. I No. 2.	66.2	70.3	
" " No. 3.	65.9	70.1	
" " No. 4.	67.4	71.3	
" Maximum .	67.8		
" " (Set) .	63.8		
" Minimum .	49.3		
" " (Set) .	65.6		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	67.0	71.1	
" Wet " . . . .	55.1	58.8	
Rain gauge - C . .	0		
Wind, force & direction.	0	0	
Clouds, amount & kind.	90 Pm	90 Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		71.6	60.0
" No. 3 .		70.9	59.0
" No. 4 .	54.5	72.6	60.6

MAY, 25 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.900	29.673	Gauge A at 10 A. M.
Thermometer attached.	62.0	62.8	1½ ounces
" external No. 2.	61.0	58.7	0.013 inches
" " No. 3.	60.2	58.0	
" " No. 4.	61.2	58.6	
" Maximum .	71.0		
" " (Set) .	60.2		Afternoon rainy
" Minimum .	55.6		with some
" " (Set) .	60.2		thunder & lightning
" Solar man.			
" " (Set) .			
" Dry bulb . . .	62.2	59.6	
" Wet " . . . .	56.8	58.0	
Rain gauge C . . .	0½ ounces 0.011 inches		
Wind, force & direction.	10° S	6° S E	
Clouds, amount & kind.	10 Pm Fm	10 Pm raining	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		60.0	60.2
" No. 3 .		59.1	59.8
" No. 4 .	56.8	60.0	60.4



MAY, 26 1874.

	10 A. M.	4 P. M.	
Barometer . . .	29.654	29.727	At 9 $\frac{1}{2}$ A.M., Dry 69.9 Wet 68.8 No. 4 68.8
Thermometer attached.	63.2	71.0	
" external No. 2.	69.0	66.1	At 10 A.M.
" " No. 3.	68.2	65.9	Gauge A
" " No. 4.	69.2	66.7	92 $\frac{5}{8}$ inches
" Maximum .	67.9		0.798 inches
" " (Set) .	66.7		
" Minimum .	53.8		
" " (Set) .	68.3		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	70.0	67.0	
" Wet " . . .	59.1	56.0	
Rain gauge C . . .	8 $\frac{1}{2}$ inches 0.750 inches		
Wind, force & direction.	8 $\frac{1}{2}$ S W	15 $\frac{1}{2}$ N W	
Clouds, amount & kind.	2 M Fr R	7 Pm M Fr	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		69.1	54.8
" No. 3 .		68.4	54.1
" No. 4 .	60.5	69.4	54.7

MAY, 27 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.042	30.023	At 7 <sup>5</sup> / <sub>8</sub> A. M., Dry 58.4 Wet 57.3 No. 4 58.0
Thermometer attached.	61.3	68.8	
" external No. 2.	64.4	65.6	
" " No. 3.	63.5	65.0	
" " No. 4.	64.8	65.5	
" Maximum .	71.7		
" " (Set) .	64.0		
" Minimum .	48.5		
" " (Set) .	63.9		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	65.4	66.1	
" Wet " . . . .	55.0	55.0	
Rain gauge C . . .	0		
Wind, force & direction.	3 <sup>e</sup> N	5 <sup>e</sup> SE	
Clouds, amount & kind.	8 Pm M fm	1 Pm fm haze	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		70.0	58.0
" No. 3 .		68.9	57.4
" No. 4 .	54.6	70.2	58.0



MAY, 28 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.092	30.054	
Thermometer attached.	63.8	74.8	
" external No. 2.	73.4	75.1	
" " No. 3.	72.2	75.1	
" " No. 4.	73.7	76.0	
" Maximum .	73.0		
" " (Set) .	71.6		
" Minimum .	50.6		
" " (Set) .	72.8		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	74.9	75.8	
" Wet " . . .	65.1	63.0	
Rain gauge C . . .	0		
Wind, force & direction.	2 <sup>e</sup> SW	10 <sup>e</sup> S	
Clouds, amount & kind.	1 Rs haze	2 Pm Fm Rm Ro	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		75.0	62.6
" No. 3 .		74.0	61.4
" No. 4 .	58.5	75.0	62.3

MAY, 29 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.467	30.186	
Thermometer attached.	66.3	72.1	
" external No. 2.	68.3	65.9	
" " No. 3.	67.4	64.7	
" " No. 4.	68.6	65.7	
" Maximum .	76.2		
" " (Set) .	68.2		
" Minimum .	55.3		
" " (Set) .	67.8		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	69.2	66.9	
" Wet " . . .	60.5	59.4	
Rain gauge C . . .	0		
Wind, force & direction.	3 <sup>d</sup> N.	8 <sup>e</sup> E	
Clouds, amount & kind.	0 Rs haze	0 haze	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		69.1	56.4
" No. 3 .		67.9	55.6
" No. 4 .	64.3	69.1	56.3



MAY, 30 1874

	10 A. M.	4 P. M.	
Barometer . . . .	30.151	30.090	
Thermometer attached.	63.6	69.2	
" external No. 2.	70.3	64.3	
" " No. 3.	69.8	63.8	
" " No. 4.	70.3	64.0	
" Maximum .	70.5		
" " (Set) .	70.0		
" Minimum .	53.0		
" " (Set) .	70.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	71.5	64.7	
" Wet " . . . .	63.4	59.2	
Rain gauge C . . .	0		
Wind, force & direction.	5 <sup>e</sup> E	8 <sup>e</sup> E	
Clouds, amount & kind.	2 Rs haze	3 M fm haze	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		68.7	62.0
" No. 3 .		67.2	61.7
" No. 4 .	58.8	68.4	62.6

MAY, 31 1874.

	10 A. M.	4 P. M.
Barometer . . . .	29.800	29.674
Thermometer attached.	67.9	76.7
" external No. 2.	76.1	81.9
" " No. 3.	75.2	80.9
" " No. 4.	76.8	82.4
" Maximum .	76.0	
" " (Set) .	75.7	
" Minimum .	59.0	
" " (Set) .	75.4	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	77.3	82.4
" Wet " . . .	68.2	70.5
Rain gauge C . . .	0	
Wind, force & direction.	SE-3	6 W
Clouds, amount & kind.	3hr R 4	9 Pm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		83.8	70.0
" No. 3 .		83.0	69.1
" No. 4 .	67.7	84.3	70.0



JUNE, 1 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.567	29.662	
Thermometer attached.	67.7	66.3	* N.E. wind.
" external No. 2.	+ 58.8	59.0	Suddenly came up
" " No. 3.	+ 61.1	58.1	at 10 A.M. and
" " No. 4.	+ 59.9	58.7	temperature fell
" Maximum .	84.2		off; hence the
" " (Set) .	* 58.8		unprotected bulbs
" Minimum .	60.0		read low
" " (Set) .	* 60.0		Some <del>to</del> rain previous
" Solar max. .			night. Heavy
" " (Set) .			shower after 10
" Dry bulb . .	* 59.7	59.9	A.M.
" Wet " . . .	55.4	54.0	
Rain gauge C . . .	4 1/2 ounces 0.397 inches		* Cause of low
Wind, force & direction.	14 <sup>e</sup> NE	0 <sup>e</sup> E	reading may be
Clouds, amount & kind.	10 Pm fm	9 Pm fm	dampness in
			scale of instrument
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		* 60.2	55.5
" No. 3 .		60.8	55.0
" No. 4 .	60.8	61.8	55.4

JUNE, 2 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.117	30.138	At 10 $\frac{1}{4}$ A.M.
Thermometer attached.	58.0	64.0	Gauge A
" external No. 2.	55.9	64.0	86 $\frac{3}{4}$ inches
" " No. 3.	55.1	63.0	0.748 inches
" " No. 4.	56.0	64.2	
" Maximum .	60.0		
" " (Set) .	54.7		
" Minimum .	46.7		
" " (Set) .	55.2		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	56.5	64.9	
" Wet " . . . .	47.2	53.3	
Rain gauge C . . .	4 $\frac{1}{4}$ inches 0.375 inches		
Wind, force & direction.	3 <sup>e</sup> NE	3 <sup>e</sup> E	
Clouds, amount & kind.	10 Pm M Fm	2 M Fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		62.5	53.8
" No. 3 .		61.8	52.5
" No. 4 .	50.2	62.8	53.0



JUNE, 3 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.266	30.264	
Thermometer attached.	59.6	65.6	
" external No. 2.	66.3	64.0	
" " No. 3.	65.4	63.7	
" " No. 4.	66.7	64.6	
" Maximum .	66.1		
" " (Set) .	65.8		
" Minimum .	48.1		
" " (Set) .	65.9		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	67.4	64.5	
" Wet " . . . .	56.0	51.0	
Rain gauge C . . .	0		
Wind, force & direction.	5 <sup>e</sup> SW	10 <sup>e</sup> S	
Clouds, amount & kind.	3 Rs Fm	10 Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		68.9	54.0
" No. 3 .		68.2	53.4
" No. 4 .	55.8	69.6	54.0

JUNE, 4 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.118	30.076	
Thermometer attached.	59.9	63.0	
" external No. 2.	61.0	60.9	
" " No. 3.	61.1	60.2	
" " No. 4.	62.4	60.5	
" Maximum .	70.6		
" (Set) .	60.4		
" Minimum .	51.6		
" (Set) .	61.3		
" Solar max. .			
" (Set) .			
" Dry bulb . .	63.2	61.2	
" Wet " . . .	59.5	57.6	
Rain gauge C . . .	2 ounces 0.177 inches		
Wind, force & direction.	8 <sup>th</sup> SE	4 <sup>th</sup> NE	
Clouds, amount & kind.	10 Pm	10 Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		61.0	58.3
" No. 3 .		60.1	57.6
" No. 4 .	56.0	60.9	58.1



JUNE, 5 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.082	30.000	At 11½ A.M.
Thermometer attached.	61.9	72.8	gauge A
" external No. 2.	67.7	77.7	21 ounces
" " No. 3.	66.6	76.9	0.181 inches
" " No. 4.	68.6	78.5	
" Maximum .	67.2		
" " (Set) .	67.0		
" Minimum .	56.2		
" " (Set) .	67.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	69.5	78.3	
" Wet " . . .	64.0	70.0	
Rain gauge C . . .	0½ ounces 0.011 inches		
Wind, force & direction.	5 <sup>th</sup> S E	6 <sup>th</sup> S	
Clouds, amount & kind.	6 Pm fm	4 Pm fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		75.0	68.0
" No. 3 .		74.2	67.0
" No. 4 .	59.0	75.9	68.2

JUNE, 6 1874.

	10 A. M.	4 P. M.	
Barometer . . .	30.033	30.035	
Thermometer attached.	70.0	71.0	
" external No. 2.	78.0	60.1	Heavy thunder shower beginning about 3 $\frac{1}{4}$ P.M.
" " No. 3.	77.3	59.3	
" " No. 4.	79.1	60.0	
" Maximum .	77.8		
" " (Set) .	77.0		At 7 $\frac{1}{4}$ P.M. Gauge A 146 $\frac{3}{8}$ ounces 1.262 inches
" Minimum .	64.0		
" " (Set) .	77.6		Gauge C 15 $\frac{1}{4}$ ounces 1.346 inches
" Solar max. .			
" " (Set) .			
" Dry bulb . .	79.4	61.1	
" Wet " . . .	72.4	59.6	
Rain gauge C . . .	0		
Wind, force & direction.	0 <sup>e</sup> S	6 <sup>e</sup> N	
Clouds, amount & kind.	8 Pm Im Pm	10 Pm raining	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		72.6	54.9
" No. 3 .		71.8	59.0
" No. 4 .	67.7	73.0	54.5



JUNE, 7 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.957	29.880	Very little water in bottle, not enough to be weighed
Thermometer attached.	65.4	70.9	
" external No. 2.	66.2	68.8	
" " No. 3.	65.0	66.8	
" " No. 4.	66.7	69.1	
" Maximum .	73.3		
" " (Set) .	64.0		
" Minimum .	67.4 <sup>+</sup>		* Reading wrong; see June 6, 9 (P. M.); perhaps 47.4
" " (Set) .	65.9		
" Solar max. .			
" " " (Set) .			
" Dry bulb . .	66.6	69.3	
" Wet " . . .	62.3	63.6	
Rain gauge C . . .	+		
Wind, force & direction.	$\frac{1}{4}$ NW	1'S W	
Clouds, amount & kind.	10 Pm	10 Pma	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		73.4	62.1
" No. 3 .		71.3	60.0
" No. 4 .	66.2	73.6	62.0

JUNE, 8 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.676	29.684	At 4 P.M.
Thermometer attached.	72.7	78.0	Gauge A
" external No. 2.	78.8	78.9	41 1/2 ounces
" " No. 3.	77.6	77.3	0.358 inches
" " No. 4.	79.2	79.2	
" Maximum .	77.6		
" " (Set) .	76.1		
" Minimum .	60.6		
" " (Set) .	78.2		
" Solar max. .			
" " (Set) .			
" Dry bulb . . . . .	79.8	79.4	
" Wet " . . . . .	69.7	63.7	
Rain gauge C . . . . .	4 ounces 0.353 inches		
Wind, force & direction.	10 <sup>th</sup> SW	12 <sup>th</sup> NW	
Clouds, amount & kind.	6 P. fm	4 P. Rm R	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		81.8	69.7
" No. 3 .		80.0	68.4
" No. 4 .	70.0	83.0	69.6



JUNE, 9 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.851	29.781	
Thermometer attached.	68.2	76.1	
" external No. 2.	71.6	74.0	
" " No. 3.	70.5	72.7	
" " No. 4.	72.1	74.0	
" Maximum .	82.1		
" " (Set) .	71.4		
" Minimum .	58.2		
" " (Set) .	71.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	72.3	74.6	
" Wet " . . . .	61.2	63.5	
Rain gauge C . . .	0		
Wind, force & direction.	2 <sup>nd</sup> NW	6 <sup>th</sup> E	
Clouds, amount & kind.	4 P. R. R.	4 P. m. Fm hazy	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		80.8	69.2
" No. 3 .		79.0	68.3
" No. 4 .	65.2	80.8	69.3

Hygrometer  
 7<sup>3</sup>/<sub>4</sub> A.M. -18  
 9<sup>1</sup>/<sub>4</sub> " +29  
 10 " +28  
 2 P.M. +22  
 4<sup>1</sup>/<sub>2</sub> " +22

JUNE, 10 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.956	30.027	
Thermometer attached.	67.6	73.3	
" external No. 2.	70.1	74.0	
" " No. 3.	69.5	73.3	
" " No. 4.	70.7	74.2	
" Maximum .	80.4		Hygrometer
" (Set) .	69.8		8 A.M. + 8
" Minimum .	55.0		9 $\frac{1}{4}$ " 0
" (Set) .	69.5		10 " - 9
" Solar max. .			11 $\frac{3}{4}$ " - 25-
" " (S.) .			2 $\frac{1}{8}$ P.M. + 10
" Dry bulb .	71.1	74.8	4 " + 6
" Wet " .	61.6	58.2	7 $\frac{3}{4}$ " + 17
Rain gauge C . . .	0		Psychrometer
Wind, force & direction.	11 <sup>th</sup> NE	11 <sup>th</sup> E	11 $\frac{3}{4}$ A.M. 75.5 63.8
Clouds, amount & kind.	5 Pm Rs Pm 7m	1 Pm 7m	2 $\frac{1}{6}$ P.M. 75.7 59.5
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		75.0	60.1
" No. 3 .		74.2	59.1
" No. 4 .	58.7	75.1	60.0



JUNE, 11 1874.

	10 A. M.	4 P. M.	At 8 $\frac{1}{2}$ A.M., Dry 61.6 Wet 60.1 No. 4 61.0
Barometer	30.185	30.115	
Thermometer attached.	62.8	63.4	
" external No. 2.	61.0	57.8	Hygrometer
" " No. 3.	60.0	57.1	8 $\frac{1}{2}$ A.M. - 28
" " No. 4.	60.8	57.7	10 A.M. + 23
" Maximum	74.9		2 P.M. + 26
" (Set)	61.4		4 " - 28
" Minimum	51.1		
" (Set)	60.6		
" Solar max.			
" (Set)			
" Dry bulb	62.1	58.1	
" Wet "	51.8	52.2	
Rain gauge - C	0		
Wind, force & direction.	9 <sup>th</sup> E	8 <sup>th</sup> E	
Clouds, amount & kind.	3 Pm Pm R	10 Pm raining	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		58.6	52.6
" No. 3		58.1	51.9
" No. 4	58.5	58.0	52.3

JUNE, 12 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.834	29.776	
Thermometer attached.	60.6	63.9	
" external No. 2.	58.0	61.1	
" " No. 3.	57.8	60.5	Hygrometer
" " No. 4.	59.0	61.0	8 1/2 A.M. +27
" Maximum .	63.4		10 " +22
" (Set) .	58.0		11 1/2 " +15
" Minimum .	51.6		2 P.M. +3
" (Set) .	58.0		
" Solar max. .			
" (Set) .			
" Dry bulb . .	59.8	62.0	
" Wet " . . .	57.0	58.2	
Rain gauge C . . .	4 7/8 inches 0.430 inches		
Wind, force & direction.	0° SW	0° E	
Clouds, amount & kind.	10 Pm	10 Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		62.8 <sup>x</sup>	
" No. 3 .		63.1	
" No. 4 .	54.0	64.7	

x Bulb wet



JUNE, 13 1874.

	10 A. M.	4 P. M.	
Barometer . . .	29.927	29.974	
Thermometer attached.	61.5	65.8	
" external No. 2.	63.1	65.0	
" " No. 3.	62.8	64.9	
" " No. 4.	63.7	65.9	
" Maximum .	64.7		Hygrometer 10 A.M. - 17 2 P.M. - 28
" (Set) .	63.0		
" Minimum .	52.2		
" (Set) .	62.6		
" Solar max. .			
" (Set) .			
" Dry bulb . .	64.1	66.0	
" Wet . . . .	53.2	55.1	
Rain gauge C . . .	1 ounce 0.088 inches		
Wind, force & direction.	12 <sup>th</sup> W	12 <sup>th</sup> W	
Clouds, amount & kind.	5 M fm	9 Pm M fm	
	7 A. M.	2 P. M.	10 P. M.
Thermometer No. 2 .		66.0	54.0
" No. 3 .		65.0	53.7
" No. 4 .	57.7	66.2	53.9

JUNE, 14 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.222	30.161	
Thermometer attached.	60.4	69.1	
" external No. 2.	70.0	75.0	
" " No. 3.	68.8	74.0	
" " No. 4.	70.2	75.0	
" Maximum .	69.4		
" " (Set) .	66.9		
" Minimum .	47.7		
" " (Set) .	69.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	71.0	75.8	
" Wet " . . .	58.8	59.2	
Rain gauge C . . .	0		
Wind, force & direction.	S W $\frac{1}{4}$	5 W	
Clouds, amount & kind.	2 Rm Rs	7 Fin	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		74.8	62.9
" No. 3 .		<del>74.0</del>	62.1
" No. 4 .	58.5	75.4	62.9



JUNE. 16 1874.

	10 A. M.	4 P. M.	
Barometer	30.268	30.232	
Thermometer attached.	66.4	75.0	
" external No. 2.	72.1	77.8	
" " No. 3.	71.5	77.0	
" " No. 4.	72.7	78.2	
" Maximum	75.2		Hygrometer
" (Set)	71.8		10 A.M. 30
" Minimum	54.9		2 P.M. + 7
" (Set)	71.8		
" Solar max.			At 11 $\frac{3}{4}$ A.M.
" (Set)			Gauge A
" Dry bulb	73.2	78.5	59 $\frac{3}{4}$ mmHg
" Wet "	61.8	61.2	0.515 inches
Rain gauge - C	0		
Wind, force & direction.	3 <sup>rd</sup> W	0 calm	
Clouds, amount & kind.	1 R R	5 R, M 7 m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		78.0	
" No. 3		77.0	
" No. 4	63.2	78.0	

JUNE, 16 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.236	30.150	
Thermometer attached.	70.4	74.3	<del>At 100</del>
" external No. 2.	75.9	74.0	
" " No. 3.	75.5	73.0	
" " No. 4.	77.1	74.6	
" Maximum .	78.0		
" " (Set) .	74.5		
" Minimum .	62.0		
" " (Set) .	75.2		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	76.8	75.0	
" Wet " . . .	63.6	63.5	
Rain gauge C . . .	0		
Wind, force & direction.	7 <sup>e</sup> S	8 <sup>e</sup> S E	
Clouds, amount & kind.	10 Pm	10 Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		79.0	
" No. 3 .		78.6	
" No. 4 .	69.7	79.9	



JUNE, 17 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.859	29.703	
Thermometer attached.	66.7	71.2	
" external No. 2.			Thermometers inaccessible by reason of paint
" " No. 3.			
" " No. 4.			
" Maximum .			
" " (Set) .			
" Minimum .			
" " (Set) .			
" Solar max. .			
" " (Set) .			
" Dry bulb . . .			
" Wet " . . . .			
Rain gauge C . . .	4½ ounces 0.397 inches		
Wind, force & direction.	6 <sup>th</sup> SW	10 <sup>th</sup> SW	
Clouds, amount & kind.	10 Pm	10 Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .			
" No. 3 .			
" No. 4 .			

JUNE, 18 1874.

