

KG
11365
370

Pg

DAILY
JOURNAL

FOR

1872

mael

NLT

KG 11365.370

A 7.93708

C 8.94575

Pallio-cirrus

12

Cirrus

R

Cirro-stratus

R_s

Cirro-cumulus

R_m

Cumulus

M

Pallio-cumulus

P_m

Fracto-cumulus

F_m



Daily Journal

FOR

1872.

Containing a Blank Page for Every Day in the Year.



PUBLISHED ANNUALLY
FOR THE Trade

Counting-House Almanac for 1872.

	Sund.	Mon.	Tues.	Wedn.	Thurs.	Frid.	Satur.
JANUARY.....	1	2	3	4	5	6	
	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30	31			

FEBRUARY.....					1	2	3
	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29		

MARCH.....						1	2
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
	31						

APRIL.....	1	2	3	4	5	6	
	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30				

MAY.....			1	2	3	4	
	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30	31	

JUNE.....							1
	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30						

	Sund.	Mon.	Tues.	Wedn.	Thurs.	Frid.	Satur.
JULY.....		1	2	3	4	5	6
	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30	31			

AUGUST.....					1	2	3
	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	31

SEPT'R....	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30					

OCTOBER.....		1	2	3	4	5	
	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31		

NOVEMBER.....						1	2
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30

DEC'R....	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30	31				

MONDAY, JANUARY 1, 1872.

	7	10	2	4	9
Barom.		30.217		30.327	
Alt. Th.		70.6		68.8	
Dry		44.1		39.3	
Wet		42.1		33.4	
No. 4			39.9		32.8
Min.		18.0			
Solar				61.3 (38.8)	
Max.					
Gauge C		1 1/2			
Wind		4 ^e W		9 N	
Clouds		10 Pz Rm Rm		10 Pz Rm	

At 12 M A 27 1/4 ounces

Evening somewhat clear

TUESDAY, JANUARY 2, 1872.

KG 11365.300

	7	10	2	4	9
Barom.		30.622			
Att. Th.		65.1			
Dry		25.8			
Wet		22.2			
No. 4	20.2		27.1		20.0*
3235					
Min.		19.0			
Solar					
Max.					
Gauge C		0			
Wind		8 N			
Clouds		0 P ₂			

HARVARD
UNIVERSITY
LIBRARY
MAY 3 1956

* No. 4 at 7 $\frac{1}{4}$ P.M. 21.1
at 10 $\frac{7}{12}$ " 19.0
at 9 P.M. by interpolation 20.0

WEDNESDAY, JANUARY 3, 1872.

	1	10	2	4	9
Barom.		30.550		30.449	
Att. Th.		61.4		64.0	
Day		23.6		24.4	
Night		21.6		22.0	
No. 14	20.4		22.5	23.4	23.8
3235				23.8	24.1
Min.		18.0			
Solar				93.1 (25.1)	
Max.					
Gauge C		0			
Wind		6 N		3 ^e N	
Clouds		10 Pm P.		10 P.	

Sheet beginning about 8 P.M.

THURSDAY, JANUARY 4, 1872.

	7	10	2	4	9
Barom.		29.956		29.987	
Alt. Th.		55.2		67.0	
Dry		40.2		36.0	
Wet		39.1		34.8	
No. 4	37.5	39.5	35.6	35.0	*34.8
3235		39.8	35.9	35.3	34.5
Min.		21.6 (39.9)			
Solar				50.1 (35.7)	
Max.					
Gauge C		64		6	
Wind		0 calm		18 N	
Clouds		10 Pm mist raining		10 Pm fog	

A at 4 P.M. 78 runs as

* 7 $\frac{1}{2}$ 35.1
9 $\frac{1}{2}$ 34.8

FRIDAY, JANUARY 5, 1872.

	1	10 $\frac{1}{6}$	2	4	9
Barom.		29.924		29.812	"
Alt. Th.		66.2		65.1	"
Day		37.7		40.0	"
Net		34.0		35.6	"
No. 4	33.8	36.6	39.7	39.1	* 32.6
3235		37.0	40.0	39.6	
Min.		33.4 (36.0)			
Solar				50.9 (40.3)	
Gauge C		xx 0 $\frac{3}{4}$			
Wind		12 ^e N		8 ^e N	
Clouds		10 Pm 7m		10 Pm	

* 7 $\frac{5}{4}$ 33.4
14 11 $\frac{1}{5}$ 31.0
2.4
1.8

7w 10u

xx At 4 P.M. Jan. 4 6
" 10 A.M. " 5 0 $\frac{3}{4}$
(6 $\frac{3}{4}$ in all

SATURDAY, JANUARY 6, 1872.

	7	10	3 ¹ / ₄	4	9
Barom.		29.730		29.724	
Atm. Th.		64.5		65.5	
Dry		35.4		40.0	
Wet		31.4		34.0	
No. 4	27.5	34.1	39.8	39.1	* 24.8
3235		34.9	40.0	39.6	
Min.		270 (340)			
Solar				102.2 (467)	
Gauge C		0.6 e W		10 NW	
Wind		0 Pm		9 Pm M	
Clouds					

$$\begin{array}{r}
 \times 9 \\
 26 \\
 \hline
 35
 \end{array}
 \quad
 \begin{array}{r}
 4 \frac{1}{4} \\
 11 \frac{1}{6}
 \end{array}
 \quad
 \begin{array}{r}
 24.2 \\
 15.0 \\
 \hline
 10.2 \\
 .36 \\
 3.42 \\
 \hline
 9.88
 \end{array}$$

At 9 P.M. by interpolation 24.8

no wind $\leq \frac{1}{2}$
Auroral arch at 11 P.M.