	10 A. M.	4 P. M.	
Barometer . . .	29.660	29.744	At 10 A.M. Gauge A 51 $\frac{1}{4}$ ounces 0.442 inches
Thermometer attached.	66.6	70.0	
" external No. 2.	69.3	71.4	
" " No. 3.	68.4	70.3	
" " No. 4.	69.5	71.4	
" Maximum .	79.0		
" " (Set) .	68.8		
" Minimum .	61.0		
" " (Set) .	68.8		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	70.3	72.0	
" Wet " . . .	61.6	62.0	
Rain gauge C . . .	0 $\frac{5}{8}$ ounces 0.055 inches		
Wind, force & direction.	13 <sup>e</sup> NW	20 <sup>e</sup> NW	
Clouds, amount & kind.	9 Pm Fm	9 Pm M Fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		70.3	
" No. 3 .		69.4	
" No. 4 .		70.4	



JUNE, 19 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.979	30.064	
Thermometer attached.	63.9	61.5	
" external No. 2.	58.1	53.0	
" " No. 3.	57.5	52.4	Hygrometer
" " No. 4.	58.2	52.7	10½ A.M. - 28
" Maximum .	71.0		2 P.M. - 3
" " (Set) .	57.9		
" Minimum .	57.1		
" " (Set) .	57.4		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	59.0	53.7	
" Wet " . . . .	54.7	50.8	
Rain gauge C . . .	0 ¼ ounces 0.02 inches		
Wind, force & direction.	4 <sup>e</sup> N	8 <sup>e</sup> NE	
Clouds, amount & kind.	10 Pm fine rain	10 Pm raining	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		52.1	51.8
" No. 3 .		53.1	51.0
" No. 4 .	60.0	53.7	51.5

JUNE, 20 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.182	30.176	
Thermometer attached.	57.4	58.9	
" external No. 2.	51.0	56.9	
" " No. 3.	50.0	55.9	Hygrometer
" " No. 4.	50.7	56.7	7 $\frac{3}{4}$ A.M. 30
" Maximum .	58.8		10 " 30
" " (Set) .	51.0		2 P.M. - 8
" Minimum .	48.8		4 P.M. - 14
" " (Set) .	50.1		7 " - 11
" Solar max. .			* Funnel not in
" " (Set) .			place; top of
" Dry bulb . . .	51.8	58.0	gauge is 5
" Wet " . . . .	49.1	52.5	inches across,
Rain gauge C . . .	1 $\frac{1}{4}$ ounces + 0.110 inches		so the measure
Wind, force & direction.	9 $^{\circ}$ N	11 $^{\circ}$ NE	may be reduced
Clouds, amount & kind.	10 P.m. raining	10 P.m.	as usual, though
			not very accurately
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		55.5	53.2
" No. 3 .		54.7	52.6
" No. 4 .	49.0	55.3	53.0

At 4 P.M.  
gauge A  
18 $\frac{3}{4}$  ounces  
0.162 inches



JUNE, 21 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.128	30.089	
Thermometer attached.	59.8	63.8	
" external No. 2.	58.0	67.3	
" " No. 3.	57.1	66.8	
" " No. 4.	57.9	68.0	
" Maximum .	57.4		
" " (Set) .	57.4		
" Minimum .	50.1		
" " (Set) .	57.2		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	58.9	68.3	
" Wet " . . . .	55.1	61.4	
Rain gauge C . . .	0 $\frac{1}{4}$ inches 0.022 inches		
Wind, force & direction.	6 <sup>c</sup> NE	5 <sup>c</sup> NE	
Clouds, amount & kind.	10 Pm fine rain	8 Pm fine	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		60.8	61.0
" No. 3 .		59.9	60.0
" No. 4 .	54.8	60.5	60.9

Hygrometer  
10 A. M. +22  
4 P. M. — 17

JUNE, 22 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.086	30.026	
Thermometer attached.	65.4	75.5	
" external No. 2.	73.7	82.2	
" " No. 3.	72.8	81.4	Hygrometer 4 P. M. + 26
" " No. 4.	73.9	82.9	
" Maximum .	73.3		
" (Set) .	72.3		
" Minimum .	53.9		
" (Set) .	73.0		
" Solar max. .			
" (Set) .			
" Dry bulb . .	74.8	83.2	+ 4 $\frac{3}{4}$ P. M. gauge A 2 $\frac{3}{8}$ ounces 0.020 inches
" Wet " . . .	67.7	69.0	
Rain gauge C . . .	0		
Wind, force & direction.	0 <sup>c</sup> W	2 <sup>c</sup> SW	
Clouds, amount & kind.	3 R Rs	9 Pm M 7m R Rs	A few drops of rain about 9 $\frac{1}{2}$ P. M.
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		81.1	73.8
" No. 3 .		80.6	72.3
" No. 4 .	63.6	81.8	73.9



JUNE, 23 1874.

	10 A. M.	4 P. M.	
Barometer . . .	29.874	29.780	
Thermometer attached.	73.0	83.0	
" external No. 2.	82.0	84.7	
" " No. 3.	81.2	84.0	
" " No. 4.	82.7	85.6	
" Maximum .	82.1		Hygrometer
" " (Set) .	80.5		10 A.M. - 10
" Minimum .	66.8		2 P.M. + 28
" " (Set) .	81.5		4 P.M. + 29
" Solar max. .			6 $\frac{3}{4}$ " - 19
" " (Set) .			
" Dry bulb . .	83.1	85.3	
" Wet " . . .	73.1	74.1	
Rain gauge C . . .	0		
Wind, force & direction.	4 <sup>c</sup> SW	5 <sup>c</sup> SW	
Clouds, amount & kind.	4 P. Rm R	10 Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		86.8	72.0
" No. 3 .		86.2	70.9
" No. 4 .	72.8	87.7	71.9

Psychrometer  
 2 P.M. 87.2 74.4 55  
 6  $\frac{3}{4}$  " 74.1 68.1 76

JUNE, 24 1874.

	10 A. M.	6 <sup>1</sup> / <sub>4</sub> P. M.	
Barometer . . . . .	29.856	29.904	
Thermometer attached.	69.2	71.6	
" external No. 2.	68.5	68.9	
" " No. 3.	67.8	68.0	
" " No. 4.	68.6	68.8	
" Maximum .	87.5		Hygrometer
" " (Set) .	68.2		10 A.M. + 18
" Minimum .	65.4		6 <sup>1</sup> / <sub>4</sub> P.M. - 4
" " (Set) .	68.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	69.3	69.7	
" Wet " . . .	55.8	54.5	
Rain gauge C . . .	0.022 inches		
Wind, force & direction.	11 <sup>0</sup> W	0 calm	
Clouds, amount & kind.	0 Rs	10 Pm Bz Rs	
	7 A. M.	12 P. M.	9 P. M.
Thermometer No. 2 .		71.0	61.3
" No. 3 .		70.1	60.8
" No. 4 .	67.3	71.0	61.0

Hygrometer  
10 A.M. + 18  
6<sup>1</sup>/<sub>4</sub> P.M. - 4

Thermometers  
12 P.M. 71.0  
70.1  
71.0

55  
76



JUNE, 25 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.908 64.8	29.790 71.1	
Thermometer attached.			
" external No. 2.	69.1	75.8	
" " No. 3.	68.7	75.0	
" " No. 4.	69.9	76.0	
" Maximum .	72.3		Hygrometer
" (Set) .	69.0		10 A.M. +7
" Minimum .	53.0		2 P.M. - 3
" (Set) .	58.8		5 1/4 " - 2
" Solar max. .			6 1/2 " - 1
" " (Set) .			
" Dry bulb .	70.3	76.6	Gauge A
" Wet " .	56.5	58.8	9 1/2 A.M.
Rain gauge C . . . . .	0		2 1/4 inches
Wind, force & direction.	6 <sup>2</sup> S W	13 <sup>2</sup> W	0.018 inches
Clouds, amount & kind.	10 Pm Fm	5 Pm Pm Ro	Psychrometer
	7 A. M.	2 P. M.	5 1/4 P.M.
Thermometer No. 2 .		74.2	68.9
" No. 3 .		73.7	67.9
" No. 4 .	62.3	74.4	68.5
			77.2 59.6 32
			77 6 1/2 P.M.
			75.4 60.8 41



JUNE, 26 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.752	29.730	
Thermometer attached.	68.7	75.6	
" external No. 2.	70.0	73.8	
" " No. 3.	69.7	72.8	Hygrometer
" " No. 4.	71.1	73.8	10 A.M. + 25
" Maximum .	76.3		2 P.M. + 11
" (Set) .	70.0		4 P.M. + 12
" Minimum .	62.1		
" (Set) .	69.4		
" Solar max. .			
" (Set) .			
" Dry bulb . .	71.1	74.0	Psychrometer
" Wet " . . .	59.8	62.6	2 P.M.
Rain gauge C . . .	0 1/8 inches 0.011 inches		77.1 64.7 57
Wind, force & direction.	2 <sup>e</sup> SW	0 calm	
Clouds, amount & kind.	10 Pm fm	10 Pm raining	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		76.2	63.0
" No. 3 .		75.5	61.9
" No. 4 .	65.5	77.0	62.8

Gauge A  
10 A.M.  
1 inches  
0.009 inches



JUNE, 27 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.906	29.870	
Thermometer attached.	67.9	76.0	At 10 A.M.
" external No. 2.	73.4	75.3	garage A
" " No. 3.	73.2	74.8	5½ ounces
" " No. 4.	75.0	75.6	0.047 inches
" Maximum .	77.0		
" " (Set) .	72.9		
" Minimum .	57.2		Hygrometer
" " (Set) .	73.0		11 A.M. - 15
" Solar max. .			4 P.M. + 28
" " (Set) .			
" Dry bulb . . .	74.6	76.0	
" Wet " . . . .	63.9	64.7	
Rain gauge C . . .	0 5/8 inches 0.055 inches		
Wind, force & direction.	4 <sup>c</sup> S	6 <sup>c</sup> E	
Clouds, amount & kind.	5 Pm fm	3 M fm hazy	Psychrometer 11 A.M. 75.9 65.9
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		75.5	63.5
" No. 3 .		74.2	62.0
" No. 4 .	64.2	75.5	63.0

JUNE, 28 1874.

	12 <del>noon</del> M.	2 P. M.	
Barometer . . . . .	29.756	29.749	
Thermometer attached.	74.6	78.6	
" external No. 2.	82.7	85.0	
" " No. 3.	81.7	83.8	
" " No. 4.	83.0	85.0	Hygrometer
" Maximum .	82.8		12 M - 25
" (Set) .	82.4		2 P.M.
" Minimum .	56.8		
" (Set) .	82.2		
" Solar max. .			
" (Set) .			
" Dry bulb . .	84.0	85.6	
" Wet " . . .	71.8	73.8	
Rain gauge C . . .	0		
Wind, force & direction.	10 <sup>th</sup> W	11 <sup>th</sup> W	
Clouds, amount & kind.	0 Ra	2 Ra Fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		85.0	76.9
" No. 3 .		83.8	75.8
" No. 4 .	65.5	85.0	77.0



JUNE, 29 1874.

1874phae.proj..373.

	10 A. M.	4 P. M.	
Barometer . . . .	29.726	29.673	
Thermometer attached.	79.0	85.5	
" external No. 2.	87.5	82.4	
" " No. 3.	86.9	81.7	
" " No. 4.	88.4	82.5	
" Maximum .	87.3		Hygrometer 10 A.M. - 4 4 P.M. - 20 6 P.M. - 22
" " (Set) .	86.6		
" Minimum .	69.0		
" " (Set) .	87.2		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	88.8	82.4	
" Wet " . . . .	79.0	72.9	
Rain gauge C . . .	0		
Wind, force & direction.	1 <sup>st</sup> S	4 <sup>th</sup> S	
Clouds, amount & kind.	1 B Rs	1 B Rs	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		83.9	69.2
" No. 3 .		83.0	68.2
" No. 4 .	76.3	84.0	69.5

June 30

JULY

1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.846	29.864	
Thermometer attached.	74.4	82.0	
" external No. 2.	79.8	81.2	
" " No. 3.	79.0	80.8	
" " No. 4.	80.6	82.0	Hygrometer
" Maximum .	93.0		10 A.M. 30
" " (Set) .	79.0		4 P.M. +10
" Minimum .	63.2		
" " (Set) .	79.2		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	80.6	81.9	
" Wet " . . . .	65.4	66.7	
Rain gauge C . . .	0		
Wind, force & direction.	11 <sup>e</sup> W	11 <sup>e</sup> W	
Clouds, amount & kind.	7 Pm Ro Pm	5 Pm Rs Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		82.8	69.5
" " No. 3 .		81.7	68.2
" " No. 4 .	73.4	83.0	69.8



JULY, 1 1874.

	10 A. M.	4 P. M.	
Barometer . . .	30.086	30.063	
Thermometer attached.	70.4	77.8	
" extern. I No. 2.	75.6	81.6	
" " No. 3.	74.4	80.8	
" " No. 4.	75.9	82.3	
" Maximum .	82.4		Hygrometer
" " (Set) .	75.0		10 A.M. + 24
" Minimum .	58.0		4 P.M. + 5
" " (Set) .	75.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	76.4	82.3	
" Wet " . . .	62.9	66.3	
Rain gauge C . . .	0		
Wind, force & direction.	5 <sup>c</sup> NW	6 <sup>c</sup> W	
Clouds, amount & kind.	1 R Rs	4 R Rs	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		81.0	69.8
" No. 3 .		80.0	68.8
" No. 4 .	66.5	81.3	70.0

July 2  
~~JUNE~~ 1874.

3.871

	10 A. M.	4 P. M.	
Barometer . . . . .	30.060	30.023	
Thermometer attached.	69.8	75.6	
" external No. 2.	77.0	75.8	
" " No. 3.	76.0	75.4	
" " No. 4.	77.3	76.6	
" Maximum .	81.8		Hygrometer
" (Set) .	76.4		10 A.M. - 20
" Minimum .	58.3		4 P.M. + 10
" (Set) .	76.5		
" Solar max. .			
" (Set) .			
" Dry bulb . .	78.0	76.5	
" Wet " . . .	67.0	62.0	
Rain gauge C . . .	0		
Wind, force & direction.	5 <sup>e</sup> S	9 <sup>e</sup> S	
Clouds, amount & kind.	4 P. R. 7 m	9 P. M. 7 m	Rain after 7 P.M.
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		78.5	65.0
" No. 3 .		78.5	64.0
" No. 4 .	65.7	79.7	65.5



JULY, 3 1874.

	10 A. M.	4 P. M.	
Barometer . . .	29.982	29.940	
Thermometer attached.	70.1	76.0	
" external No. 2.	74.0	77.2	
" " No. 3.	73.0	77.1	
" " No. 4.	75.0	78.2	
" Maximum .	80.6		
" " (Set) .	73.6		
" Minimum .	61.3		
" " (Set) .	73.3		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	75.7	77.9	Gauge A at
" Wet " . . .	67.7	62.7	10 <sup>1</sup> / <sub>2</sub> A.M.
Rain gauge C . . .	0.5 inches 0.055 inches		6 <sup>1</sup> / <sub>2</sub> inches
Wind, force & direction.	5 W	8 <sup>e</sup> W	0.056 inches
Clouds, amount & kind.	5 Pm M fm	3 M fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		78.8	63.9
" No. 3 .		78.1	63.0
" No. 4 .	65.3	79.4	64.0

JULY, 4 1874.

	10 A. M.	4 P. M.
Barometer . . .	30.049	29.973
Thermometer attached.	69.1	73.2
" external No. 2.	71.6	67.9
" " No. 3.	71.8	67.0
" " No. 4.	72.8	67.4
" Maximum .	79.6	
" " (Set) .	71.5	
" Minimum .	58.2	
" " (Set) .	71.7	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	72.4	68.3
" Wet " . . .	64.0	62.6
Rain gauge C . . .	0	
Wind, force & direction.	4 <sup>th</sup> S	9 <sup>th</sup> NE
Clouds, amount & kind.	9 Pm fm haze	9 Pm M fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		76.1	63.2
" No. 3 .		76.0	62.8
" No. 4 .	60.5	77.2	64.5

A little rain  
at times.  
Raining after  
7 P.M.



JULY, 5 1874.

	10 A. M.	4 P. M.
Barometer . . . .	29.876	29.959
Thermometer attached.	66.7	65.0
" external No. 2.	55.2	54.0
" " No. 3.	54.9	53.6
" " No. 4.	55.5	54.0
" Maximum .	78.0	
" " (Set) .	55.5	
" Minimum .	54.3	
" " (Set) .	54.6	
" Solar man .		
" " (Set) .		
" Dry bulb . . .	56.2	55.0
" Wet " . . . .	54.4	53.2
Rain gauge C . . .	4 $\frac{1}{8}$ ounces 0.364 inches	
Wind, force & direction.	16° N	12° NE
Clouds, amount & kind.	10 Pm raining	10 Pm raining

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		55.0	57.9
" No. 3 .		54.6	57.2
" No. 4 .	57.0	55.4	58.5

Rain most of  
the day, not heavy.

At 10 A.M.  
Gauge A  
42  $\frac{1}{4}$  ounces  
0.364 inches

JULY, 6 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.162	30.174	
Thermometer attached.	65.4	69.5	
" external No. 2.	67.9	65.5	
" " No. 3.	67.2	65.0	
" " No. 4.	68.2	65.3	
" Maximum .	67.4		
" " (Set) .	67.3		
" Minimum .	52.9		
" " (Set) .	67.4		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	68.7	65.9	
" Wet " . . . .	60.8	58.8	
Rain gauge C . . .	4 3/8 ounces 0.375 inches		
Wind, force & direction.	3 <sup>rd</sup> E	9 <sup>th</sup> E	
Clouds, amount & kind.	8 Pm M Fm	8 Pm Pm Fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		65.6	62.0
" No. 3 .		64.9	61.2
" No. 4 .	60.5	65.0	62.5

At 10 A.M.  
Gauge A  
43 ounces  
0.371 inches



JULY, 7 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.069	29.952	
Thermometer attached.	65.8	76.8	
" external No. 2.	73.0	80.6	
" " No. 3.	72.0	79.8	
" " No. 4.	73.5	80.9	
" Maximum .	72.6		
" " (Set) .	71.8		
" Minimum .	55.8		
" " (Set) .	72.2		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	74.2	81.1	
" Wet " . . . .	66.0	71.1	
Rain gauge C . . .	0		
Wind, force & direction.	7 <sup>th</sup> S	13 <sup>th</sup> S	
Clouds, amount & kind.	1 Fm	2 P.Rs	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		80.4	69.9
" " . . . .		79.5	68.9
" " No. 4 .	61.2	80.6	70.0



JULY, 8 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.834	29.786	
Thermometer attached.	71.3	79.8	
" external No. 2.	75.1	85.2	
" " No. 3.	74.8	84.5	
" " No. 4.	76.1	85.8	
" Maximum .	80.4		
" " (Set) .	74.6		
" Minimum .	65.0		
" " (Set) .	74.8		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	76.2	86.0	
" Wet " . . . .	70.2	74.8	
Rain gauge C . . . .	0.022 inches		
Wind, force & direction.	6 <sup>th</sup> SW	12 <sup>th</sup> S	
Clouds, amount & kind.	9 Pm	5 M, 7 am	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		85.0	77.0
" No. 3 .		83.8	76.0
" No. 4 .	67.8	85.0	77.2



JULY, 11 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.999	30.028	
Thermometer attached.	76.5	75.8	
" external No. 2.	81.9	72.3	
" " No. 3.	81.0	71.5	
" " No. 4.	82.9	72.4	
" Maximum .	81.4		
" " (Set) .	80.6		
" Minimum .	69.2		
" " (Set) .	81.4		
" Solar max. .			
" " (Set) .			
" Dry bulb . . . .	83.0	73.6	
" Wet " . . . .	75.6	71.0	
Rain gauge C . . . .	1 ounce 0.088 inches		
Wind, force & direction.	4° SW	0 calm	
Clouds, amount & kind.	9 Pm M. Fm	10 Pm M. Fm raining	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		70.1	71.5
" No. 3 .		69.7	70.3
" No. 4 .	74.7	70.8	71.8

Gauge A  
at 11<sup>3</sup>/<sub>4</sub> A.M.  
9<sup>1</sup>/<sub>2</sub> ounces  
0.082 inches

JULY, 12 1874.

	10 A. M.	4 P. M.
Barometer . . . .	30.156	30.180
Thermometer attached.	71.4	69.0
" external No. 2.	65.2	56.8
" " No. 3.	64.8	55.8
" " No. 4.	65.8	57.1
" Maximum .	84.4	
" " (Set) .	65.0	
" Minimum .	64.3	
" " (Set) .	64.9	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	66.4	58.0
" Wet " . . .	64.3	55.7
Rain gauge C . . .	7 ounces 0.618 inches	
Wind, force & direction.	8 <sup>c</sup> NE	7 <sup>c</sup> NE
Clouds, amount & kind.	10 Pm	10 Pm

Rain before  
10 A.M.; a  
little rain later.

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		59.3	55.9
" No. 3 .		58.8	55.3
" No. 4 .	67.5	59.5	56.0



JULY, 13 1874

	10 A. M.	4 P. M.	
Barometer . . . .	30.160	30.068	
Thermometer attached.	65.5	74.5	
" external No. 2.	64.1	80.1	
" " No. 3.	63.8	79.8	
" " No. 4.	64.8	80.8	
" Maximum .	65.0		
" " (Set) .	64.0		
" Minimum .	54.7		
" " (Set) .	64.2		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	65.9	81.1	
" Wet " . . . .	62.9	73.8	
Rain gauge C . . .	13/8 ounces 0.121 inches		
Wind, force & direction.	4 <sup>th</sup> NE	14 <sup>th</sup> SW	
Clouds, amount & kind.	10 Pm	5 Pm M Fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		78.0	71.3
" No. 3 .		77.0	70.2
" No. 4 .	59.0	78.5	71.5

At 1 P.M.  
Gauge A  
83<sup>1</sup>/<sub>2</sub> ounces  
0.718 inches

JULY, 14 1874.

	10 A. M.	4 $\frac{1}{2}$ P. M.	At 8 $\frac{1}{6}$ A.M.
Barometer . . . . .	30.184	30.151	
Thermometer attached.	69.3	77.3	Dry 71.7 Wet 70.6
" external No. 2.	75.2	82.8	No. 4 71.8
" " No. 3.	74.7	81.9	
" " No. 4.	75.6	83.1	
" Maximum .	80.0		
" " (Set) .	74.6		
" Minimum .	62.2		
" " (Set) .	74.8		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	76.2	83.4	
" Wet " . . .	64.6	70.2	
Rain gauge C . . .	0		
Wind, force & direction.	5 <sup>e</sup> W	3 <sup>e</sup> SW	
Clouds, amount & kind.	0 haze	1 Rs haze	
	7 A. M.	2 $\frac{1}{2}$ P. M.	9 P. M.
Thermometer No. 2 .		82.7	74.9
" No. 3 .		81.7	73.8
" No. 4 .	67.0	82.6	74.8



JULY, 15 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.054	29.980	At 9 1/2 A.M. Dry 83.0 Wet 82.2 No. 4 82.7
Thermometer attached.	74.3	83.1	
" external No. 2.	84.6	88.3	
" " No. 3.	83.4	87.6	
" " No. 4.	85.0	88.9	
" Maximum . . . . .	84.0		
" " (Set) . . . . .	83.0		
" Minimum . . . . .	65.6		
" " (Set) . . . . .	84.0		
" Solar max. . . . .			
" " (Set) . . . . .			
" Dry bulb . . . . .	85.7	89.1	
" Wet " . . . . .	75.4	75.0	
Rain gauge C . . . . .	0		
Wind, force & direction.	4 <sup>th</sup> S	6 <sup>th</sup> SW	
Clouds, amount & kind.	5 P. Rs hazy.	2 P. Rs hazy	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 . . . . .		88.8	77.3
" No. 3 . . . . .		88.0	76.5
" No. 4 . . . . .		89.2	77.8

JULY, 16 1874.

	10 A. M.	4 P. M.
Barometer . . . .	29.818	29.845
Thermometer attached.	78.4	79.8
" external No. 2.	84.6	73.9
" " No. 3.	83.9	73.1
" " No. 4.	85.3	74.6
" Maximum .	88.6	
" " (Set) .	83.8	
" Minimum .	71.3	
" " (Set) .	84.0	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	85.3	75.4
" Wet " . . .	74.7	71.3
Rain gauge C . . .	0	
Wind, force & direction.	7 <sup>e</sup> SW	2 <sup>e</sup> S
Clouds, amount & kind.	1 Pm Fm	10 Pm Fm a few drops of rain

Thunder  
shower  
about 1 $\frac{1}{2}$  P.M.

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		70.6	71.0
" No. 3 .		69.5	70.2
" No. 4 .	76.5	70.6	71.0



JULY, 17 1874.

	10 A. M.	4 P. M.
Barometer . . .	30.006	30.022
Thermometer attached.	71.1	77.0
" external No. 2.	73.5	78.0
" " No. 3.	72.6	77.2
" " No. 4.	73.7	78.2
" Maximum .	89.1	
" " (Set) .	73.2	
" Minimum .	61.8	
" " (Set) .	72.9	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	74.5	78.6
" Wet " . . .	64.4	64.5
Rain gauge C . . .	3 $\frac{3}{4}$ ounces 0.331 inches	
Wind, force & direction.	9 <sup>e</sup> N	6 <sup>e</sup> NW
Clouds, amount & kind.	3 M Fm	7 P M Fm

At 10 A.M.  
Gauge A  
37  $\frac{1}{4}$  ounces  
0.321 inches

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		78.9	71.9
" No. 3 .		77.7	71.0
" No. 4 .	67.3	78.9	72.0

JULY, 18 1874.

	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 .			70.0
“ No. 3 .			69.2
“ No. 4 .	65.8		70.0



JULY, 19 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.284	30.255	
Thermometer attached.	71.8	82.5	
" external No. 2.	80.3	83.8	
" " No. 3.	79.2	83.0	
" " No. 4.	81.0	84.4	
" Maximum .	80.1		
" " (Set) .	79.0		
" Minimum .	58.9		
" " (Set) .	79.8		
" Solar max. .			
" " (Set) .			
" Dry bulb . . . . .	81.8	84.4	
" Wet . . . . .	71.4	72.2	
Rain gauge C . . . . .	0		
Wind, force & direction.	0° S.W.	10° S.W.	
Clouds, amount & kind.	1 haze	5 P. R. n. fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 . . . . .		84.6	69.5
" No. 3 . . . . .		84.2	68.9
" No. 4 . . . . .	67.5	85.4	69.8

JULY, 20 1874.

	10 A. M.	4 P. M.
Barometer . . . . .	30.120	30.038
Thermometer attached.	72.7	79.6
" external No. 2.	76.0	80.6
" " No. 3.	75.0	79.9
" " No. 4.	76.4	81.1
" Maximum .	85.0	
" " (Set) .	75.2	
" Minimum .	64.3	
" " (Set) .	75.1	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	76.9	81.3
" Wet " . . .	70.0	72.3
Rain gauge C . . .	0	
Wind, force & direction.	10 <sup>es</sup>	6 <sup>e</sup> SW
Clouds, amount & kind.	40 Pm	10 Pm

	7 A. M.	2 <sup>1</sup> / <sub>2</sub> P. M.	9 P. M.
Thermometer No. 2 .		81.7	73.2
" No. 3 .		81.2	71.9
" No. 4 .	70.2	82.5	72.0



JULY, 21 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.038	29.988	
Thermometer attached.	72.2	75.5	
" external No. 2.	68.5	75.6	
" " No. 3.	67.9	74.6	
" " No. 4.	68.9	75.8	
" Maximum .	83.12		
" " (Set) .	68.0		
" Minimum .	67.2		
" " (Set) .	67.8		
" Solar max. .	☉		
" " (Set) .			
" Dry bulb . .	69.4	76.4	
" Wet " . . .	64.6	65.3	
Rain gauge C . . .	1 1/4 ounces 0.110 inches		
Wind, force & direction.	9 <sup>e</sup> NW	5 <sup>e</sup> NW	
Clouds, amount & kind.	10 Pm	6 Pm Pz M Pz 7m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		75.0	66.5
" No. 3 .		74.6	66.0
" No. 4 .	70.0	75.9	67.0

At 9 1/2 A.M.  
Gauge A  
1 1/2 ounces  
0.097 inches

JULY, 22 1874.

	10 A. M.	4 P. M.	1 A. M.
Barometer . . . . .	30.078	30.067	
Thermometer attached.	68.4	75.8	
" external No. 2.	73.8	77.1	
" " No. 3.	72.9	76.3	
" " No. 4.	73.9	77.4	
" Maximum .	76.0		
" " (Set) .	73.2		
" Minimum .	56.3		
" " (Set) .	73.2		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	74.7	77.8	
" Wet " . . .	61.4	61.0	
Rain gauge C . . .	0		
Wind, force & direction.	5 <sup>e</sup> N	4 <sup>e</sup> NE	
Clouds, amount & kind.	0	4 M. fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		78.0	67.5
" No. 3 .		76.8	66.8
" No. 4 .	63.2	78.0	67.3



JULY, 23 1874.

	10 A. M.	4 P. M.	At 9 45 A. M.
Barometer . . .	30.124	30.109	Dry 72.9 Wet 72.0
Thermometer attached.	69.1	76.4	No. 4 72.2
" external No. 2.	74.5	75.0	
" " No. 3.	73.7	74.2	
" " No. 4.	74.6	75.0	
" Maximum .	77.7		
" " (Set) .	73.9		
" Minimum .	56.4		
" " (Set) .	74.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	75.6	75.4	
" Wet " . . .	63.8	59.2	
Rain gauge C . . .	0		
Wind, force & direction.	4 <sup>th</sup> N E	7 <sup>th</sup> E	
Clouds, amount & kind.	0	2 M 7 m haze	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		77.2	68.9
" No. 3 .		76.3	67.9
" No. 4 .	62.5	77.1	68.2

JULY, 24 1874.

	10 A. M.	4 P. M.
Barometer . . . . .	30.138	30.120
Thermometer attached.	70.8	77.8
" external No. 2.	75.1	80.0
" " No. 3.	74.9	79.3
" " No. 4.	76.2	80.7
" Maximum .	77.9	
" " (Set) .	74.5	
" Minimum .	61.6	
" " (Set) .	74.7	
" Solar max. .		
" " (Set) .		
" Dry bulb . . .	76.1	80.8
" Wet " . . . .	65.9	66.9
Rain gauge C . . .	0	
Wind, force & direction.	8 <sup>2</sup> SW	0 <del>SW</del>
Clouds, amount & kind.	8 Pny Fm Ps	9 Hapm Fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		82.8	69.0
" No. 3 .		82.1	68.4
" No. 4 .	67.2	83.5	69.5



JULY, 25 1874.

	10 A. M.	4 P. M.	At 9 $\frac{1}{2}$ A. M., Dry 76.0 Wet 75.0 No. 4 75.3
Barometer . . .	30.206	30.184	
Thermometer attached.	70.8	77.5	
" external No. 2.	75.8	79.0	
" " No. 3.	75.1	78.3	
" " No. 4.	76.2	79.4	
" Maximum .	83.0		
" " (Set) .	75.2		
" Minimum .	59.1		
" " (Set) .	75.3		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	76.8	79.7	
" Wet " . . .	66.4	64.1	
Rain gauge C . . .	0		
Wind, force & direction.	4 <sup>th</sup> S	7 <sup>th</sup> S	
Clouds, amount & kind.	2 H. fm	1 fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		80.0	68.8
" No. 3 .		79.1	67.8
" No. 4 .	66.5	80.4	68.9

JULY, 26 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.196	30.114	
Thermometer attached.	70.5	78.5	
" external No. 2.	77.6	78.8	
" " No. 3.	76.6	78.0	
" " No. 4.	77.8	79.0	
" Maximum .	80.3		
" " (Set) .	76.5		
" Minimum .	61.7		
" " (Set) .	77.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	78.7	79.3	
" Wet " . . . .	68.1	68.3	
Rain gauge C . . . .	0		
Wind, force & direction.	8 <sup>e</sup> S	12 <sup>e</sup> S	
Clouds, amount & kind.	5 M fm	1 M fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		81.3	68.9
" No. 3 .		80.0	67.9
" No. 4 .	70.0	81.6	68.8



JULY, 27 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.997	29.986	At 9 $\frac{1}{2}$ A.M.
Thermometer attached.	71.2	80.0	Dry 78.2 Wet 77.2
" external No. 2.	78.0	82.6	No. 4 77.7
" " No. 3.	77.2	82.2	
" " No. 4.	78.6	83.4	
" Maximum .	81.2		
" " (Set) .	77.7		
" Minimum .	63.5		
" " (Set) .	77.7		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	79.2	82.8	
" Wet " . . . .	70.0	71.7	
Rain gauge C . . .	0		
Wind, force & direction.	11 <sup>2</sup> S	12 <sup>2</sup> S	
Clouds, amount & kind.	0 fm Rs	5 M fm Rs	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		83.0	70.0
" No. 3 .		82.3	69.0
" No. 4 .	69.0	83.7	69.9

JULY, 28 1874.

	10 A. M.	4 P. M.
Barometer . . . . .	30.031	29.984
Thermometer attached.	71.7	79.7
" external No. 2.	77.6	83.2
" " No. 3.	76.8	82.8
" " No. 4.	77.8	84.0
" Maximum .	83.6	
" " (Set) .	77.0	
" Minimum .	60.2	
" " (Set) .	77.0	
" Solar max. .		
" " (Set) .		
" Dry bulb . . .	78.6	84.0
" Wet " . . . .	68.7	71.0
Rain gauge C . . .	0	
Wind, force & direction.	5 <sup>th</sup> SW	12 <sup>th</sup> S
Clouds, amount & kind.	0 Rs	5 M Fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		85.0	70.0
" No. 3 .		84.3	69.0
" No. 4 .	67.7	85.7	70.0



JULY, 29 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.949	29.905	
Thermometer attached.	73.6	74.5	
" external No. 2.	77.7	74.8	
" " No. 3.	77.5	74.0	
" " No. 4.	78.7	75.1	
" Maximum .	84.7		Raining 10 A.M. to 1 P.M.
" " (Sec) .	77.2		
" Minimum .	65.4		
" " (Sec) .	77.2		
" Solar max. .			
" " (Sec) .			
" Dry bulb . . .	78.4	75.6	
" Wet " . . . .	70.8	70.6	
Rain gauge C . . .	0		
Wind, force & direction.	8c S	13c S	
Clouds, amount & kind.	10 Pm. Fm. some rain	10 Pm. Fm.	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		72.0	
" No. 3 .		71.3	
" No. 4 .	73.0	72.4	

JULY, 30 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.870	29.922	
Thermometer attached.	70.0	75.3	
" external No. 2.	71.9	77.9	
" " No. 3.	71.2	77.0	
" " No. 4.	72.1	78.0	
" Maximum .	78.1		
" " (Set) .	71.0		
" Minimum .	61.4		
" " (Set) .	71.3		
" Solar max. .	-		
" " (Set) .			
" Dry bulb . .	72.7	78.7	
" Wet " . . .	62.4	62.6	
Rain gauge C . . .	5 ounces 0.414 inches		
Wind, force & direction.	10 <sup>th</sup> N W	11 <sup>th</sup> N W	
Clouds, amount & kind.	5 M fm	4 M fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		78.0	68.9
" No. 3 .		76.8	67.9
" No. 4 .	63.8	77.6	68.2

At 10 A.M.  
Gauge A  
50<sup>th</sup> ounces  
0.433 inches.



JULY, 31 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.999 68.8	29.904 78.2	
Thermometer attached.	76.2	78.8	
" external No. 2.	75.8	78.6	
" " No. 3.	76.5	79.6	
" " No. 4.	78.4		
" Maximum .	75.4		
" " (Set) .	57.0		
" Minimum .	75.8		
" " (Set) .			
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	77.5 65.2	79.5 66.0	
" Wet " . . . .	0		
Rain gauge C . . .	7 <sup>th</sup> S	15 <sup>th</sup> SW	
Wind, force & direction.	5 Pm fm Pn R R	9 Pm M fm Pn R	
Clouds, amount & kind.			
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		80.5	70.6
" No. 3 .		80.1	69.9
" No. 4 .	65.2	81.1	70.5

AUGUST, 1 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.667	29.625	
Thermometer attached.	72.1	76.0	
" external No. 2.	81.1	76.0	
" " No. 3.	79.7	75.2	
" " No. 4.	81.4	76.3	
" Maximum .	81.6		
" " (Set) .	79.9		
" Minimum .	63.3		
" " (Set) .	80.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	82.3	76.8	
" Wet " . . .	70.8	66.0	
Rain gauge C . . .	0		
Wind, force & direction.	3 <sup>e</sup> W	8 <sup>e</sup> S	
Clouds, amount & kind.	9 Pm 7m	10 Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		75.6	70.0
" No. 3 .		74.4	69.6
" No. 4 .	69.5	75.6	70.0



AUGUST, 2 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.689	29.733	
Thermometer attached.	70.0	76.3	
" external No. 2.	73.6	64.7	
" " No. 3.	72.8	63.4	
" " No. 4.	73.8	65.9	
" Maximum .	82.3		
" " (Set) .	73.5		Shower about 3½ P.M.; a little rain later
" Minimum .	60.3		
" " (Set) .	73.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	74.7	64.9	
" Wet " . . . .	64.8	62.7	
Rain gauge C . . .	0 $\frac{3}{8}$ ounces 0.033 inches		
Wind, force & direction.	3 <sup>c</sup> NW	8 <sup>c</sup> NE	
Clouds, amount & kind.	1 P.m. M Fm	10 P.m. a a little rain	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		80.0	62.6
" No. 3 .		78.4	61.9
" No. 4 .	65.2	79.9	62.3

AUGUST, 3 1874.

	10 A. M.	4 P. M.	
Baremeter . . . .	29.905	29.950	At 9 $\frac{3}{4}$ A.M., Dry 64.4 Wet 63.1 No. 4 63.3
Thermometer attached.	65.0	69.7	
" external No. 2.	63.3	68.4	
" " No. 3.	62.4	67.8	
" " No. 4.	63.3	68.9	
" Maximum .	79.3		At 10 A.M.,
" " (Set) .	63.0		Gauge A
" Minimum .	53.5		8 $\frac{1}{4}$ ounces
" " (Set) .	62.6		0.071 inches
" Solar max. .			
" " (Set) .			
" Dry bulb . .	64.3	69.2	
" Wet " . . .	53.0	56.0	
Rain gauge C . . .	0 $\frac{3}{4}$ ounces 0.066 inches		
Wind, force & direction.	18 <sup>e</sup> NW	10 <sup>e</sup> NW	
Clouds, amount & kind.	0 M 7m	8 Pm M 7m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		68.0	59.9
" No. 3 .		67.5	58.8
" No. 4 .		68.3	58.9



AUGUST, 4 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.10 2	30.11 0	
Thermometer attached.	62.5	69.8	
" external No. 2.	66.6	72.4	
" " No. 3.	65.4	71.8	
" " No. 4.	66.3	72.9	
" Maximum .	69.1		
" " (Set) .	66.2		
" Minimum .	49.8		
" " (Set) .	65.9		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	67.6	73.3	
" Wet " . . .	55.3	59.0	
Rain gauge C . . .	0		
Wind, force & direction.	7 <sup>e</sup> NW	9 <sup>e</sup> NW	
Clouds, amount & kind.	0 Fm	10 Pm M fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		72.0	65.0
" No. 3 .		71.4	60.0
" No. 4 .	56.0	72.5	65.5

AUGUST, 5 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.149	30.131	
Thermometer attached.	65.9	73.0	
" external No. 2.	70.5	70.7	
" " No. 3.	69.8	69.9	
" " No. 4.	70.8	70.8	
" Maximum .	72.6		
" " (Set) .	70.1		
" Minimum .	53.2		
" " (Set) .	70.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	71.6	71.4	
" Wet " . . .	59.5	59.2	
Rain gauge C . . .	0		
Wind, force & direction.	8° E	11° E	
Clouds, amount & kind.	6 P. R.	4 P. R.	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		73.6	61.1
" No. 3 .		72.4	60.0
" No. 4 .	59.5	73.5	60.5



AUGUST, 6 1874.

	10 A. M.	4 P. M.
Barometer . . . . .	30.098	30.069
Thermometer attached.	66.0	72.8
" external No. 2.	70.0	72.4
" " No. 3.	69.1	71.3
" " No. 4.	70.2	72.6
" Maximum .	74.2	
" " (Set) .	69.8	
" Minimum .	54.5	
" " (Set) .	69.7	
" Solar max. .		
" " (Set) .		
" Dry bulb . . . . .	71.1	73.1
" Wet " . . . . .	61.2	62.3
Rain gauge C . . . . .	0	
Wind, force & direction.	5 <sup>th</sup> S E	3 <sup>rd</sup> S E
Clouds, amount & kind.	0 Rs. fm haze	3 Pmilly fm Pn

	7 A. M.	2 <sup>1</sup> / <sub>2</sub> P. M.	9 P. M.
Thermometer No. 2 .		69.0	59.0
" No. 3 .		68.2	57.9
" No. 4 .	60.3	68.8	58.0

AUGUST, 7 1874.

	10 A. M.	4 P. M.
Barometer . . . . .	30.086	30.062
Thermometer attached.	66.4	76.7
" external No. 2.	74.2	77.9
" " No. 3.	72.1	76.7
" " No. 4.	74.8	78.5
" Maximum .	74.0	
" " (Set) .	71.3	
" Minimum .	53.6	
" " (Set) .	74.0	
" Solar max. .		
" " (Set) .		
" Dry bulb . . .	76.0	78.7
" Wet " . . . .	66.9	65.1
Rain gauge C . . .	10 $\frac{5}{8}$ ounces 0.938 inches	
Wind, force & direction.	7 $\frac{1}{2}$ S	18 $\frac{1}{2}$ SW
Clouds, amount & kind.	7 R R s	8 R R R s M Fm

	7 A. M.	2 $\frac{1}{2}$ P. M.	9 P. M.
Thermometer No. 2 .		80.0	69.8
" No. 3 .		78.1	68.8
" No. 4 .	61.2	80.4	69.9

At 10 A.M.  
Gauge A  
104 ounces  
0.896 inches



AUGUST, 8 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.857	29.8212	
Thermometer attached.	69.8	71.5	Rain previous night.
" external No. 2.	68.1	70.9	
" " No. 3.	67.9	70.1	
" " No. 4.	68.9	71.3	At 9 <sup>1</sup> / <sub>2</sub> A.M.
" Maximum .	80.0		Gauge A
" " (Set) .	67.2		136 <sup>3</sup> / <sub>4</sub> ounces
" Minimum .	65.0		1.179 inches
" " (Set) .	68.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	69.9	71.8	
" Wet " . . .	67.0	67.9	
Rain gauge C . . .	12 <sup>1</sup> / <sub>4</sub> ounces 1.081 inches		
Wind, force & direction.	20° SE	8° S	
Clouds, amount & kind.	10 P.m. fine rain	10 P.m. raining	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		73.5	67.9
" No. 3 .		73.8	67.0
" No. 4 .	66.2	75.4	68.0

AUGUST, 9 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.808	29.768	
Thermometer attached.	69.0	70.4	
" external No. 2.	65.4	66.9	
" " No. 3.	64.7	65.7	
" " No. 4.	65.4	68.0	
" Maximum .	73.7		
" (Set) .	65.0		
" Minimum .	60.7		
" (Set) .	64.7		
" Solar max. .			
" (Set) .			
" Dry bulb . .	66.9	68.9	
" Wet " . . .	64.7	65.0	
Rain gauge C . . .	19 1/4 ounces x 1.721 inches		
Wind, force & direction.	6 <sup>e</sup> NE	14 <sup>e</sup> NE	
Clouds, amount & kind.	10 Pm	10 Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		66.7	<del>64.8</del> 64.8
" No. 3 .		65.7	63.0
" No. 4 .	62.5	67.6	63.8

At 8 A.M.  
Gauge A  
18 1/2 ounces  
1.631 inches

x Gauge C  
18 1/2 ounces  
At 10 A.M.  
0 3/4 ounces



AUGUST, 10 1874.

	10 A. M.	4 P. M.	
Barometer . . .	29.860	29.880	
Thermometer attached.	70.0	79.0	
" extern. J No. 2.	74.9	80.0	
" " No. 3.	71.9 <sup>x</sup>	79.0	* Inside of case damp
" " No. 4.	74.6	80.0	
" Maximum .	74.0		
" " (Set) .	74.0		Gauge A
" Minimum .	62.3		at 10 A.M.
" " (Set) .	74.3		14 1/2 ounces
" Solar max. .			0.125 inches
" " (Set) .			
" Dry bulb . .	76.0	80.7	
" Wet " . . .	67.0	69.4	
Rain gauge C . . .	0.077 inches		
Wind, force & direction.	2 <sup>nd</sup> NW	0 <sup>th</sup> W	
Clouds, amount & kind.	0 Rs haze	4 M fm haze	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		82.4	71.0
" " No. 3 .		80.9	69.9
" " No. 4 .	65.0	82.4	70.5

AUGUST, 11 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.081	30.091	
Thermometer attached.	72.5	79.7	
" external No. 2.	79.9	83.3	
" " No. 3.	78.8	82.6	
" " No. 4.	79.8	83.6	
" Maximum .	82.5		
" " (Set) .	78.7		
" Minimum .	63.8		
" " (Set) .	79.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	81.0	84.2	
" Wet " . . . .	71.0	70.2	
Rain gauge C . . . .	0		
Wind, force & direction.	2 <sup>d</sup> NW	4 <sup>d</sup> SE	
Clouds, amount & kind.	0 haze	0 M haze	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		84.9	71.9
" No. 3 .		84.0	70.9
" No. 4 .	67.5	84.9	71.2



AUGUST, 12 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.106	30.008	
Thermometer attached.	72.0	80.6	
" external No. 2.	73.0	81.5	
" " No. 3.	72.0	81.0	
" " No. 4.	73.7	82.0	
" Maximum .	84.4		
" " (Set) .	72.6		
" Minimum .	65.0		
" " (Det) .	72.3		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	74.3	82.2	
" Wet " . . . .	68.8	73.1	
Rain gauge C . . .	0		
Wind, force & direction.	12 S	9 S W	
Clouds, amount & kind.	10 Pm	2 Pm 7m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		83.1	72.5
" No. 3 .		82.3	71.2
" No. 4 .	67.2	83.5	72.4

AUGUST, 13 1874.

	10 A. M.	4 P. M.
Barometer . . . .	29.951	29.950
Thermometer attached.	73.8	74.9
" external No. 2.	73.0	75.8
" " No. 3.	72.3	75.1
" " No. 4.	73.3	76.3
" Maximum .	82.9	
" " (Set) .	72.7	
" Minimum .	68.1	
" " (Set) .	72.2	
" Solar max. .		
" " (Set) .		
" Dry bulb . . .	74.0	76.5
" Wet " . . . .	70.9	73.1
Rain gauge C . . .	0.5 inches 8 v. 0.5 inches	
Wind, force & direction.	4 e S	2 e S
Clouds, amount & kind.	10 Pm	10 Pm Fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		74.5	65.2
" No. 3 .		73.9	64.8
" No. 4 .	70.7	75.0	65.2



AUGUST, 14 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.067	30.070	
Thermometer attached.	67.3	66.6	
" external No. 2.	59.5	59.5	
" " No. 3.	58.7	58.1	
" " No. 4.	59.8	59.4	
" Maximum .	76.0		
" (Set) .	59.6		
" Minimum .	58.8		
" (Set) .	59.1		
" Solar max. .			
" (Set) .			
" Dry bulb . .	60.8	60.5	
" Wet " . . .	58.2	57.8	
Rain gauge C . . .	15 1/2 ounces 1.368 inches		
Wind, force & direction.	16° N	7° N	
Clouds, amount & kind.	10 Pm fine rain	10 Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		60.2	58.0
" No. 3 .		58.8	57.4
" No. 4 .	59.8	60.2	57.8

At 10 A.M.  
Gauge A  
158 1/2 ounces  
1.366 inches

AUGUST, 15 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.016	30.015	
Thermometer attached.	64.7	68.7	
" external No. 2.	63.2	69.5	
" " No. 3.	62.1	68.4	
" " No. 4.	63.3	69.6	
" Maximum .	62.0		At 10 A. M. Gauge A 19 ounces 0.164 inches
" " (Set) .	62.1		
" Minimum .	57.2		
" " (Set) .	62.7		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	64.5	69.8	
" Wet " . . . .	60.0 1 ounce 0.088 inches	62.7	
Rain gauge C . . .			
Wind, force & direction.	8 <sup>e</sup> N	9 <sup>e</sup> E	
Clouds, amount & kind.	10 Pm	4 Pm N 7m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		71.0	60.9
" No. 3 .		69.1	60.0
" No. 4 .	60.5	71.0	60.3

\* Inside of case damp.



AUGUST, 16 1874.

	10 A. M.	4 P. M.	
Barometer	30.196	30.217	
Thermometer attached.	65.5	70.7	
" external No. 2.	71.2	70.1	
" " No. 3.	70.0	68.8	
" " No. 4.	71.2	70.2	
" Maximum	71.0		
" " (Set)	70.7		
" Minimum	55.8		
" " (Set)	70.7		
" Solar max.			
" " (Set)			
" Dry bulb	72.4	71.0	
" Wet "	61.4	57.2	
Rain gauge - C	0		
Wind, force & direction.	6 <sup>e</sup> NE	6 <sup>e</sup> E	
Clouds, amount & kind.	0 Rs	3 RR Rs	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		70.0	62.0
" No. 3		68.7	61.0
" No. 4	60.3	69.9	61.2

AUGUST, 17 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.294	30.225	
Thermometer attached.	65.9	72.2	
" external No. 2.	68.5	71.1	
" " No. 3.	67.5	70.0	
" " No. 4.	68.4	71.3	
" Maximum .	72.8		
" " (Set) .	68.1		
" Minimum .	51.4		
" " (Set) .	68.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	69.7	72.0	
" Wet " . . . .	61.2	60.0	
Rain gauge C . . . .	0		
Wind, force & direction.	6 <sup>e</sup> E	6 <sup>e</sup> E	
Clouds, amount & kind.	0 haze	0 to 7 m haze	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		71.7	63.2
" No. 3 .		70.3	62.2
" No. 4 .	57.8	71.8	63.0



AUGUST, 18 1874.

	10 A. M.	4 P. M.	OF
Barometer . . . .	30.032	29.977	
Thermometer attached.	65.9	75.3	
" external No. 2.	72.1	82.0	
" " No. 3.	70.8	80.2	
" " No. 4.	72.0	82.0	
" Maximum .	71.9		
" " (Set) .	71.5		
" Minimum .	52.8		
" " (Set) .	71.9		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	73.4	82.5	
" Wet " . . . .	63.9	71.6	
Rain gauge C . . .	0		
Wind, force & direction.	4° S	6° SW	
Clouds, amount & kind.	0 haze	5 haze Rs	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		81.7	71.0
" No. 3 .		80.0	70.1
" No. 4 .	57.5	81.8	71.5

AUGUST, 19 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.260	30.220	
Thermometer attached.	68.1	74.1	
" external No. 2.	69.5	75.8	
" " No. 3.	68.5	75.0	
" " No. 4.	69.7	76.3	
" Maximum .	81.8		
" " (Set) .	69.0		
" Minimum .	60.0		
" " (Set) .	68.8		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	70.5	76.6	
" Wet " . . . .	60.6	65.7	
Rain gauge C . . . .	0		
Wind, force & direction.	4 <sup>e</sup> E	5 <sup>e</sup> SE	
Clouds, amount & kind.	5 haze	6 haze R 7 m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		74.7	68.2
" No. 3 .		74.0	66.5
" No. 4 .	62.0	75.1	67.8



AUGUST, 20 1874.

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	10 A. M.	4 P. M.	
Barometer . . . .	30.010	29.941	
Thermometer attached.	70.0	75.7	
" external No. 2.	75.9	80.7	
" " No. 3.	75.0	80.0	
" " No. 4.	76.3	81.2	
" Maximum .	75.5		
" " (Set) .	75.0		
" Minimum .	64.2		
" " (Set) .	75.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	77.0	81.5	
" Wet " . . . .	68.6	73.5	
Rain gauge C . . .	0		
Wind, force & direction.	7 <sup>e</sup> SW	2 <sup>e</sup> SW	
Clouds, amount & kind.	9 Pm fm haze	8 Pm fm haze	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		79.5	76.8
" No. 3 .		79.0	76.0
" No. 4 .	67.8	80.5	76.5

AUGUST, 21 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.018	29.959	
Thermometer attached.	73.3	76.7	
" external No. 2.	75.9	73.2	
" " No. 3.	75.0	72.8	
" " No. 4.	76.3	73.6	
" Maximum .	80.8		
" " (Set) .	75.0		
" Minimum .	67.0		
" " (Set) .	75.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	77.0	73.5	
" Wet " . . .	68.03	65.4	
Rain gauge C . . .	0		
Wind, force & direction.	6 <sup>e</sup> N	7 <sup>e</sup> E	
Clouds, amount & kind.	10 Pm haze	10 Pm haze	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		75.5	65.9
" No. 3 .		75.0	65.0
" No. 4 .	70.5	75.6	65.8



AUGUST, 22 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.931	29.956	
Thermometer attached.	67.6	70.7	
" external No. 2.	57.8	68.4	
" " No. 3.	56.9	67.0*	
" " No. 4.	57.2	68.4	
" Maximum .	77.4		
" " (Set) .	57.6		
" Minimum .	57.0		
" " (Set) .	57.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	59.0	69.3	
" Wet " . . . .	56.2	62.0	
Rain gauge C . . .	15 $\frac{3}{4}$ ounces 1.390 inches		
Wind, force & direction.	11 <sup>th</sup> N	7 <sup>th</sup> S E	
Clouds, amount & kind.	10 Pm	6 Pm M 7m Rs	
	7 A. M.	2 $\frac{1}{2}$ P. M.	9 P. M.
Thermometer No. 2 .		68.4	59.0
" No. 3 .		65.2	58.3
" No. 4 .	58.0	68.7	59.0

At 8 A.M.  
Gauge A  
14  $\frac{1}{2}$  ouncesAt 4 P.M.  
10  $\frac{3}{4}$  ouncesIn all  
15  $\frac{8}{16}$  ounces

1.364 inches

\*Inside of can  
damp

AUGUST, 23 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.094	30.034	
Thermometer attached.	62.2	67.0	
" external No. 2.	62.4	65.9	
" " No. 3.	61.3	65.0	
" " No. 4.	62.5	66.0	
" Maximum .	68.7		
" " (Set) .	62.2		
" Minimum .	46.7		
" " (Set) .	62.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	63.2	66.2	
" Wet " . . . .	53.0	57.2	
Rain gauge C . . .	0		
Wind, force & direction.	2 <sup>e</sup> SE	6 <sup>e</sup> E	
Clouds, amount & kind.	9 R R	10 Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		67.1	58.3
" No. 3 .		65.9	57.6
" No. 4 .	52.2	67.2	57.9



AUGUST, 24 1874.

	10 A. M.	4 1/2 P. M. P.M.	
Barometer . . . .	30.002	30.050	
Thermometer attached.	62.2	68.0	
" external No. 2.	64.8	66.0	
" " No. 3.	63.2	64.7	
" " No. 4.	64.3	65.9	
" Maximum .	68.6		
" " (Set) .	64.2		
" Minimum .	48.8		
" " (Set) .	64.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	65.0	66.9	
" Wet " . . .	56.3	55.1	
Rain gauge C . . .	0		
Wind, force & direction.	6 <sup>c</sup> NW	10 <sup>c</sup> E	
Clouds, amount & kind.	1 P. R. R. M. fm	1 P. R. R. M. fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		66.9	57.0
" No. 3 .		65.4	56.2
" No. 4 .	52.5	66.6	56.6

AUGUST, 25 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.227	30.247	
Thermometer attached.	60.9	67.9	
" external No. 2.	65.9	65.9	
" " No. 3.	64.8	64.9	
" " No. 4.	66.0	65.8	
" Maximum .	67.7		
" " (Set) .	65.6		
" Minimum .	49.0		
" " (Set) .	65.3		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	67.2	66.4	
" Wet " . . .	58.1	57.6	
Rain gauge C . . .	0		
Wind, force & direction.	12° E	13° E	
Clouds, amount & kind.	9 P. R. R.	7 P. R. R.	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		68.0	55.8
" No. 3 .		66.8	55.2
" No. 4 .	51.8	68.0	55.9



AUGUST, 26 1874.

1871

	10 A. M.	4 <sup>2</sup> / <sub>3</sub> P. M.
Barometer . . . .	30.318	30.300
Thermometer attached.	61.0	68.0
" external No. 2.	64.6	65.2
" " No. 3.	63.6	64.5
" " No. 4.	64.1	65.1
" Maximum .	68.0	
" " (Set) .	64.0	
" Minimum .	46.3	
" " (Set) .	63.8	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	65.8	66.0
" Wet " . . .	55.3	56.2
Rain gauge C . . .	0	
Wind, force & direction.	13 <sup>+</sup> NE	8 <sup>e</sup> NE
Clouds, amount & kind.	0 B. Fm	1 R. M Fm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		65.4	56.0
" No. 3 .		64.8	55.3
" No. 4 .	50.5	65.0	56.0

AUGUST, 27 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.250	30.214	
Thermometer attached.	59.4	67.0	
" external No. 2.	63.9	66.9	
" " No. 3.	62.19	66.1	
" " No. 4.	63.8	66.8	
" Maximum .	66.2		
" (Set) .	63.3		
" Minimum .	47.1		
" (Set) .	63.2		
" Solar max. .			
" (Set) .			
" Dry bulb . .	65.2	67.7	
" Wet " . . .	57.5	55.14	
Rain gauge C . . .	0		
Wind, force & direction.	7 <sup>e</sup> N	10 <sup>e</sup> E	
Clouds, amount & kind.	9 R R R haze	5 R R R	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		69.4	57.0
" No. 3 .		68.5	56.5
" No. 4 .	49.5	69.4	57.2



AUGUST, 28 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.180	30.149	
Thermometer attached.	60.0	69.5	
" external No. 2.	66.7	70.9	
" " No. 3.	65.7	70.1	
" " No. 4.	66.2	71.1	
" Maximum .	69.0		
" " (Set) .	66.0		
" Minimum .	48.0		
" " (Set) .	66.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	68.0	72.0	
" Wet " . . .	57.1	57.9	
Rain gauge C . . .	0		
Wind, force & direction.	8° N	3° NE	
Clouds, amount & kind.	4 R R	3 R R Rm Fm	
	7 A. M.	2 1/2 P. M.	9 P. M.
Thermometer No. 2 .		71.4	61.0
" No. 3 .		70.7	60.3
" No. 4 .	50.0	71.5	61.2

AUGUST, 29 1874.

	10 A. M.	4 P. M.
Barometer . . . . .	30.051	30.007
Thermometer attached.	63.6	73.3
" external No. 2.	70.0	73.4
" " No. 3.	69.0	72.9
" " No. 4.	69.6	73.5
" Maximum .	71.2	
" " (Set) .	69.2	
" Minimum .	52.9	
" " (Set) .	69.4	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	71.3	74.0
" Wet " . . . .	59.6	59.1
Rain gauge C . . . .	0	
Wind, force & direction.	1 <sup>st</sup> SE	12 <sup>th</sup> E
Clouds, amount & kind.	0 R haze	9 R Rm fm haze

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		75.9	62.8
" No. 3 .		75.0	61.9
" No. 4 .	56.7	76.0	62.4



AUGUST, 30 1874.

	10 A. M.	4 P. M.
Barometer . . . .	29.948	29.921
Thermometer attached.	64.5	72.4
" external No. 2.	69.5	75.8
" " No. 3.	68.2	75.0
" " No. 4.	69.4	76.0
" Maximum .	75.3	
" " (Set) .	68.7	
" Minimum .	51.9	
" " (Set) .	68.6	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	70.8	76.7
" Wet " . . .	62.8	64.9
Rain gauge C . . .	0	
Wind, force & direction.	3 <sup>e</sup> SW	2 <sup>e</sup> SW
Clouds, amount & kind.	7 R M Fm	4 R M Fm Rs

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		76.4	63.2
" No. 3 .		76.0	62.7
" No. 4 .	57.3	76.8	63.2

AUGUST, 31 1874.

	10 A. M.	4 P. M.
Barometer . . . . .	30.000	29.976
Thermometer attached.	65.2	75.3
" external No. 2.	70.8	79.7
" " No. 3.	69.8	78.8
" " No. 4.	70.8	80.0
" Maximum .	76.3	
" " (Set) .	70.0	
" Minimum .	54.5	
" " (Set) .	70.1	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	72.0	80.5
" Wet " . . .	64.0	67.2
Rain gauge C . . .	0	
Wind, force & direction.	0° NE	0 calm
Clouds, amount & kind.	2 R R R	8 R R R R 7m

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		78.8	68.3
" No. 3 .		77.8	67.4
" No. 4 .	57.8	78.7	68.3



SEPTEMBER, 1 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.088	30.009	
Thermometer attached.	66.8	72.3	
" external No. 2.	68.6	74.8	
" " No. 3.	67.6	73.9	
" " No. 4.	68.4	74.7	
" Maximum .	79.4		
" " (Set) .	68.3		
" Minimum .	58.0		
" " (Set) .	67.9		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	69.6	75.6	
" Wet " . . . .	57.8	57.0	
Rain gauge C . . .	0		
Wind, force & direction.	9° NW	15° NW	
Clouds, amount & kind.	0 Rs	0	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		75.1	65.3
" No. 3 .		74.1	64.2
" No. 4 .	60.2	75.0	64.9

SEPTEMBER, 2 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.047	30.013	
Thermometer attached.	64.8	71.4	
" external No. 2.	68.9	76.5	
" " No. 3.	67.9	75.7	
" " No. 4.	68.6	76.4	
" Maximum .	74.6		
" " (Set) .	68.4		
" Minimum .	55.1		
" " (Set) .	68.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	69.8	77.2	
" Wet " . . . .	54.8	60.0	
Rain gauge C . . .	0		
Wind, force & direction.	17 <sup>th</sup> NW	7 <sup>th</sup> NE	
Clouds, amount & kind.	0	1 Rs fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		70.7	65.1
" No. 3 .		69.8	64.8
" No. 4 .	58.8	70.5	65.3



SEPTEMBER, 3 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.957	29.880	
Thermometer attached.	67.9	78.5	
" external No. 2.	75.8	81.6	
" " No. 3.	74.8	81.0	
" " No. 4.	75.9	82.1	
" Maximum .	76.0		
" " (Set) .	74.7		
" Minimum .	57.8	74.9	
" " (Set) .	75.0	81.0	
" Solar max. .			
" " (Set) .			
" Dry bulb . .	77.0	82.6	
" Wet " . . . .	66.0	68.0	
Rain gauge C . . .	0		
Wind, force & direction.	2 <sup>e</sup> SW	0 <sup>e</sup> S	
Clouds, amount & kind.	9 Pm fm 9 R haze	9 R haze	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		82.8	65.2
" No. 3 .		81.8	64.8
" No. 4 .	61.5	82.8	65.4

SEPTEMBER, 4 1874.

	10 A. M.	4 P. M.
Barometer . . . .	30.322	30.330
Thermometer attached.	62.6	67.3
" external No. 2.	59.5	62.4
" " No. 3.	58.7	61.7
" " No. 4.	59.3	62.3
" Maximum .	82.5	
" " (Set) .	59.8	
" Minimum .	46.0	
" " (Set) .	59.0	
" Solar max. .		
" " (Set) .		
" Dry bulb . . .	60.7	63.4
" Wet " . . . .	52.0	53.7
Rain gauge C . . .	0	
Wind, force & direction.	10 <sup>e</sup> NE	6 <sup>e</sup> SE
Clouds, amount & kind.	4 fm	0 R

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		64.0	54.5
" No. 3 .		62.8	53.3
" No. 4 .	48.6	63.4	53.8



SEPTEMBER, 5<sup>th</sup> 1874.

	10 A. M.	4 P. M.
Barometer . . . .	30.370	30.329
Thermometer attached.	60.2	67.0
" external No. 2.	62.7	65.3
" " No. 3.	61.7	64.0
" " No. 4.	62.2	65.0
" Maximum .	64.1	
" " (Set) .	62.3	
" Minimum .	45.0	
" " (Set) .	62.1	
" Solar max. .		
" " (Set) .		
" Dry bulb . . .	64.0	66.0
" Wet " . . . .	57.0	58.2
Rain gauge C . . .	0	
Wind, force & direction.	1 <sup>st</sup> W	6 <sup>th</sup> E
Clouds, amount & kind.	1 Rs 7m	10 Pm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		67.0	61.7
" No. 3 .		66.0	60.8
" No. 4 .	58.5	66.8	61.3

SEPTEMBER, 6 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.194	30.180	
Thermometer attached.	66.2	71.7	
" external No. 2.	69.8	76.0	
" " No. 3.	69.0	75.2	
" " No. 4.	70.4	76.5	
" Maximum .	69.3		
" " (Set) .	69.0		
" Minimum .	58.0		
" " (Set) .	69.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	70.9	76.8	
" Wet " . . . .	64.8	69.6	
Rain gauge C . . .	0		
Wind, force & direction.	5 <sup>e</sup> SW	6 <sup>e</sup> SE	
Clouds, amount & kind.	10 Pm	10 Pm haze thin	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		75.8	69.0
" No. 3 .		75.2	68.0
" No. 4 .	63.0	76.6	68.8



SEPTEMBER, 7 1874.

1874phae.proj..373.

	10 A. M.	4 P. M.	
Barometer . . . .	29.968	29.973	
Thermometer attached.	66.9	70.9	
" external No. 2.	70.3	70.9	
" " No. 3.	69.3	70.3	
" " No. 4.	70.2	71.2	
" Maximum .	76.0		
" " (Set) .	69.8		
" Minimum .	57.2		
" " (Set) .	69.5		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	71.2	71.7	
" Wet " . . .	60.2	59.6	
Rain gauge C . . .	0		
Wind, force & direction.	7 <sup>e</sup> W	6 <sup>e</sup> NW	
Clouds, amount & kind.	0 7m R	5 Pm M 7m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		71.6	61.0
" No. 3 .		70.8	60.3
" No. 4 .	59.2	71.8	61.0

SEPTEMBER, 8 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.989	29.984	
Thermometer attached.	64.6	71.5	
" external No. 2.	68.8	70.8	
" " No. 3.	67.8	69.8	
" " No. 4.	68.6	70.7	
" Maximum .	72.3		
" " (Set) .	68.2		
" Minimum .	56.2		
" " (Set) .	68.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	69.8	71.2	
" Wet " . . .	60.9	60.5	
Rain gauge C . . .	0		
Wind, force & direction.	4 <sup>e</sup> SW	10 <sup>e</sup> E	
Clouds, amount & kind.	2 M Fm	9 P. M Fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		73.6	63.5
" No. 3 .		72.9	62.8
" No. 4 .	58.3	73.9	63.4



SEPTEMBER, 9 1874.

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	10 A. M.	4 P. M.	
Barometer . . . .	30.178	30.154	
Thermometer attached.	66.2	71.2	
" external No. 2.	68.6	68.3	
" " No. 3.	67.2	67.3	
" " No. 4.	68.5	67.9	
" Maximum .	73.6		
" " (Set) .	68.2		
" Minimum .	53.6		
" " (Set) .	67.8		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	69.8	68.9	
" Wet " . . .	62.5	61.1	
Rain gauge C . . .	0		
Wind, force & direction.	5 <sup>e</sup> SW	12 <sup>e</sup> E	
Clouds, amount & kind.	5 Pm M fm	0	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		69.6	60.8
" No. 3 .		69.1	59.8
" No. 4 .	56.4	69.7	60.3

SEPTEMBER, 10 1874.

	10 A. M.	4 P. M.
Barometer . . . .	29.981	29.903
Thermometer attached.	65.3	76.0
" external No. 2.	70.8	85.2
" " No. 3.	69.8	84.2
" " No. 4.	70.6	85.1
" Maximum .	70.1	
" " (Set) .	69.6	
" Minimum .	56.0	
" " (Set) .	70.1	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	71.8	85.9
" Wet " . . .	62.8	71.4
Rain gauge C . . .	0	
Wind, force & direction.	6 <sup>e</sup> SW	9 <sup>e</sup> W
Clouds, amount & kind.	0 haze	0 haze

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		84.3	75.0
" No. 3 .		83.0	74.4
" No. 4 .	58.7	84.0	75.2



SEPTEMBER, 11 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.965	29.956	
Thermometer attached.	72.0	77.8	
" external No. 2.	77.6	79.0	
" " No. 3.	76.6	78.3	
" " No. 4.	77.4	79.2	
" Maximum .	84.9		
" " (Set) .	76.5		
" Minimum .	64.7		
" " (Set) .	76.8		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	78.4	79.8	
" Wet " . . .	61.9	63.2	
Rain gauge C . . .	0		
Wind, force & direction.	4 <sup>th</sup> W	6 <sup>th</sup> N W	
Clouds, amount & kind.	4 haze fm	6 Pm fm haze	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		80.0	71.7
" No. 3 .		79.0	70.8
" No. 4 .	67.5	80.1	71.6

SEPTEMBER, 12 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.182	30.222	
Thermometer attached.	67.5	69.8	
" external No. 2.	65.2	64.7	
" " No. 3.	64.2	63.0	
" " No. 4.	65.2	63.9	
" Maximum .	81.0		
" " (Set) .	65.0		
" Minimum .	58.3		
" " (Set) .	64.6		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	66.1	65.1	
" Wet " . . . .	55.9	56.3	
Rain gauge C . . . .	0		
Wind, force & direction.	13 <sup>e</sup> E	12 <sup>e</sup> E	
Clouds, amount & kind.	9 Pm M Fm	8 Pm Pm Fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		63.8	55.4
" No. 3 .		62.9	54.9
" No. 4 .	59.5	63.3	55.0

At 9 P.M.  
Auroral arch  
upper edge  
through Capella,  
not reaching to  
the Dipper!



SEPTEMBER, 13 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.359	30.332	
Thermometer attached.	59.2	67.4	
" external No. 2.	63.0	65.9	
" " No. 3.	61.8	65.0	
" " No. 4.	62.3	65.7	
" Maximum .	66.2		
" " (Set) .	62.4		
" Minimum .	43.1		
" " (Set) .	62.2		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	64.4	66.7	
" Wet " . . . .	56.8	58.1	
Rain gauge C . . .	0		
Wind, force & direction.	4 <sup>e</sup> W	14 <sup>e</sup> E	
Clouds, amount & kind.	1 fm haze	1 fm haze	
	7 A. M.	3 P. M.	9 P. M.
Thermometer No. 2 .		66.0	57.0
" No. 3 .		65.2	56.0
" No. 4 .	46.5	65.7	56.3

SEPTEMBER, 14 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.356	30.298	
Thermometer attached.	63.2	70.3	
" external No. 2.	66.2	71.0	
" " No. 3.	65.2	70.2	
" " No. 4.	66.7	71.3	
" Maximum .	66.7		
" (Set) .	65.8		
" Minimum .	50.1		
" (Set) .	65.5		
" Solar max. .			
" (Set) .			
" Dry bulb . .	67.6	71.8	
" Wet " . . .	64.0	63.7	
Rain gauge C . . .	0		
Wind, force & direction.	4 <sup>e</sup> SW	6 <sup>e</sup> SW	
Clouds, amount & kind.	10 Pm Fm	2 haze Fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		71.4	60.2
" No. 3 .		70.6	59.5
" No. 4 .	54.6	71.8	59.9



SEPTEMBER, 15 1874.

	10 A. M.	4 P. M.
Barometer . . .	30.248	30.170
Thermometer attached.	65.7	71.3
" external No. 2.	69.0	71.9
" " No. 3.	67.6	71.2
" " No. 4.	68.6	72.5
" Maximum .	71.2	
" " (Set) .	68.3	
" Minimum .	54.6	
" " (Set) .	68.0	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	70.2	72.7
" Wet " . . .	62.3	64.1
Rain gauge C . .	0	
Wind, force & direction.	6 <sup>e</sup> S	5 <sup>e</sup> S
Clouds, amount & kind.	5 Pm Fm haze	10 Pm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		73.8	66.2
" " No. 3 .		73.3	65.4
" " No. 4 .	59.0	74.3	65.0

SEPTEMBER, 16 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.195	30.190	
Thermometer attached.	69.0	70.5	
" external No. 2.	68.9	71.2	
" " No. 3.	67.9	70.6	
" " No. 4.	69.0	71.7	
" Maximum .	74.8		
" " (Set) .	68.5		
" Minimum .	64.2		
" " (Set) .	67.9		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	69.9	72.3	
" Wet " . . . .	66.5	66.8	78
Rain gauge C . . .	0		
Wind, force & direction.	0 <sup>th</sup> calm	0 <sup>th</sup> S	
Clouds, amount & kind.	10 Pm	10 Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		72.7	67.6
" No. 3 .		72.0	66.7
" No. 4 .	66.5	73.2	67.0

A few drops  
of rain about  
9  $\frac{1}{2}$  A.M. and  
at times later



SEPTEMBER, 17 1874.

	10 A. M.	4 P. M.	
Barometer	30.326	30.310	
Thermometer attached.	67.4	66.8	
" external No. 2.	61.5	60.8	
" " No. 3.	60.6	60.0	
" " No. 4.	61.6	60.7	
" Maximum	72.1		
" " (Set)	61.8		A little rain about 12½ P.M.
" Minimum	59.7		
" " (Set)	60.8		
" Solar max.			
" " (Set)			
" Dry bulb	62.6	61.8	95
" Wet "	60.1	59.8	
Rain gauge C	0		
Wind, force & direction.	7 <sup>e</sup> NE	8 <sup>e</sup> NE	
Clouds, amount & kind.	10 P.m.; a little fine rain	10 P.m.; a little fine rain	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		60.7	59.0
" " No. 3		59.9	58.3
" " No. 4	60.8	60.6	58.8

SEPTEMBER, 18 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.349	30.339	
Thermometer attached.	64.4	64.8	
" external No. 2.	61.1	58.4	
" " No. 3.	60.2	58.2	
" " No. 4.	61.0	58.7	
" Maximum .	62.0		At 10 A. M. Gauge A 49 $\frac{1}{2}$ ounces 0.427 inches
" (Set) .	61.0		
" Minimum .	57.1		
" (Set) .	60.4		
" Solar max. .			
" (Set) .			
" Dry bulb . .	62.2	59.8	90
" Wet " . . .	58.6	57.0	
Rain gauge C . . .	4 $\frac{5}{8}$ ounces 0.408 inches		
Wind, force & direction.	11 <sup>2</sup> E	11 <sup>2</sup> E	
Clouds, amount & kind.	10 Pm; a little rain	10 Pm; a few drops of rain	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		59.4	59.0
" No. 3 .		59.1	58.4
" No. 4 .	60.0	60.0	58.8



SEPTEMBER, 19 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.343	30.268	
Thermometer attached.	63.4	64.0	
" external No. 2.	59.4	57.9	
" " No. 3.	59.0	57.0	
" " No. 4.	59.9	57.8	
" Maximum .	61.0		Gauge A
" " (Set) .	59.0		At 8 1/2 A.M.
" Minimum .	57.3		26 ounces
" " (Set) .	59.1		0.224 inches
" Solar max. .			
" " (Set) .			
" Dry bulb . .	61.1	58.8	92
" Wet " . . .	58.2	56.3	
Rain gauge C . . .	2 5/8 ounces 0.232 inches		
Wind, force & direction.	12° NE	6° NE	
Clouds, amount & kind.	10 Pm	10 Pm a little fine rain	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		59.8	57.3
" No. 3 .		58.8	56.6
" No. 4 .	58.2	59.6	57.2

SEPTEMBER, 20 1874.

	10 A. M.	4 P. M.
Barometer . . . . .	30.090	30.017
Thermometer attached.	62.2	64.8
" external No. 2.	60.5	65.2
" " No. 3.	59.7	64.6
" " No. 4.	60.5	65.4
" Maximum .	59.9	
" (Set) .	60.0	
" Minimum .	55.7	
" (Set) .	59.7	
" Solar max. .		
" (Set) .		
" Dry bulb . . .	61.7	66.4
" Wet " . . . .	59.5	63.7
Rain gauge C . . .	0 $\frac{1}{4}$ ounces 0.022 inches	
Wind, force & direction.	5 <sup>c</sup> N	0 <sup>e</sup> E
Clouds, amount & kind.	10 Pm mist	10 Pm a little mist

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		64.9	62.9
" No. 3 .		64.1	62.3
" No. 4 .	57.3	65.1	62.9



SEPTEMBER, 21 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.100	30.086	
Thermometer attached.	63.5	67.3	
" external No. 2.	60.4	64.5	
" " No. 3.	59.7	63.8	
" " No. 4.	60.2	64.4	
" Maximum .	65.0		
" " (Set) .	60.0		
" Minimum .	54.4		
" " (Set) .	59.7		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	61.6	65.4	
" Wet " . . .	52.2	52.4	
Rain gauge C . . .	1 ounce 0.088 inches		
Wind, force & direction.	6 <sup>th</sup> N	6 <sup>th</sup> NW	
Clouds, amount & kind.	8 Pm fog R Rs	2 R Rs	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		65.9	53.0
" No. 3 .		65.0	52.7
" No. 4 .	55.0	65.5	52.8

At 10 A.M.  
Gauge A  
11 <sup>3</sup>/<sub>4</sub> ounces  
0.101 inches

SEPTEMBER, 22 1874.

	10 A. M.	4 P. M.
Barometer . . .	30.251	30.248
Thermometer attached.	57.6	65.1
" external No. 2.	56.6	60.0
" " No. 3.	55.5	59.0
" " No. 4.	55.9	59.4
" Maximum .	65.1	
" " (Set) .	56.2	
" Minimum .	42.4	
" " (Set) .	55.6	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	57.6	60.8
" Wet " . . .	49.2	51.9
Rain gauge C . . .	0	
Wind, force & direction.	0 E	3 SE
Clouds, amount & kind.	0 M 7m Rs	0 Rs haze

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		61.2	51.0
" No. 3 .		60.2	49.9
" No. 4 .	44.0	60.8	49.8



SEPTEMBER, 23 1874.

	10 A. M.	4 P. M.
Barometer . . . .	30.258	30.216
Thermometer attached.	57.6	67.2
" external No. 2.	60.0	66.9
" " No. 3.	58.8	66.0
" " No. 4.	59.0	66.7
" Maximum .	60.8	
" " (Set) .	59.3	
" Minimum .	42.9	
" " (Set) .	59.2	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	61.1	67.7
" Wet " . . .	53.5	57.8
Rain gauge C . . .	0	
Wind, force & direction.	3 <sup>e</sup> NW	3 <sup>e</sup> SE
Clouds, amount & kind.	0 Rs	0 fm haze

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		68.0	57.9
" No. 3 .		67.0	57.0
" No. 4 .	44.8	67.7	57.3

SEPTEMBER, 24 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.302	30.267	
Thermometer attached.	61.0	69.5	
" external No. 2.	62.6	66.8	
" " No. 3.	61.1	65.9	
" " No. 4.	61.7	66.5	
" Maximum .	67.7		
" " (Set) .	61.6		
" Minimum .	45.0		
" " (Set) .	62.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	63.9	67.6	
" Wet " . . .	56.7	60.3	
Rain gauge C . . .	0		
Wind, force & direction.	0 calm	1° SE	
Clouds, amount & kind.	1 Ps haze	5 Pm 7m Rs	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		66.0	59.5
" No. 3 .		65.5	58.8
" No. 4 .	47.2	65.8	59.2



SEPTEMBER, 25 1874.

1874phae.proj..373.

	10 A. M.	4 P. M.	
Barometer . . . .	30.247	30.174	
Thermometer attached.	62.3	71.8	
" external No. 2.	64.4	75.0	
" " No. 3.	63.0	74.1	
" " No. 4.	63.9	74.5	
" Maximum .	68.2		
" " (Set) .	63.8		
" Minimum .	50.1		
" " (Set) .	63.8		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	65.7	75.7	
" Wet " . . . .	61.0	62.2	
Rain gauge C . . .	0		
Wind, force & direction.	0° SW	0° NW	
Clouds, amount & kind.	1 Rs haze	1 Rs haze	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		74.1	61.0
" " No. 3 .		73.2	60.2
" " No. 4 .	53.6	74.0	60.8

9.30

SEPTEMBER, 26 1874.

	10 A. M.	3 <sup>3</sup> / <sub>4</sub> P. M.	
Barometer . . . .	30.174	30.134	
Thermometer attached.	64.9	72.1	
" external No. 2.	67.1	67.7	
" " No. 3.	65.9	66.8	
" " No. 4.	66.5	67.3	
" Maximum .	79.5		
" " (Set) .	66.7		
" Minimum .	53.0		
" " (Set) .	66.4		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	68.4	68.2	
" Wet " . . .	61.6	61.8	73
Rain gauge C . . .	0		
Wind, force & direction.	0 <sup>c</sup> W	4 <sup>c</sup> E	
Clouds, amount & kind.	0 haze	2 haze	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		70.4	61.0
" No. 3 .		69.8	60.0
" No. 4 .	55.5	70.4	60.2



SEPTEMBER, 27 1874.

	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 .			53.1
" No. 3 .			52.3
" No. 4 .	57.8		52.7

SEPTEMBER, 28 1874.

	10 A. M. 1 P. M.	4 P. M.	
Barometer . . . . .	29.873	29.806	
Thermometer attached.	66.1	67.0	
" external No. 2.	59.2	62.5	
" " No. 3.	58.6	61.8	
" " No. 4.	59.4	62.5	
" Maximum .	74.2		
" " (Set) .	59.1		
" Minimum .	50.5		
" " (Set) .	58.2		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	60.4	63.7	<del>3.5</del> 86
" Wet " . . . .	56.8	59.0	<del>82</del>
Rain gauge C . . .	0 <sup>1</sup> / <sub>8</sub> inches 0.011 inches		
Wind, force & direction.	7 <sup>th</sup> N	4 <sup>th</sup> N	
Clouds, amount & kind.	10 Pm	10 Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		60.1	62.4
" No. 3 .		59.2	61.6
" No. 4 .	52.5	60.0	62.3



SEPTEMBER, 29 1874.

	10 A. M.	4 P. M.
Barometer	29.777	29.588
Thermometer attached.	63.9	69.8
" " No. 2.	63.0	61.0
" " No. 3.	62.4	60.2
" " No. 4.	63.2	61.0
" Maximum	62.6	
" " (Set)	62.4	
" Minimum	55.4	
" " (Set)	62.2	
" Solar max.		
" " (Set)		
" Dry bulb	64.0	62.0
" Wet "	60.9	60.3
Rain gauge C	0 $\frac{1}{8}$ ounces 0.011 inches	5 $\frac{3}{4}$ ounces 0.474 inches
Wind, force & direction.	0 calm	6° NE
Clouds, amount & kind.	10 Pm raining	10 Pm raining

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		61.0	61.3
" " No. 3		60.2	60.6
" " No. 4	59.6	60.9	61.3

Gauge A  
at 4 P.M.  
62 ounces  
0.534 inches

~~1.9~~  
~~0.5~~  
70  
97

Raining in the  
evening and  
most of the day

SEPTEMBER, 30 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.375	29.484	
Thermometer attached.	64.1	67.3	
" external No. 2.	60.1	60.4	
" " No. 3.	59.1	59.6	
" " No. 4.	59.8	60.0	
" Maximum .	63.5		
" " (Set) .	59.3		
" Minimum .	55.7		
" " (Set) .	59.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	61.1	61.2	7.0 65 7.3 63
" Wet " . . .	52.9	52.7	
Rain gauge C . . .	3 $\frac{1}{4}$ ounces x 0.276 inches		
Wind, force & direction.	15 <sup>c</sup> W	15 <sup>c</sup> W	
Clouds, amount & kind.	8 Pm M Fm	3 Pm M Fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		62.7	52.4
" No. 3 .		62.0	52.0
" No. 4 .	56.2	62.6	52.3

At 4 P.M.,  
Gauge A  
34  $\frac{1}{2}$  ounces  
0.295 inches

x At 4 P.M. Sept. 29  
Gauge C 0.474  
At 10 A.M. Sept. 30 0.276  
In all 0.750

W. C. W. obs



OCTOBER, 1 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.786	29.833	
Thermometer attached.	57.6	62.5	
" external No. 2.	52.2	57.3	
" " No. 3.	51.6	56.7	
" " No. 4.	51.9	57.0	
" Maximum .	63.9		
" " (Set) .	52.2		
" Minimum .	44.7		
" " (Set) .	51.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	52.8	58.0	<del>7.3 5.8</del> <del>9.7 5.2</del>
" Wet " . . .	44.2	47.0	
Rain gauge C . . .	0		
Wind, force & direction.	8 <sup>th</sup> W	13 <sup>e</sup> W	
Clouds, amount & kind.	5 Pm 11 Am	3 Pm 10 Am Pm 7m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		58.4	49.8
" No. 3 .		57.2	49.0
" No. 4 .	45.7	58.0	48.6

OCTOBER, 2 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.764	29.651	
Thermometer attached.	59.0	63.9	
" external No. 2.	61.9	58.1	
" " No. 3.	61.0	57.4	
" " No. 4.	61.9	57.9	
" Maximum .	61.2		A few drops of rain in the forenoon. shower at 2 P.M. slight shower with squall from the west about sunset.
" (Set) .	61.0		
" Minimum .	44.8		
" (Set) .	61.1		
" Solar max. .			
" (Set) .			
" Dry bulb . . .	62.9	59.0	<del>5.4 72</del> <del>17 90</del>
" Wet " . . . .	56.3	56.0	
Rain gauge C . . .	0		
Wind, force & direction.	18° S	4° SW	
Clouds, amount & kind.	10 Pm	8 Pm Fin	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		62.2	50.4
" No. 3 .		61.7	49.1
" No. 4 .	53.5	62.3	49.5



OCTOBER, 3, 1874

1874phae.proj..373.

187

	10 A. M.	4 P. M.
Barometer . . . .	30.010	30.049
Thermometer attached.	57.4	62.0
" external No. 2.	54.8	58.9
" " No. 3.	53.7	58.0
" " No. 4.	54.0	58.4
" Maximum .	62.3	
" " (Set) .	54.7	
" Minimum .	44.2	
" " (Set) .	53.8	
" Solar max. .		
" " (Set) .		
" Dry bulb . . .	55.5	59.6
" Wet " . . . .	48.0	49.2
Rain gauge C . . .	3 $\frac{1}{4}$ ounces 0.276 inches	
Wind, force & direction.	5 <sup>th</sup> W	8 <sup>th</sup> N
Clouds, amount & kind.	5 M fm	0 fm

	7 A. M.	2 $\frac{3}{4}$ P. M.	9 P. M.
Thermometer No. 2 .		59.0	48.3
" No. 3 .		58.3	47.6
" No. 4 .	46.2	58.8	47.7

At 4 P.M.  
Gauge A  
33 ounces  
0.285 inches

~~6.2~~  
~~9.1~~  
~~5.5~~  
~~5.6~~

Aurora; high  
arch at 7  $\frac{1}{2}$  P.M.  
passing through S  
and E hrs. Maj;  
flashing streamers  
at 11 P.M. reaching  
about to the zenith

OCTOBER, 4 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.288	30.266	
Thermometer attached.	60.7	66.1	
" external No. 2.	50.1	54.0	
" " No. 3.	49.2	53.7	
" " No. 4.	49.8	54.1	
" Maximum .	58.9		
" " (Set) .	51.6		
" Minimum .	41.2		
" " (Set) .	49.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	57.1	54.8	
" Wet " . . .	* 49.1	* 52.2	
Rain gauge C . . .			0.7 95
Wind, force & direction.	2 N.W	1 N.W	1.3 91
Clouds, amount & kind.	1 Lim	9 P.M.	
	7 A. M.	3 P. M.	9 P. M.
Thermometer No. 2 .		55.1	44.6
" No. 3 .		49.8	43.8
" No. 4 .	41.7	55.6	43.6

Auroral arch  
in the evening  
noticed at 7 P.M.  
and at 10 P.M.

0.7 95  
1.3 91

\* Wet bulbs  
possibly read 5  
degrees too high.  
The day was not  
apparently damp.



OCTOBER, 5<sup>th</sup> 1874.

	10 A. M.	4 P. M.		
Barometer . . . .	30.300	30.235		
Thermometer attached.	56.9	62.3		
" external No. 2.	50.7	55.9		
" " No. 3.	49.7	55.0		
" " No. 4.	50.0	55.5		
" Maximum .	55.4			
" " (Set) .	50.6			
" Minimum .	35.9			
" " (Set) .	49.7			
" Solar max. .				
" " (Set) .				
" Dry bulb . . .	51.6	56.5	6.8	54
" Wet " . . . .	44.8	49.0	7.5	54
Rain gauge C . . .	0			
Wind, force & direction.	3 <sup>rd</sup> NW	2 <sup>nd</sup> E		
Clouds, amount & kind.	4 M 7 m	2 P m 7 m		
	7 A. M.	2 P. M.	9 P. M.	
Thermometer No. 2 .		56.7	49.2	
" No. 3 .		56.0	48.4	
" No. 4 .	37.0	56.7	48.0	

OCTOBER, 6 1874.

	10 A. M.	4 P. M.	
Barometer . . .	30.260	30.254	
Thermometer attached.	59.3	70.1	
" external No. 2.	53.9	59.4	
" " No. 3.	52.9	58.8	
" " No. 4.	53.2	59.4	
" Maximum .	56.8		
" " (Set) .	53.5		
" Minimum .	39.7		
" " (Set) .	52.9		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	55.1	60.1	63
" Wet " . . .	48.1	51.7	58
Rain gauge C . . .	0		
Wind, force & direction.	3° SE	2° SE	
Clouds, amount & kind.	3 P. R. 7m	10 P. m 7m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		59.0	50.4
" No. 3 .		58.6	49.7
" No. 4 .	41.3	58.9	49.7



OCTOBER, 7 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.402	30.392	
Thermometer attached.	65.5	69.0	
" external No. 2.	57.3	57.1	
" " No. 3.	56.1	56.6	
" " No. 4.	57.1	56.9	
" Maximum .	60.1		
" " (Set) .	56.8		
" Minimum .	44.8		
" " (Set) .	56.2		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	58.6	58.0	72
" Wet " . . . .	52.7	53.8	82
Rain gauge C . . .	0		
Wind, force & direction.	7 <sup>2</sup> S E	8 <sup>2</sup> E	
Clouds, amount & kind.	10 Pm Im	10 Pm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		59.0	51.3
" No. 3 .		58.2	50.4
" No. 4 .	45.2	58.7	50.5

OCTOBER, 8 1874.

	10 A. M.	5 4 P. M.	
Barometer . . . . .	30.281	30.100	
Thermometer attached.	63.7	65.9	
" external No. 2.	58.3	56.6	
" " No. 3.	57.7	55.9	
" " No. 4.	58.1	56.4	
" Maximum .	60.0		
" " (Set) .	58.0		
" Minimum .	49.2		
" " (Set) .	57.5		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	59.3	57.2	72
" Wet " . . .	54.2	51.2	70
Rain gauge C . . .	0		
Wind, force & direction.	11 <sup>e</sup> E	7 <sup>e</sup> NE	
Clouds, amount & kind.	7 Pm 7m R	10 Pm 7m R	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .			54.2
" No. 3 .			53.5
" No. 4 .	52.4		53.8



OCTOBER, 9 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.880	29.852	
Thermometer attached.	65.0	69.8	
" external No. 2.	55.0*	64.0	* Bull web
" " No. 3.	54.8	63.7	
" " No. 4.	55.8	64.0	
" Maximum .	60.0		
" " (Set) .	55.1		
" Minimum .	48.9		At 10 A.M.
" " (Set) .	54.4		Gauge A
" Solar max. .			39 <sup>3</sup> / <sub>4</sub> ounces
" " (Set) .			0.33 <sup>3</sup> / <sub>4</sub> inches
" Dry bulb . . .	56.7	65.0	89
" Wet " . . . .	53.7	56.8	6.2
Rain gauge C . . .	4 ounces 0.353 inches		
Wind, force & direction.	4 <sup>e</sup> W	2 <sup>e</sup> SW	
Clouds, amount & kind.	6 Pm 7m.	4 Pm M 7m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		64.0	57.0
" No. 3 .		63.2	56.3
" No. 4 .	49.5	64.0	56.9

OCTOBER, 10 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.876	29.680	
Thermometer attached.	62.2	68.4	
" external No. 2.	57.0	61.9	
" " No. 3.	56.0	61.0	
" " No. 4.	56.7	61.6	
" Maximum .	64.0		Rain in the middle of the day At 4 P.M. Gauge A 35 $\frac{3}{8}$ ounces 0.305 inches
" (Set) .	56.7		
" Minimum .	46.9		
" (Set) .	56.0		
" Solar max. .			
" (Set) .			
" Dry bulb . .	58.2	62.6	91
" Wet " . . .	55.6	60.1	93
Rain gauge C . . .	0	3 $\frac{1}{4}$ ounces 0.287 inches	
Wind, force & direction.	1 <sup>st</sup> S	6 <sup>th</sup> SW	
Clouds, amount & kind.	10 Pm mist	10 Pm Fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		58.0	60.0
" No. 3 .		57.6	59.1
" No. 4 .	50.0	58.2	59.0



OCTOBER, 11 1874.

31 50 grad. mer.  
4

	10 A. M.	4 P. M.	
Barometer . . . .	29.762	29.778	
Thermometer attached.	61.4	58.7	A very few drops in the bottom of bottle.
" external No. 2.	61.0	61.5	
" " No. 3.	60.2	60.7	
" " No. 4.	60.8	61.4	
" Maximum .	60.7		
" " (Set) .	60.4		
" Minimum .	51.6		
" " (Set) .	60.7		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	62.2	62.2	47
" Wet " . . .	53.1	51.6	48
Rain gauge C . . .	x		x At 4 P. M.
Wind, force & direction.	SE 3	HSW	Oct. 10
Clouds, amount & kind.	Low RS 5		Gauge C 0.257 inches
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		61.0	51.1
" No. 3 .		60.0	50.5
" No. 4 .	53.3	60.7	50.4

OCTOBER, 12 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.968	29.970	
Thermometer attached.	62.0	66.4	
" external No. 2.	54.2	57.7	
" " No. 3.	53.1	56.9	
" " No. 4.	53.4	57.2	
" Maximum .	63.6		
" " (Set) .	53.8		
" Minimum .	40.9		
" " (Set) .	53.3		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	55.2	58.3	58
" Wet " . . . .	47.5	47.3	42
Rain gauge C . . .	0		
Wind, force & direction.	3 <sup>e</sup> W	8 <sup>e</sup> W	
Clouds, amount & kind.	0	2 M 7m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		58.6	46.8
" No. 3 .		57.9	46.1
" No. 4 .	42.2	58.4	46.0



OCTOBER, 13 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.182	30.202	
Thermometer attached.	58.6	71.2	
" external No. 2.	44.3	46.9	
" " No. 3.	43.3	46.1	
" " No. 4.	44.0	46.8	
" Maximum .	59.3		
" " (Set) .	44.4		
" Minimum .	37.1		
" " (Set) .	43.2		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	45.0	47.4	57
" Wet " . . . .	38.4	39.6	51
Rain gauge C . . .	0		
Wind, force & direction.	6 <sup>e</sup> N	5 <sup>e</sup> N	
Clouds, amount & kind.	10 Pm	90 Pm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		47.5	41.5
" " No. 3 .		46.8	40.6
" " No. 4 .	<del>59.3</del>	47.5	40.5

37.2

OCTOBER, 14 1874

	10 A. M.	4 P. M.	
Barometer . . . .	30.206	30.190	
Thermometer attached.	61.8	61.4	
" external No. 2.	43.8	50.0	
" " No. 3.	42.8	49.1	
" " No. 4.	43.4	49.7	
" Maximum .	47.7		
" " (Set) .	43.7		
" Minimum .	32.0		
" " (Set) .	42.8		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	44.5	50.8	68
" Wet " . . .	38.9	41.7	54
Rain gauge C . . .	0		
Wind, force & direction.	8 <sup>th</sup> N	7 <sup>th</sup> N	
Clouds, amount & kind.	9 Pm fm	5 Pm fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		50.0	41.3
" No. 3 .		49.0	40.4
" No. 4 .	33.2	49.8	40.4



OCTOBER, 15 1874.

1874phae.proj..373.

	11 <sup>1</sup> / <sub>2</sub> A. M.	4 P. M.	
Barometer . . . .	30.349	30.251	
Thermometer attached.	66.5	71.2	
" external No. 2.	50.2	57.3	
" " No. 3.	49.2	56.8	
" " No. 4.	49.6	56.9	
" Maximum .	49.8		Low auroral arch at 10 P.M.
" " (Set) .	49.8		
" Minimum .	34.6		
" " (Set) .	49.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	51.0	58.1	52
" Wet " . . . .	42.9	47.2	43
Rain gauge C . . .	0		
Wind, force & direction.	4 <sup>e</sup> SW	5 <sup>e</sup> SW	
Clouds, amount & kind.	5 R Rs	1 Rs	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		56.2	49.2
" " No. 3 .		55.2	46.8
" " No. 4 .	35.0	55.8	46.6

OCTOBER. 16 1874.

	10 A. M.	4 P. M.	
Barometer . . .	30.191	30.070	
Thermometer attached.	61.7	67.1	
" external No. 2.	53.6	63.0	
" " No. 3.	52.3	62.4	
" " No. 4.	52.5	62.6	
" Maximum .	57.0		
" (Set) .	53.0		
" Minimum .	41.3		
" (Set) .	52.8		
" Solar max. .			
" (Set) .			
" Dry bulb . .	53.8	63.8	57
" Wet " . . .	46.1	49.8	33
Rain gauge C . . .	0		
Wind, force & direction.	2° SW	4° SW	
Clouds, amount & kind.	0 Rs	1 R Rs	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		64.2	<del>74.5</del> 50.0
" No. 3 .		63.3	49.0
" No. 4 .	52.2	63.8	48.6



OCTOBER, 17 1874.

	10 A. M.	4 P. M.	
Barometer	29.920	29.790	
Thermometer attached.	56.7	66.5	
" external No. 2.	56.0	62.1	
" " No. 3.	54.7	61.7	
" " No. 4.	55.1	62.2	
" Maximum	63.8		
" (Set)	55.4		
" Minimum	38.6		
" (Set)	55.0		
" Solar max.			
" (Set)			
" Dry bulb	57.1	63.2	60
" Wet	49.4	52.0	46
Rain-gauge C	0		
Wind, force & direction.	8° SW	6° SW	
Clouds, amount & kind.	5 R & R	10 Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		65.4	55.8
" No. 3		64.4	55.0
" No. 4	41.0	65.4	54.9

OCTOBER, 18 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.586	29.580	x Height of bottle and water
Thermometer attached.	61.6	65.7	Hence weight of water
" external No. 2.	59.0	53.4	0 1/2 ounces
" " No. 3.	58.1	52.8	0.0114 inches
" " No. 4.	58.7	53.2	
" Maximum .	64.8		
" " (Set) .	57.0		
" Minimum .	52.7		
" " (Set) .	xx 52.8		xx Evidently 57.8
" Solar max. .			
" " (Set) .			
" Dry bulb . .	55.0	53.9	84
" Wet " . . .	54.3	45.2	51
Rain gauge C . . .		15 7/8 oz x	
Wind, force & direction.	4 N NW	15 N	
Clouds, amount & kind.	10 P m	8 M. Partly	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		58.7	45.1
" No. 3 .		57.8	44.1
" No. 4 .	52.7	58.4	43.8



OCTOBER, 19 1874.

1874phae.proj..373.

	10 A. M.	4 P. M.	
Barometer . . . .	29.787	29.775	} Barometer Newman 68 ; N. 57 dismounted
Thermometer attached.	65.9	51.6	
" external No. 2.	44.3	45.8	
" " No. 3.	43.4	45.0	
" " No. 4.	43.9	45.4	
" Maximum .	58.0		At 4 P.M., Gauge A 4 <sup>3</sup> / <sub>16</sub> inches 0.041 inches
" " (Set) .	44.2		
" Minimum .	37.3		
" " (Set) .	43.2		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	45.0	46.2	54
" Wet " . . .	38.0	38.5	50
Rain gauge C . . .	0		
Wind, force & direction.	13 <sup>e</sup> NW	15 <sup>e</sup> NW	
Clouds, amount & kind.	9 P. R. Fm M	9 P. R. Fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		46.5	39.2
" No. 3 .		45.9	38.2
" No. 4 .	37.8	46.3	37.6

OCTOBER, 20 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.002	29.961	
Thermometer attached.	46.0	54.0	
" external No. 2.	49.8	59.9	
" " No. 3.	48.5	59.0	
" " No. 4.	48.8	59.6	
" Maximum .	48.9		
" " (Set) .	49.0		
" Minimum .	31.5		
" " (Set) .	48.8		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	50.6	60.7	47
" Wet " . . . .	41.7	49.5	44
Rain gauge C . . . .	0		
Wind, force & direction.	5 <sup>e</sup> W	7 <sup>e</sup> SW	
Clouds, amount & kind.	8 Fm haze	7 Pm Fm Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		58.8	53.9
" No. 3 .		58.3	52.8
" No. 4 .	33.7	58.8	53.4



OCTOBER, 21 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.318	30.338	
Thermometer attached.	54.0	57.8	Rain
" external No. 2.	52.2	56.0	previous night
" " No. 3.	51.6	55.5	
" " No. 4.	52.0	55.6	At 9 $\frac{1}{2}$ A.M.
" Maximum .	59.6		Gauge A
" " (Set) .	52.0		3 $\frac{1}{2}$ ounces
" Minimum .	48.8		0.030 inches
" " (Set) .	51.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	53.1	56.7	66
" Wet " . . .	47.0	47.7	43
Rain gauge C . . .	0 $\frac{1}{2}$ ounces 0.044 inches		
Wind, force & direction.	4 <sup>th</sup> W	1 <sup>st</sup> SW	
Clouds, amount & kind.	10 Pm	0 haze	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		54.7	44.0
" No. 3 .		53.9	43.0
" No. 4 .	51.0	54.3	42.7

OCTOBER, 22<sup>1874</sup>.

	10 A. M.	4 P. M.	
Barometer . . . .	30.324	30.250	
Thermometer attached.	48.7	57.7	
" external No. 2.	51.0	61.5	
" " No. 3.	49.4	60.8	
" " No. 4.	49.2	60.8	
" Maximum .	55.6		
" (Set) .	50.2		
" Minimum .	35.1		
" (Set) .	49.9		
" Solar max. .			
" (Set) .			
" Dry bulb . .	52.1	62.4	47
" Wet " . . .	43.0	47.8	29
Rain gauge C . . .	0		
Wind, force & direction.	0 <sup>2</sup> W	1 <sup>2</sup> W	
Clouds, amount & kind.	0	0	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		61.0	47.8
" No. 3 .		60.1	47.2
" No. 4 .	35.2	60.5	46.5



OCTOBER, 23 1874.

1874phae.proj...373.

	10 A. M.	4 P. M.	
Barometer . . . .	30.458		
Thermometer attached.	49.8		
" external No. 2.	57.6		
" " No. 3.	50.2		
" " No. 4.	50.9		
" Maximum .	61.2		
" " (Set) .	51.2		
" Minimum .	36.1		
" " (Set) .	50.2		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	52.6		65
" Wet " . . . .	46.1		
Rain gauge C . . .	0		
Wind, force & direction.	3 <sup>rd</sup> NE		
Clouds, amount & kind.	0 large fm		
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		54.0	44.0
" No. 3 .		52.9	43.0
" No. 4 .	37.5	53.5	43.0

OCTOBER, 24 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.527	30.469	
Thermometer attached.	50.4	57.7	
" external No. 2.	52.1	55.0	
" " No. 3.	51.0	54.1	
" " No. 4.	52.0	54.6	
" Maximum .	54.2		
" " (Set) .	52.0		
" Minimum .	33.7		
" " (Set) .	51.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	53.6	55.8	80
" Wet " . . .	49.3	51.1	77
Rain gauge C . . .	0		
Wind, force & direction.	0° SE	5° NE	
Clouds, amount & kind.	10 Pm. 7m	2 haze	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		59.4	58.4
" No. 3 .		58.2	57.5
" No. 4 .	38.5	58.5	57.2



OCTOBER, 25 1874.

	10 A. M.	4 P. M. 25
Barometer . . . .	x	x
Thermometer attached.	66.3	72.2
" external No. 2.	52.0	62.7
" " No. 3.	50.9	61.9
" " No. 4.	51.4	62.6
" Maximum .	56.3	
" " (Set) .	53.0	
" Minimum .	42.2	
" " (Set) .	51.3	
" Solar max. .		
" " (Set) .		
" Dry bulb . . .	52.0	63.7
" Wet " . . . .	50.0	54.9
Rain gauge C . . .	0	
Wind, force & direction.	1 S E	1 S S E.
Clouds, amount & kind.	R. Rm 7	3 R. R 7 Rm

Too high to be read; this means that the dismounted barometer was looked at. It is now leaning against the wall.

95  
59

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		64.3	53.9
" No. 3 .		63.7	53.2
" No. 4 .	43.0	64.2	52.9

OCTOBER, 26 1874.

	10 A. M.	3 1/2 P. M.	
Barometer . . . . .	30.244	30.162	
Thermometer attached.	54.0	62.0	
" external No. 2.	55.4	65.4	
" " No. 3.	54.0	65.0	
" " No. 4.	54.4	65.5	
" Maximum .	64.7		
" (Set) .	52.8		
" Minimum .	45.1		
" (Set) .	54.4		
" Solar max. .			
" (Set) .			
" Dry bulb . .	56.8	66.2	83
" Wet " . . .	52.9	57.0	58
Rain gauge C . . .	0		
Wind, force & direction.	2° S W	2° E	
Clouds, amount & kind.	1 R haze	1 haze	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		66.6	52.7
" No. 3 .		65.8	51.9
" No. 4 .	46.0	66.1	51.5



OCTOBER, 27 1874.

	9 <sup>45</sup> 10 A. M.	4 P. M.	
Barometer	29.974	29.868	
Thermometer attached.	54.8	60.3	
" external No. 2.	58.0	64.0	
" " No. 3.	56.6	63.1	
" " No. 4.	57.2	63.9	
" Maximum	66.0		
" (Set)	57.2		
" Minimum	44.4		
" (Set)	56.9		
" Solar max.			
" (Set)			
" Dry bulb	59.3	65.0	80
" Wet	54.7	58.0	68
Rain-gauge - C	0		
Wind, force & direction.	2 <sup>nd</sup> S E	0 calm	
Clouds, amount & kind.	5 R R R	10 P m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		68.1	56.5
" No. 3		67.9	55.9
" No. 4	45.7	68.5	55.7

OCTOBER, 28 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.873	29.878	
Thermometer attached.	57.4	63.3	
" external No. 2.	60.3	61.8	
" " No. 3.	57.2	61.0	
" " No. 4.	59.8	61.4	
" Maximum .	68.6		
" " (Set) .	59.8		
" Minimum .	50.6		
" " (Set) .	59.3		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	61.5	62.7	60
" Wet " . . .	53.4	52.4	50
Rain gauge C . . .	0 1/4 inches 0.022 inches		
Wind, force & direction.	7 <sup>e</sup> NW	6 <sup>e</sup> NW	
Clouds, amount & kind.	0	0 Rs	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		62.9	51.6
" No. 3 .		62.0	50.9
" No. 4 .	51.0	62.8	50.6

At 4 P.M.  
Gauge A  
5 1/4 inches  
0.045 inches



OCTOBER, 29 1874.

	10 <sup>5</sup> / <sub>6</sub> 10 A. M.	4 P. M.
Barometer . . . .	29.976	29.858
Thermometer attached.	55.9	62.9
" external No. 2.	58.2	62.2
" " No. 3.	57.0	61.7
" " No. 4.	57.5	62.1
" Maximum .	63.8	
" " (Set) .	58.0	
" Minimum .	44.1	
" " (Set) .	57.0	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	59.3	63.0
" Wet " . . .	53.0	56.6
Rain gauge C . . .	0.022 inches 0.022 inches	
Wind, force & direction.	3 <sup>4</sup> SE	8 <sup>0</sup> S
Clouds, amount & kind.	5 haze fm	2 haze fm

At 4 P.M.  
Gauge A  
Lowers  
0.017 inches

70  
70

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		63.7	58.5
" No. 3 .		63.0	57.9
" No. 4 .	47.2	63.3	57.8

OCTOBER, 30 1874.

	10 A. M.	4 P. M.	
Barometer	29.804	29.833	
Thermometer attached.	59.2	62.9	
" external No. 2.	56.8	58.3	Rain previous night; thunder early in the morning
" " No. 3.	56.0	57.8	
" " No. 4.	56.4	58.0	
" Maximum	63.6		
" (Set)	56.8		At 10 A.M. Gauge A 1 $\frac{1}{8}$ ounces 0.010 inches
" Minimum	54.7		
" (Set)	56.0		
" Solar max.			
" (Set)			
" Dry bulb	57.7	59.0	46
" Wet	47.4	48.4	45
Rain gauge C	0 $\frac{1}{8}$ inches 0.022 inches		
Wind, force & direction.	8 <sup>e</sup> W	6 <sup>e</sup> S W	
Clouds, amount & kind.	1 Pm fm	3 Pm Rm fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		60.7	48.5
" No. 3		59.9	47.9
" No. 4	58.8	60.3	47.5



OCTOBER, 31 1874.

	10 <sup>1</sup> / <sub>2</sub> A. M.	4 P. M.	
Barometer . . . .	29.876	29.836	
Thermometer attached.	52.0	57.7	
" external No. 2.	49.3	50.9	
" " No. 3.	48.1	50.2	
" " No. 4.	48.7	50.5	
" Maximum .	54.9		
" " (Set) .	49.4		
" Minimum .	40.0		
" " (Set) .	48.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	50.2	51.5	50
" Wet " . . . .	41.8	<del>40.7</del>	35
Rain gauge C . . .	0		
Wind, force & direction.	6 <sup>e</sup> W*	5 <sup>e</sup> SW	
Clouds, amount & kind.	6 Pm fm	4 Pm fm haze	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		53.2	40.6
" " No. 3 .		52.8	40.0
" " No. 4 .	42.5	53.2	39.7

NOVEMBER, 1 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.968	29.960	
Thermometer attached.	48.0	55.1	
" external No. 2.	44.0	47.0	
" " No. 3.	43.0	46.3	
" " No. 4.	43.3	46.6	
" Maximum .	53.9		
" " (Set) .	40.1		
" Minimum .	36.7		
" " (Set) .	43.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . . . . .	44.9	47.6	48
" Wet " . . . . .	37.0	38.1	39
Rain gauge C . . . . .	0		
Wind, force & direction.	10 SE *	7 SE *	* SW ?
Clouds, amount & kind.	1/2 m Rain 2	9 H. P m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		47.7	41.7
" No. 3 .		44.0	41.0
" No. 4 .	37.2	47.2	41.2



NOVEMBER, 2 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.173	30.230	
Thermometer attached.	49.5	54.2	
" external No. 2.	43.8	48.0	
" " No. 3.	42.8	47.4	
" " No. 4.	43.0	47.6	
" Maximum .	48.0		
" " (Set) .	44.0		
" Minimum .	34.0		
" " (Set) .	42.5		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	44.4	48.7	52
" Wet " . . .	37.3	39.1	40
Rain gauge C . . .	0		
Wind, force & direction.	5 <sup>e</sup> W	0 calm	
Clouds, amount & kind.	1 fm haze	0 fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		49.6	38.6
" No. 3 .		48.6	38.0
" No. 4 .	34.5	49.0	38.0

NOVEMBER, 3 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.398	30.351	
Thermometer attached.	45.0	52.8	
" external No. 2.	45.1	50.4	
" " No. 3.	43.7	49.8	
" " No. 4.	43.9	49.9	
" Maximum .	49.0		
" " (Set) .	45.0		
" Minimum .	27.9		
" " (Set) .	44.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	46.4	51.0	65
" Wet " . . .	40.7	41.5	43
Rain gauge C . . .	0		
Wind, force & direction.	6 <sup>e</sup> SW	3 <sup>e</sup> S	
Clouds, amount & kind.	<del>15</del> 2 haze	9 thick haze	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		52.9	43.0
" No. 3 .		52.0	42.2
" No. 4 .	28.0	52.5	42.2



NOVEMBER, 4 1874.

1874phae.proj...373.

	10 A. M.	4 P. M.	
Barometer . . . .	30.346	30.289	
Thermometer attached.	46.9	54.0	
" external No. 2.	46.0	54.0	
" " No. 3.	44.5	53.6	
" " No. 4.	44.9	53.5	
" Maximum .	52.2		
" " (Set) .	45.5		
" Minimum .	33.3		
" " (Set) .	44.6		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	46.8	54.2	80
" Wet " . . . .	43.0	47.0	61
Rain gauge C . . .	0		
Wind, force & direction.	5 <sup>th</sup> SW	0 <sup>th</sup> E	
Clouds, amount & kind.	3 thick haze	9 <sup>th</sup> thick haze	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		57.0	45.4
" No. 3 .		56.5	45.0
" No. 4 .	33.7	56.5	45.2

NOVEMBER, 5 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.204	30.054	
Thermometer attached.	48.1	53.2	
" external No. 2.	48.0	56.0	
" " No. 3.	46.7	55.4	
" " No. 4.	47.2	56.0	
" Maximum .	56.5		
" " (Set) .	47.8		
" Minimum .	34.2		
" " (Set) .	46.7		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	49.0	57.0	83
" Wet " . . .	45.5	50.0	64
Rain gauge C . . .	0		
Wind, force & direction.	5 <sup>e</sup> SW	6 <sup>e</sup> SW	
Clouds, amount & kind.	9 Pz Rs haze	10 Pz Rm Ra	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		56.4	51.1
" No. 3 .		55.8	50.3
" No. 4 .	35.0	56.3	50.7



NOVEMBER, 6 1874.

	10 A. M.	4 P. M.
Barometer . . . .	29.888	29.944
Thermometer attached.	53.3	<del>54</del> 59.8
" external No. 2.	59.8	61.1
" " No. 3.	58.8	60.7
" " No. 4.	59.3	61.0
" Maximum .	59.0	
" " (Set) .	59.0	
" Minimum .	46.8	
" " (Set) .	59.0	
" Solar max. .		
" " (Set) .		
" Dry bulb . . .	60.9	62.0
" Wet " . . . .	52.4	45.6
Rain gauge C . . .	0	
Wind, force & direction.	10 <sup>2</sup> SW	13 <sup>2</sup> W
Clouds, amount & kind.	4 haze	0 haze

Apparently faint  
auroral arch about  
6 $\frac{1}{4}$  P.M.

	7 A. M.	3 P. M.	9 P. M.
Thermometer No. 2 .		62.6	51.7
" No. 3 .		61.8	51.0
" No. 4 .	48.7	62.4	51.1

NOVEMBER, 7 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.367	30.396	
Thermometer attached.	51.0	56.2	
" external No. 2.	49.0	51.6	
" " No. 3.	48.0	50.4	
" " No. 4.	48.4	50.4	
" Maximum .	62.7		
" " (Set) .	49.0		
" Minimum .	42.8		
" " (Set) .	48.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	49.8	52.0	49
" Wet " . . . .	41.4	43.9	53
Rain gauge C . . .	0		
Wind, force & direction.	5° N	6° E	
Clouds, amount & kind.	2 haze	1 R haze	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		53.2	46.2
" No. 3 .		52.4	40.8
" No. 4 .	43.0	52.8	40.8



NOVEMBER, 8 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.392	30.243	
Thermometer attached.	48.2	55.2	
" external No. 2.	47.4	56.1	
" " No. 3.	46.9	55.2	
" " No. 4.	47.2	53.9	
" Maximum .	53.1		
" " (Set) .	49.7		
" Minimum .	31.6		
" " (Set) .	47.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	49.2	56.8	75
" Wet " . . .	44.6	48.2	54
" " " . . .	0		
Rain gauge C . . .			
Wind, force & direction.	3 S S E	7 S E	
Clouds, amount & kind.	3 M. Jim	<del>7 S E</del>	9 M Jim
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		57.0	49.2
" No. 3 .		56.1	48.2
" No. 4 .	32.3	56.5	48.7

NOVEMBER, 9 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.924	29.802	
Thermometer attached.	53.0	56.5	
" external No. 2.	56.1	55.5	
" " No. 3.	55.1	55.0	
" " No. 4.	56.0	55.4	
" Maximum .	56.9		
" " (Set) .	55.8		
" Minimum .	45.5		
" " (Set) .	55.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	57.2	56.3	64
" Wet " . . . .	51.8	52.4	83
Rain gauge C . . .	0		
Wind, force & direction.	8° SW	1° W	
Clouds, amount & kind.	8 Pm 7m haze	10 Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		60.0	49.8
" No. 3 .		59.5	49.7
" No. 4 .	46.4	60.1	49.9



NOVEMBER, 10 1874.

	10 A. M.	4 P. M.
Barometer . . . .	29.984	29.916
Thermometer attached.	51.9	59.0
" external No. 2.	51.2	58.5
" " No. 3.	50.1	57.9
" " No. 4.	50.4	58.1
" Maximum .	61.0	
" " (Set) .	51.1	
" Minimum .	39.1	
" " (Set) .	50.1	
" Solar max. .		
" " (Set) .		
" Dry bulb . . .	52.1	59.2
" Wet " . . . .	44.8	47.2
Rain gauge C . . .	0 <sup>3</sup> / <sub>16</sub> ounces 0.016 inches	
Wind, force & direction.	6 <sup>2</sup> SW	3 <sup>2</sup> SW
Clouds, amount & kind.	3 Pm Pm 7m	2 Pm R 7m Pm

At 12 M  
Gauge A  
2 <sup>3</sup>/<sub>4</sub> inches  
0.024 inches

59  
38

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		59.5	52.6
" No. 3 .		58.7	51.0.
" No. 4 .	39.2	59.1	51.6

NOVEMBER, 11 1874.

	10 A. M.	4 1/2 P. M.	
Barometer . . . .	29.691	29.767	
Thermometer attached.	55.2	57.0	
" external No. 2.	57.4	48.0	
" " No. 3.	56.1	47.5	
" " No. 4.	56.9	47.7	
" Maximum .	59.0		
" " (Set) .	56.7		
" Minimum .	46.1		
" " (Set) .	56.2		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	58.5	48.9	63
" Wet " . . .	51.2	37.9	31
Rain gauge C . . .	0		
Wind, force & direction.	4 <sup>e</sup> SW	12 <sup>e</sup> SW	
Clouds, amount & kind.	9 Pm Rm 7m	9 Pm Rm 7m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .			42.9
" No. 3 .			42.0
" No. 4 .	46.5		42.1



NOVEMBER, 12 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.035	30.039	
Thermometer attached.	45.2	47.0	
" external No. 2.	33.9	36.9	
" " No. 3.	33.0	36.3	
" " No. 4.	33.2	36.4	
" Maximum .	59.4		
" " (Set) .	34.6		
" Minimum .	29.1		
" " (Set) .	33.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	34.6	37.4	38
" Wet " . . . .	26.8	28.7	35
Rain gauge C . . . .	0		
Wind, force & direction.	13 <sup>rd</sup> NW	13 <sup>th</sup> NW	
Clouds, amount & kind.	0 fm	0 fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		38.2	
" No. 3 .		37.5	
" No. 4 .	29.0	37.7	

NOVEMBER. 13 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.239	30.292	
Thermometer attached.	37.6	41.7	
" external No. 2.	31.0	32.6	
" " No. 3.	30.1	<del>31.9</del>	
" " No. 4.	30.4	32.1	
" Maximum .	37.9		
" " (Set) .	31.5		
" Minimum .	22.9		
" " (Set) .	29.8		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	31.6	33.0	46
" Wet " . . .	25.0	25.4	38
Rain gauge C . . .	0		
Wind, force & direction.	7 <sup>e</sup> NW	8 <sup>e</sup> NW	
Clouds, amount & kind.	0 M 7m	0 Pm 7m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		34.5	26.3
" No. 3 .		33.9	25.8
" No. 4 .	23.8	34.0	25.9



NOVEMBER, 14 1874.

	10 A. M.	4 P. M.	
Barometer	30.578	30.556	
Thermometer attached.	34.0	39.8	
" external No. 2.	29.1	32.5	
" " No. 3.	28.2	31.9	
" " No. 4.	28.6	32.0	
" Maximum	34.2		
" (Set)	29.4		
" Minimum	20.1		
" (Set)	28.0		
" Solar max.			
" (Set)			
" Dry bulb	29.8	33.0	43
" Wet	23.2	26.1	45
Rain gauge - C	0		
Wind, force & direction.	6 <sup>th</sup> N	6 <sup>th</sup> NW.	
Clouds, amount & kind.	1 M Fm	0	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		32.9	24.9
" No. 3		32.0	24.5
" No. 4	21.0	32.7	23.9

NOVEMBER, / 5 1874.

	10 A. M.	4 P. M.	
Barometer . . .	30.446	30.312	x K. B. These
Thermometer attached.	35.3	39.9	reads higher
" external No. 2.	28.9	39.9	than Nos. 3, 3, 4
" " No. 3.	28.2	38.9	probably on ac-
" " No. 4.	28.7	39.2	count of the win-
" Maximum .	35.8		dow being open-
" " (Set) .	35.8 *		ed.
" Minimum .	15.9		
" " (Set) .	34.4 *		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	39.6 *	40.3	45
" Wet " . . .	32.1	34.0	55
Rain gauge C . . .	0		
Wind, force & direction.	2 S E ?	15 E. S. E. ?	* SW (?)
Clouds, amount & kind.	9 P. Pm	10 P. Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		39.3	38.2
" No. 3 .		38.4	37.6
" No. 4 .	21.3	38.8	37.5



NOVEMBER, 16 1874.

1874phae.proj..373.

	10 A. M.	4 P. M.	
Barometer . . . .	30.441	30.434	
Thermometer attached.	42.0	46.0	
" external No. 2.	44.0	46.8	
" " No. 3.	43.1	46.0	
" " No. 4.	43.5	46.3	
" Maximum .	43.4		
" " (Set) .	43.4		
" Minimum .	31.3		
" " (Set) .	43.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	44.8	47.3	49
" Wet " . . .	37.2	37.0	33
Rain gauge C . . .	0		
Wind, force & direction.	9 <sup>th</sup> NW	7 <sup>th</sup> WW	
Clouds, amount & kind.	0 Pm	3 Rs Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		47.9	33.9
" No. 3 .		46.9	33.5
" No. 4 .	33.3	47.3	33.5

NOVEMBER, 17 1874.

	10 A. M.	4 P. M.	
Barometer . . .	30.480	30.313	
Thermometer attached.	41.6	45.4	
" external No. 2.	40.7	47.9	
" " No. 3.	39.4	47.1	
" " No. 4.	40.3	47.4	
" Maximum .	47.8		
" " (Set) .	40.2		
" Minimum .	30.5		
" " (Set) .	39.6		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	41.7	48.6	65
" Wet " . . .	36.4	42.4	63
Rain gauge C . . .	0		
Wind, force & direction.	1 <sup>st</sup> SW	11 <sup>th</sup> S	
Clouds, amount & kind.	10 Pm	10 Pm 7m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		48.1	48.3
" No. 3 .		47.6	47.3
" No. 4 .	31.2	48.0	47.7



NOVEMBER, 18 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.144	30.079	
Thermometer attached.	50.0	55.2	
" external No. 2.	50.5	55.0	
" " No. 3.	49.6	54.2	At 10 A.M.
" " No. 4.	50.2	54.6	Gauge A
" Maximum .	49.7		28.7 inches
" " (Set) .	49.7		0.249 inches
" Minimum .	39.5		
" " (Set) .	49.3		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	51.5	55.6	90
" Wet " . . . .	48.8	47.0	53
Rain gauge C . . .	2.7 inches 0.254 inches		
Wind, force & direction.	3 <sup>rd</sup> SW	3 <sup>rd</sup> W	
Clouds, amount & kind.	10 Pm	0 7m	
	7 A. M.	2 <sup>1</sup> / <sub>2</sub> P. M.	9 P. M.
Thermometer No. 2 .		56.7	39.4
" No. 3 .		55.9	38.7
" No. 4 .	47.4	56.2	38.9

NOVEMBER, 19 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.276	30.156	
Thermometer attached.	41.2	40.6	
" external No. 2.	28.0	32.0	
" " No. 3.	27.5	31.0	
" " No. 4.	27.9	31.2	
" Maximum .	56.0		
" " (Set) .	29.0		
" Minimum .	25.0		
" " (Set) .	27.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	28.8	32.5	49
" Wet " . . . .	22.9	26.0	48
Rain gauge C . . .	0		
Wind, force & direction.	3 <sup>d</sup> W	1 <sup>c</sup> N	
Clouds, amount & kind.	10 R	0 R 7m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		30.1	26.3
" No. 3 .		29.6	25.8
" No. 4 .	25.0	24.8	25.6



NOVEMBER, 20 1874.

	10 A. M.	4 P. M.
Barometer . . . .	29.780	29.467
Thermometer attached.	34.8	39.0
" external No. 2.	30.1	36.7
" " No. 3.	29.2	35.9
" " No. 4.	29.8	36.2
" Maximum .	31.6	
" " (Set) .	30.4	
" Minimum .	20.0	
" " (Set) .	29.2	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	31.1	37.3
" Wet " . . .	27.4	35.9
Rain gauge C . . .	0	
Wind, force & direction.	1 <sup>st</sup> NE	1 <sup>st</sup> NE
Clouds, amount & kind.	10 Pm Br fm	10 Pm raining

Began Inquiring  
a little before  
1 P.M.

75  
100

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		33.0	32.6
" No. 3 .		32.7	31.6
" No. 4 .	22.0	33.0	31.6

NOVEMBER, 21 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.551	29.669	
Thermometer attached.	39.3	42.0	
" external No. 2.	* 34.7	36.7	* No moisture noticed about the bulb
" " No. 3.	35.0	36.1	
" " No. 4.	35.0	36.2	
" Maximum .	37.8		At 9 A. M.
" " (Set) .	34.9		Gauge A
" Minimum .	29.3		38 $\frac{3}{4}$ ounces
" " (Set) .	34.7		0.334 inches
" Solar max. .			
" " (Set) .			
" Dry bulb . .	36.5	37.4	70
" Wet " . . . .	32.0	37.7	60
Rain gauge C . . .	4 $\frac{3}{8}$ ounces 0.386 inches		
Wind, force & direction.	8 <sup>e</sup> W	4 <sup>e</sup> SW	
Clouds, amount & kind.	3 Pm Im	10 R R	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		39.7	32.0
" No. 3 .		38.9	31.4
" No. 4 .	32.2	39.2	31.3



NOVEMBER, 22, 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.118	30.128	
Thermometer attached.	39.0	39.3	
" extern. No. 2.	29.1	30.7	
" " No. 3.	28.7	30.2	
" " No. 4.	28.8	30.3	
" Maximum .	39.0		
" " (Set) .	31.0		
" Minimum .	25.9		
" " (Set) .	28.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	29.9	31.2	57
" Wet " . . .	24.6	25.6	56
Rain gauge C . . .	0		
Wind, force & direction.	7 N E	NW 3	
Clouds, amount & kind.	R R. R S 4	6 R S R m	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		32.9	26.9
" No. 3 .		32.2	26.1
" No. 4 .	26.3	32.3	26.3

NOVEMBER, 23 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.719	29.146	
Thermometer attached.	36.9	40.0	0.43933
" external No. 2.	38.6	44.9	8.95861
" " No. 3.	37.8	43.7	0.60206
" " No. 4.	38.0	44.3	9.79770
" Maximum .	37.9		9.79770
" " (Set) .	37.9		9.79770
" Minimum .	25.0		Rainfall all 0.628 inches
" " (Set) .	37.4		* At 10 A.M.
" Solar max. .			Snow $2\frac{3}{4}$ inches,
" " (Set) .			wet; 11 inches
" Dry bulb . . .	39.2	46.0	in cylinder $1\frac{1}{8}$
" Wet " . . . .	37.2	44.3	inches across
Rain gauge C . . .	Blocked up x with snow	$4\frac{1}{4}$ ounces 0.375 inches	weigh 4 ounces
Wind, force & direction.	7 N E	0 N E	Gauge C emptied.
Clouds, amount & kind.	10 Pm raining	10 Pm fog and rain	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		44.0	36.8
" No. 3 .		43.6	36.1
" No. 4 .	33.0	44.0	36.3

0.43933  
8.95861  
0.60206  
9.79770  
9.79770  
Rainfall all 0.628 inches  
\* At 10 A.M.  
Snow  $2\frac{3}{4}$  inches,  
wet; 11 inches  
in cylinder  $1\frac{1}{8}$   
inches across  
weigh 4 ounces  
Gauge C emptied.

95  
97

Gauge A  
at 4 P.M.  
67  $\frac{3}{8}$  ounces  
0.581 inches

Barometer at x  
7  $\frac{1}{2}$  P.M. 28.978  
At 7h 44.2

see back of book



NOVEMBER, 24 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.302	29.437	
Thermometer attached.	41.0	43.3	
" external No. 2.	40.4	37.0	
" " No. 3.	39.6	36.6	
" " No. 4.	39.7	36.5	
" Maximum .	44.8		
" " (Set) .	39.6		
" Minimum .	35.2		
" " (Set) .	39.4		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	41.1	37.8	
" Wet " . . . .	34.0	29.9	
Rain gauge C . . .	3 $\frac{3}{8}$ ounces X 0.298 inches		
Wind, force & direction.	12 <sup>e</sup> S W	5 <sup>e</sup> S W	
Clouds, amount & kind.	7 Pm M Fm	1 M Fm Pz Rz	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		39.8	31.6
" No. 3 .		39.0	30.9
" No. 4 .	36.3	39.0	30.9

At 9  $\frac{1}{2}$  A.M.  
Gauge A  
37  $\frac{1}{4}$  ounces  
0.321 inches

49  
23

X Gauge C

at 4 P.M. Nov. 23 0.375  
" 10 A.M. " 24 0.298

In all 0.673 inches

NOVEMBER, 25 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.739	29.762	
Thermometer attached.	35.0	39.4	
" external No. 2.	31.8	33.8	
" " No. 3.	30.9	33.1	
" " No. 4.	30.9	33.2	
" Maximum .	40.0		
" " (Set) .	31.9		
" Minimum .	23.2		
" " (Set) .	30.5		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	32.4	34.4	53
" Wet " . . . .	26.4	27.8	49
	0		
Rain gauge C . . .			
Wind, force & direction.	7 <sup>e</sup> SW	8 <sup>e</sup> W	
Clouds, amount & kind.	0 R	9 pm fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		35.9	30.8
" No. 3 .		34.9	30.2
" No. 4 .	23.8	35.0	30.2



NOVEMBER, 26 1874.

	10 A. M.	4 P. M.
Barometer . . . .	30.136	
Thermometer attached.	35.0	
" external No. 2.	27.4	
" " No. 3.	26.7	
" " No. 4.	26.8	
" Maximum .	35.8	
" " (Set) .	28.0	
" Minimum .	20.6	
" " (Set) .	26.2	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	28.0	
" Wet " . . . .	23.3	
Rain gauge C . . . .	0	
Wind, force & direction.	6 <sup>th</sup> NW	
Clouds, amount & kind.	0	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .			26.4
" No. 3 .			26.2
" No. 4 .	20.3		25.9

NOVEMBER, 27 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.523	30.468	
Thermometer attached.	33.7	41.9	
" external No. 2.	33.5	43.8	
" " No. 3.	31.8	43.1	
" " No. 4.	32.0	43.3	
" Maximum .	32.7		
" " (Set) .	33.0		
" Minimum .	19.2		
" " (Set) .	32.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	34.6	44.2	62
" Wet " . . . .	29.3	37.6	56
	0		
Rain gauge C . . .	2 <sup>cs</sup>	4 <sup>cs</sup>	
Wind, force & direction.			
Clouds, amount & kind.	2 Pm Rs	3 Rs R	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		45.9	37.5
" No. 3 .		45.3	36.8
" No. 4 .	20.5	45.7	36.0



NOVEMBER, 28 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.398	30.288	
Thermometer attached.	39.8	46.8	
" external No. 2.	43.1	52.0	
" " No. 3.	41.9	51.5	
" " No. 4.	42.1	51.9	
" Maximum .	45.6		
" " (Set) .	42.2		
" Minimum .	32.0		
" " (Set) .	41.8		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	44.0	52.8	84
" Wet " . . .	40.8	48.0	76
Rain gauge C . . .	0		
Wind, force & direction.	4 <sup>th</sup> S W	1 <sup>st</sup> S	
Clouds, amount & kind.	OKs haze	10 Pm fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		50.7	48.6
" No. 3 .		50.0	47.7
" No. 4 .	35.0	50.6	47.7

NOVEMBER, 29 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.459	29.649	Weight of bottle and water. Hence water from gauge C 1 1/8 ounces 0.099 inches
Thermometer attached.	49.3	46.0	
" external No. 2.	57.6	36.6	
" " No. 3.	57.1	35.7	
" " No. 4.	57.7	35.8	
" Maximum .	57.2		
" " (Set) .	54.0		
" Minimum .	41.7		
" " (Set) .	56.8		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	59.0	37.3	97
" Wet " . . . .	57.3	34.3	85
Rain gauge C . . .	16 1/2 "		
Wind, force & direction.	S 3	S 2	
Clouds, amount & kind.	10 Pm	9 Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		38.1	33.0
" No. 3 .		37.8	32.0
" No. 4 .	53.0	37.8	32.0



NOVEMBER, 30 1874.

	10 A. M.	4 P. M.	
Barometer	30.178	30.301	
Thermometer attached.	35.3	33.5	
" external No. 2.	25.0	25.0	At 10 A. M.
" " No. 3.	24.5	24.2	Gauge A
" " No. 4.	24.5	24.2	39 $\frac{1}{4}$ inches
" Maximum	57.9		0.338 inches
" (Set)	25.7		
" Minimum	22.0		
" (Set)	24.0		
" Solar max.			
" (Set)			
" Dry bulb	25.8	25.7	60
" Wet	21.2	19.7	42
Rain gauge C	3 $\frac{1}{8}$ ounces 0.276 inches		
Wind, force & direction.	7 <sup>c</sup> NW	12 <sup>c</sup> W	
Clouds, amount & kind.	5 M 7m	0 7m	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2		26.0	19.8
" No. 3		25.2	19.8
" No. 4	22.2	25.4	19.2

DECEMBER, / 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.590	30.386	At 8 1/4 A.M.
Thermometer attached.	28.7	35.0	Dry 15.8
" external No. 2.	19.9	31.0	Wet 14.3
" " No. 3.	19.1	30.0	No. 4 14.3
" " No. 4.	19.2	30.2	
" Maximum .	26.3		
" " (Set) .	20.6		
" Minimum .	12.3		
" " (Set) .	18.8		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	20.8	31.3	59
" Wet " . . .	16.6	26.0	59
Rain gauge C . . .	0		
Wind, force & direction.	0° N	10° SE	
Clouds, amount & kind.	6 R <sub>o</sub> R <sub>m</sub> Pr	10 R	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		29.0	30.9
" No. 3 .		28.6	30.3
" No. 4 .	12.8	27.8	30.3



DECEMBER, 2 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.230	30.180	
Thermometer attached.	38.0	44.2	
" external No. 2.	32.1	40.3	
" " No. 3.	31.0	39.8	
" " No. 4.	31.5	39.7	
" Maximum .	31.3		* At 10 A.M. Snow $\frac{1}{2}$ inch deep 6 inches in cylinder $1\frac{1}{8}$ inches across weigh $1\frac{1}{4}$ ounces.
" " (Set) .	31.5		
" Minimum .	18.8		
" " (Set) .	31.2		
" Solar max. .			
" " (Set) .			9.79770 0.066691 9.22185 .131 9.11646 .0655 Hence rainfall 0.065 inches agreeing with result by gauge.
" Dry bulb . .	33.2	41.0	82
" Wet " . . . .	30.0	35.8	65
Rain gauge C . . .	0 $\frac{3}{4}$ ounces, X 0.066 inches		
" Wind, force & direction.	0° SW	1° SW	
" Clouds, amount & kind.	5 P. R. S	8 P. m 7 m P. S	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		41.0	33.0
" No. 3 .		40.0	32.9
" No. 4 .	23.0	40.3	32.4

DECEMBER, 3 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.836	29.795	
Thermometer attached.	40.0	44.7	
" external No. 2.	46.9	51.0	
" " No. 3.	45.9	50.1	
" " No. 4.	46.2	50.6	
" Maximum .	46.0		
" " (Set) .	45.7		
" Minimum .	31.1		
" " (Set) .	45.9		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	47.7	51.6	83
" Wet " . . .	44.2	46.0	63
Rain gauge C . . .	0.011 inches		
Wind, force & direction.	5 <sup>th</sup> SW	3 <sup>rd</sup> SW	
Clouds, amount & kind.	9 P. Rs	9 P. Rs Pm. fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		55.1	43.2
" No. 3 .		54.1	42.2
" No. 4 .	40.0	54.9	42.4

A little rain  
about 3 P.M.



DECEMBER, 4 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.245	30.325	
Thermometer attached.	39.0	40.0	
" external No. 2.	30.9	33.0	
" " No. 3.	30.2	32.6	
" " No. 4.	30.5	32.6	
" Maximum .	55.0		
" " (Set) .	31.6		
" Minimum .	29.8		
" " (Set) .	30.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	31.7	33.6	65
" Wet " . . .	26.9	27.8	57
Rain gauge C . . .	0 <sup>1</sup> / <sub>4</sub> inches 0.011 inches		
Wind, force & direction.	6 <sup>2</sup> N	5 <sup>2</sup> NW	
Clouds, amount & kind.	10 Pm R	0 Fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		34.5	28.1
" No. 3 .		33.9	23.7
" No. 4 .	31.7	33.9	23.2

DECEMBER, 5 1874.

	11 <del>10</del> A. M.	4 P. M.	
Barometer . . . . .	30.402	30.278	
Thermometer attached.	32.7	38.0	
" external No. 2.	28.8	32.7	
" " No. 3.	27.9	31.9	
" " No. 4.	28.6	32.0	
" Maximum .	34.2		
" (Set) .	28.9		
" Minimum .	16.6		
" (Set) .	27.8		
" Solar max. .			
" (Set) .			
" Dry bulb . .	29.6	33.0	69
" Wet " . . .	25.4	28.9	73
Rain gauge C . . .	0		
Wind, force & direction.	0° NW	0 calm	
Clouds, amount & kind.	9 Pm fm haze	10 Pm R fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		33.9	31.7
" No. 3 .		33.2	30.9
" No. 4 .	17.0	33.7	30.5



DECEMBER, 1874.

	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 .			

DECEMBER, 1874.

	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 .			



DECEMBER, 6 1874.

1874phae.proj..373.

	10 A. M.	4 P. M.	
Barometer . . . .	30.100		
Thermometer attached.	37.1		
" external No. 2.	37.2		
" " No. 3.	36.3		
" " No. 4.	36.9		
" Maximum .	36.7		
" " (Set) .	37.0		
" Minimum .	27.9		
" " (Set) .	36.4		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	38.4		73
" Wet " . . . .	34.1		
Rain gauge C . . .			
Wind, force & direction.	15 E		
Clouds, amount & kind.	10 P <sub>a</sub> P <sub>m</sub>		
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		42.1	39.0
" No. 3 .		43.6	38.2
" No. 4 .	32.5	42.0	38.0

DECEMBER, 7 1874.

	10 A. M.	4 P. M.
Barometer . . . .	29.764	29.707
Thermometer attached.	40.0	40.3
" external No. 2.	36.0	36.9
" " No. 3.	35.2	36.0
" " No. 4.	35.5	36.4
" Maximum .	43.6	
" (Set) .	35.7	
" Minimum .	34.6	
" (Set) .	35.0	
" Solar max. .		
" (Set) .		
" Dry bulb . .	36.6	37.7
" Wet " . . .	35.0	35.3
Rain gauge C . . .	4 $\frac{1}{2}$ ounces, 0.430 inches	
Wind, force & direction.	0 calm	5 <sup>th</sup> NE
Clouds, amount & kind.	10 P <sub>m</sub> raining	10 P <sub>m</sub>

99  
91

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		37.4	33.1
" No. 3 .		36.7	32.5
" No. 4 .	35.4	37.0	32.2



DECEMBER, 8 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.770	29.842	
Thermometer attached.	37.8	41.3	
" external No. 2.	37.0	37.2	
" " No. 3.	36.1	36.8	
" " No. 4.	36.4	36.8	
" Maximum .	36.8		
" " (Set) .	36.8		
" Minimum .	32.0		
" " (Set) .	36.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	37.9	37.9	71
" Wet " . . . .	33.4	32.4	61
Rain gauge C . . .	0.16 inches 0.005 inches		
Wind, force & direction.	7 <sup>e</sup> NW	8 <sup>e</sup> W	
Clouds, amount & kind.	9 Pm 7m Pr R Rm R	4 Pm 11 Pm R	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		41.5	28.5
" No. 3 .		40.8	26.9
" No. 4 .	34.0	41.1	27.5

DECEMBER, 9 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.994	29.846	
Thermometer attached.	31.6	39.0	
" external No. 2.	27.9	41.1	
" " No. 3.	27.0	39.9	
" " No. 4.	26.9	40.2	
" Maximum .	40.8		
" " (Set) .	28.0		
" Minimum .	16.9		
" " (Set) .	26.6		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	28.8	42.0	66
" Wet " . . . .	24.4	36.4	62
Rain gauge C . . .	0		
Wind, force & direction.	10 <sup>2</sup> W	10 <sup>2</sup> SW	
Clouds, amount & kind.	1 P <sub>2</sub> R <sub>5</sub>	10 P <sub>m</sub> R <sub>2</sub>	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		40.4	37.9
" No. 3 .		39.8	37.0
" No. 4 .	16.3	40.0	36.6



DECEMBER, 10 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.233	30.238	
Thermometer attached.	36.7	40.0	
" external No. 2.	34.2	35.7	
" " No. 3.	33.6	35.0	
" " No. 4.	33.7	34.9	
" Maximum .	41.2		
" (Set) .	34.0		
" Minimum .	26.7		
" (Set) .	33.2		
" Solar max. .			
" (Set) .			
" Dry bulb . . .	34.9	36.1	39
" Wet " . . . .	27.1	28.2	40
Rain gauge C . . .	0		
Wind, force & direction.	6 <sup>e</sup> NW	2 <sup>e</sup> N	
Clouds, amount & kind.	5 R R R	2 Pm Fm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		37.1	29.0
" No. 3 .		36.4	28.5
" No. 4 .	29.5	36.5	28.3

DECEMBER, 11 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.030	29.944	
Thermometer attached.	37.0	40.2	
" external No. 2.	37.0	36.9	
" " No. 3.	35.9	36.1	
" " No. 4.	36.3	36.3	
" Maximum .	36.7		
" " (Set) .	36.9		
" Minimum .	27.6		
" " (Set) .	35.9		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	37.6	37.4	70
" Wet " . . . .	33.0	31.5	58
Rain gauge C . . .	0		
Wind, force & direction.	1 <sup>st</sup> S	1 <sup>st</sup> SW	
Clouds, amount & kind.	10 P <sup>r</sup> fm a little snow	4 P <sup>m</sup> fm Rs	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		38.0	30.0
" No. 3 .		37.3	29.0
" No. 4 .	31.5	37.6	28.8



DECEMBER, 12 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.191	30.183	
Thermometer attached.	35.8	37.0	
" external No. 2.	21.7	28.0	
" " No. 3.	20.9	27.7	
" " No. 4.	21.2	27.7	
" Maximum .	37.8		
" " (Set) .	22.7		
" Minimum .	17.2		
" " (Set) .	20.5		
" Solar max. .			
" " (Set) .			
" Dry bulb .	22.6	28.7	70
" Wet " . . .	19.0	23.1	52
Rain gauge C . . .	0		
Wind, force & direction.	2 <sup>nd</sup> SW	4 <sup>th</sup> W	
Clouds, amount & kind.	3 Pm fm B	5 Pm fm M 7m Pm	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		30.2	20.0
" No. 3 .		29.8	19.5
" No. 4 .	17.3	29.8	18.9

DECEMBER, 13 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.244	30.133	Snowing a little
Thermometer attached.	28.6	31.3	
" external No. 2.	25.9	29.0	
" " No. 3.	25.1	28.4	° Wind not found
" " No. 4.	25.4	28.5	to little open.
" Maximum .	29.9		
" " (Set) .	26.7		
" Minimum .	14.5		
" " (Set) .	25.1		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	26.9	29.2	77
" Wet " . . .	23.8	31.9	100
Rain gauge C . . .	0		
Wind, force & direction.	N $\frac{1}{2}$ E	1 NNW	
Clouds, amount & kind.	9 Pr	10 Pr X	
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		31.8°	32.8
" No. 3 .		31.7	32.5
" No. 4 .	19.5	32.0	31.6



DECEMBER, 14 1874.

	10 A. M.	4 P. M.
Barometer . . . .	29.589	29.801
Thermometer attached.	38.8	35.0
" external No. 2.	42.0	22.7
" " No. 3.	41.0	22.1
" " No. 4.	41.4	22.2
" Maximum .	41.0	
" " (Set) .	40.0	
" Minimum .	25.0	
" " (Set) .	41.0	
" Solar max. .		
" " (Set) .		
" Dry bulb . . .	42.4	23.4
" Wet " . . . .	40.2	20.0
Rain gauge C . . .	3 <sup>3</sup> / <sub>4</sub> inches 0.364 inches	
Wind, force & direction.	7° SW	14° NW
Clouds, amount & kind.	10 pm raining	9 pm

94  
73

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		29.0	8.5
" No. 3 .		28.6	8.1
" No. 4 .	40.0	28.7	7.2

Read at  
9.30<sup>am</sup> P.M.

DECEMBER, 15 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	30.248	30.252	
Thermometer attached.	out of sight probably about 10	out of sight probably about 15	As reported
" external No. 2.	1.8	9.9	by Bridges
" " No. 3.	1.5	9.7	at 9½ AM.
" " No. 4.	1.0	9.3	
" Maximum .	41.0		
" " (Set) .	4.0		
" Minimum .	-2.2		
" " (Set) .	1.0		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	Below graduation	under	
" Wet " . . .	Below graduation	fastening	
Rain gauge C . . .	0 ½ ounces 0.01 inches	0	
Wind, force & direction.	10 <sup>e</sup> NW	13 <sup>e</sup> NW	
Clouds, amount & kind.	0	0	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		11.1	7.5
" No. 3 .		10.8	6.9
" No. 4 .	-2.5 <sup>x</sup>	10.7	5.9



DECEMBER, 16 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .			
Thermometer attached.			
" external No. 2.	33.8		
" " No. 3.	32.3		
" " 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 .			23.6
" No. 3 .			22.9
" No. 4 .	6.3		22.4

DECEMBER, 17 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .			
Thermometer attached.			
" external No. 2.	33.0		
" " No. 3.	32.3		
" " No. 4.	32.6		
" 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 .			38.0
" No. 3 .			37.1
" No. 4 .	27.5		37.1



DECEMBER, 18 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.705	29.773	Read by R. W. W. at 10 A M By A. J. L at 4 & 9 P. M.
Thermometer attached.	31.3	36.0	
" external No. 2.	20.6	27.2	
" " No. 3.	19.7	26.5	
" " No. 4.	19.9	26.4	
" Maximum .	30.8		
" " (Set) .	25.0		
" Minimum .	0.8		
" " (Set) .	19.6		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	21.3	21.8	
" Wet " . . . .	17.0	26.9	2 P. M. I. L. L. S. read at 2.30 by A. J. L.
Rain gauge C . . .			
Wind, force & direction.			
Clouds, amount & kind.			

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		27.0	27.0
" No. 3 .		26.5	26.1
" No. 4 .	20.7	26.4	25.7

DECEMBER, 19 1874.

	10 A. M.	4 P. M.
Barometer . . . . .		29.875
Thermometer attached.		39.5
" external No. 2.		40.5
" " No. 3.		39.8
" " No. 4.		40.0
" Maximum .		
" (Set) .		
" Minimum .		
" (Set) .		
" Solar max. .		
" (Set) .		
" Dry bulb . .		40.5?
" Wet " . . .		33.2?
Rain gauge C . . .		40.5
Wind, force & direction.		
Clouds, amount & kind.		

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		41.4	34.7
" No. 3 .		40.5	33.8
" No. 4 .	31.2	40.6	33.6

Read by  
A. J. L.



DECEMBER, 1874.

	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 .			

DECEMBER, 1874.

	10 A. M.	4 P. M.	7 A. M.	2 P. M.	9 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.					
Thermometer No. 2 .					
“ No. 3 .					
“ No. 4 .					



DECEMBER, (20) 1874

Sunday

	10 A. M.	4 P. M.
Barometer . . . .	29.859	29.851
Thermometer attached.	32.0	33.3
" external No. 2.	29.0	32.9
" " No. 3.	28.9	32.3
" " No. 4.	28.5	32.3
" Maximum .	41.3	
" " (Set) .	30.8	
" Minimum .	19.2	
" " (Set) .	28.1	
" Solar max. .		
" " (Set) .		
" Dry bulb . . .	29.9	33.4
" Wet " . . . .	26.7	31.6
Rain gauge C . . .	D.	
Wind, force & direction.	N NW $\frac{1}{2}$	
Clouds, amount & kind.	10 Pr Pm	

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		33.0	33.2
" No. 3 .		32.3	32.6
" No. 4 .	20.8	32.7	32.6

DECEMBER, 21 1874.

	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 .			28.0
" No. 3 .			27.3
" No. 4 .	22.2		27.0



DECEMBER, 22 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	30.093	29.981	
Thermometer attached.	24.9	41.2	
" external No. 2.	19.9		
" " No. 3.	19.3		
" " No. 4.	19.8		
" Maximum .	32.8		
" " (Set) .	31.9		
" Minimum .	7.9		
" " (Set) .	19.6		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	22.7		
" Wet " . . .	20.0		
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 .	11.0		

DECEMBER, 23 1874.

	10 A. M.	4 P. M.	1 A. M.
Barometer . . .	29.905	29.981	
Thermometer attached.	34.5	41.2	
" external No. 2.	34.9	38.9	
" " No. 3.	33.9	38.0	
" " No. 4.	34.4	38.4	
" Maximum .	36.0		
" " (Set) .	36.0		
" Minimum .	19.8		
" " (Set) .	34.3		
" Solar max. .			
" " (Set) .			
" Dry bulb . .	38.0	29.3	
" Wet " . . .	34.9	23.9	
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 .	30.5		



DECEMBER. 24 1874.

1874phae.proj..373.

	10 A. M.	4 P. M.	
Barometer . . . .			11.1/10 <sup>h</sup> Ask.
Thermometer attached.			Gauge C. 1 lb 1/100
" external No. 2.			Weight of Bottle +
" " No. 3.			water.
" " No. 4.			$\begin{array}{r} 20 \\ 15 \frac{3}{4} \\ \hline 3 \frac{5}{8} \text{ ounces} \end{array}$
" Maximum .			0.320 inches
" " (Set) .			2 <sup>45</sup> 2 oz
" Minimum .			1 10 1/2
" " (Set) .			1 10 1/2
" Solar max. .			1 10 1/2
" " (Set) .			1 10 1/2
" Dry bulb . .			13 1/2
" Wet " . . .			
Rain gauge C . . .			Height of water in
Wind, force & direction.			gauge A
Clouds, amount & kind.			
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		32.9	32.9
" No. 3 .		32.4	31.8
" No. 4 .	33.2	32.7	32.0

Measurements by  
W. L. W.

DECEMBER, 27 1874.

Sunday

	10 A. M.	4 P. M.
Barometer . . . . .	30.080	30.109
Thermometer attached.	36.0	41.7
" external No. 2.	37.7	40.2
" " No. 3.	36.7	39.7
" " No. 4.	36.7	39.6
" Maximum .	41.2	
" " (Set) .	37.1	
" Minimum .	16.3	
" " (Set) .	36.8	
" Solar max. .		
" " (Set) .		
" Dry bulb . .	38.3	39.7
" Wet " . . .	33.3	35.0
Rain gauge C . . .	0	
Wind, force & direction.	N 3	1 N
Clouds, amount & kind.	8 R Pm	6 Pm

	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .		44.3	34.0
" No. 3 .		43.3	33.4
" No. 4 .	27.5	43.6	33.4



DECEMBER, 28 1874.

	10 A. M.	4 P. M.	
Barometer . . . .	29.891	29.728	N.S.L.
Thermometer attached.	38.6	40.0	
" external No. 2.	41.9	44.8	
" " No. 3.	40.8	44.3	
" " No. 4.	41.5	44.6	
" Maximum .	43.3		
" " (Set) .	40.2		
" Minimum .	31.6		
" " (Set) .	40.9		
" Solar max. .			
" " (Set) .			
" Dry bulb . . .	43.0	45.9	* Height of <sup>1.3</sup>
" Wet " . . . .	40.8	44.0	water + bot-
Rain gauge C . . .	17 oz*		lts. $\frac{17\frac{3}{4}}{1\frac{5}{8}}$ ounces
Wind, force & direction.	4 S		0.143 inches
Clouds, amount & kind.	10 P.M.		Thick & Foggy.
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .			45.8
" No. 3 .			44.8
" No. 4 .	38.5		45.0

DECEMBER, 29 1874.

	10 A. M.	4 P. M.	
Barometer . . . . .	29.744		N.J.L.
Thermometer attached.	43.1		
" external No. 2.	42.3		
" " No. 3.	41.5		
" " No. 4.	42.0		
" Maximum .	47.8		
" " (Set) .	43.0		
" Minimum .	40.8		
" " (Set) .	41.5		
" Solar max. .			
" " (Set) .			* Height of water + bottle.
" Dry bulb . .	43.4		$176\frac{3}{8}$
" Wet " . . .	37.9		$1\frac{5}{8}$ ounces
Rain gauge C . . .	17 23*		0.143 inches
Wind, force & direction.			
Clouds, amount & kind.			
	7 A. M.	2 P. M.	9 P. M.
Thermometer No. 2 .			28.0
" No. 3 .			27.2
" No. 4 .	43.5		27.0

9 P. M. Read  
at 9.30  
N.J.L.



Attach. Ther. 40.5 } 9 P.M. Nov. 23, 1874  
 Barometer 28.971 }

December 30. 1874, 4 P.M.  
 Barometer 30.104  
 Ther. Attach 31.0  
 Ex No 2 23.0  
 " " 3 22.5  
 " " 4 22.5  
 Dry Bulb 23.2  
 Wet " 19.0  
 Read by A.S.L.

9: P.M.  
 Ex No 2 18.0  
 " " 3 17.6  
 " " 4 17.3

Dic 30 No 4 14.8

Dec. 31, 1874 4: P.M.

Read by A.S.L.

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Bar. 34.537

Ther. Attach. 19.0

Ex. No 2 11.9

" " 3 11.7

" " 4 11.6

Dry Bulb 10.9

Wet " 8.5

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No 2 9: P.M.

No 3 8.0

No 4 7.8

No 4 7.2

Dec 31. No 4. 4-5

(over.)



Jan. 1. 1875

10 A.M. (N. J. L.)

Bar. 35.017

Ther. Attack — Mercury out of sight. (Low)

Ex No 2 13.8

" " 3 13.2

" " 4 13.0

Max. 43.9

" (Set) 19.9

Min. ~~7.8 ? ? ?~~

" 15.0

Dry Bulb 15.0

Wet " 11.6

9: P.M.

Ex No 2 — 15.7

" " 3 — 15.1

" " 4 — 14.6

— 2.0  
seen Dec. 31 by  
A. Searle

January 1

2

75.6

6.3

21.2

Jan 2 1875

9 P.M.

2 32.0

3 30.1

4 30.2



$$\begin{array}{r} 2 \quad 14\frac{1}{2} \\ 1 \quad 4 \\ \hline 1 \quad 10\frac{1}{2} \end{array} \quad \begin{array}{r} 2 \quad 3\frac{1}{2} \\ 1 \quad 4 \\ \hline 1 \quad 5\frac{1}{2} \end{array}$$



2.89680  
7.93546  
0.83226  
2.26364  
0.19910

31✓  
58✓  
78✓

43✓  
47✓  
24✓

37✓  
28✓

7.93546  
2.45788  
0.34834

36✓  
49✓  
67✓

12✓  
23✓  
18✓  
21✓  
18✓  
15✓