SUNDAY, JANUARY 7, 1872.

	7	10	12 $\frac{1}{2}$	4	9
Barom.		30.169			
Att. Th.		415.7			
Dry		4.81			
Wet		2.3			
No. 4	2.2	3.4	7.4		11.7
3235		4.0	8.0		12.3
Min.		1.8 (3.2)			
Solar					
Gauss C		0			
Wind		18° N			
Clouds		0			

2d

MONDAY, JANUARY 8, 1872.

	7	10	2	4	9
Barom.		30.369		30.296	
Att. Th.		56.9		65.9	
Dry		15.8		30.5	
Wet		13.0		23.0	
No. 4	8.5	14.4	28.6	29.6	19.6
3.2.35		15.0	29.0	30.0	20.0
Min.		3.2 (14.2)			
Solar				97.2 (49.2)	
Gauge C		0			
Wind		3 NW		5 NW	
Clouds		4 R Rs		4 R Rs	

TUESDAY, JANUARY 9, 1872.

	7	10	2	4	9
Barom.		30.154		30.049	
Alt. Th.		55.3		66.1	
Dry		20.5		36.3	
Wet		16.3		30.1	
No. 4	10.5	* 18.5	35.2	35.4	29.1
8235		19.6	35.9	36.0	29.8
Min.		10.0 (18.8)			
Solar				102.1 (52.0)	
Gauge C		0			
Wind		0 NW		4 NW	
Clouds		5 P ₂		9 P P ₂ P ₃	

* Read carefully.

7 $\frac{1}{2}$ 31.0 31.3

WEDNESDAY, JANUARY 10, 1872.

	7	10	1 ¹ / ₄	4	9
Barom.		30.117			
Att. Th.		62.0			
Dry		32.0			
Wet		27.5			
No. 4	28.0	31.1	34.8		30.8
3.235		31.6	35.2		31.0
Min.		18.7 (30.6)			
Solar					
Gauge C		0			
Wind		9 NW			
Clouds		3 Pm Pm Pm			

THURSDAY, JANUARY 11, 1872.

	1	10	2	4	9
Barom.		30.130			
Att. Th.		63.1			
Dry		27.2			
Wet		25.2			
No. 4	20.3	26.0	36.2		X 31.7
3235		26.6	36.8		X 32.1
Min.		19.7 (25.6)			
Solar		102.9 (79.8)			
Gauge C		0			
Wind		0 N			
Clouds		0 B haze			

* $9\frac{3}{4}$ 31.4

32.0

$10\frac{1}{4}$ 32.0

32.2

At 9 P.M. by interpolation 31.7

32.1

~~32.1~~

FRIDAY, JANUARY 12, 1872.

	7	40	2	4	9
Barom.		29.750		29.826	
Atm. Th.		64.0		63.4	
3235		40.9	43.8	42.7	* 37.0
No. 4	38.2	40.4	43.2	42.1	* 36.1
Min.		25.5 (40.0)		45.7	
Dry		41.5		43.1	
Wet		33.8		34.1	
Solar				105.7 (61.4)	
Gaug. C		0			
Wind		15 ^e W		15 ^e W	
Clouds		3 N 7m		0	

^{*}
14 7 ⁵/₁₂ 35.6
 36.3
 36.1
 37.0
2 9 ¹/₆

SATURDAY, JANUARY 13, 1872.

	7	10	2	4	9
Barom.		29.768		29.708	
Alt. Th.		65.2		68.4	
3235		39.6	44.9	43.6	x 36.8
No. 4	31.8	39.0	44.8	42.9	x 36.2
Min.		31.9 (38.3)			
Dry		40.3		44.0	
Wet		34.3		35.8	
Solar				99.6 (66.0)	
Gauge C		0		0	
Wind		0 SW		0 SW	
Clouds		10 R		2 R Rm R	

$\times 5\frac{1}{2}$
 7 40.0
 39.3
 $\frac{11) 5.0}{.45}$
 3.15
 1.8
 4 11 35.0
 34.4
 $\frac{11) 4.4}{.45}$

SUNDAY, JANUARY 14, 1872.

	7	10	2	4	9
Baroms		29.975		30.016	
Att. Ths		62.4		68.5	
3285		20.9	20.0	17.9	* 10.4
No. 4	26.0	20.8	20.0	17.7	* 9.9
Min.		20.2 (20.2)			
Dry		21.7		18.7	
Wet		18.0		14.9	
Solar				67.0 (33.5)	
Gauge		0			
Wind		10 ^e N		6 ^e N	
Clouds		10 Pz R		5 Pz R	

$\times 5 \frac{1}{12}$ 15.3
 48 15.0
 35 11 $\frac{1}{2}$ 7.2
 77 81 6.6
 105 3.15

12) 8.1 32.03
 62
 2) 8.4
 77) 8.1 32.03
 22 7.00
 7.93
 42.3
 5.12
 3.27

MONDAY, JANUARY 13, 1872.

	7	10	2	4	9
Barom.		30.121		30.045	
Att. Th.		55.0		64.9	
3235		10.2	19.9	21.1	16.2
No. 4	3.8	9.7	19.3	20.7	15.9
Min		3.9 (9.6)		21.1	
Dry		11.0		21.8	
Wet		8.8		16.8	
Solar				91.7 (67.0)	
Gauge		0		0	
Wind		4 ^e N		4 ^e N	
Clouds		0		0	

TUESDAY, JANUARY 16, 1872.

	7	10	2	4	9
Barom.		30.179		30.110	
Ht. Fr.		67.0		59.4	
3235		18.6	28.0	27.6	23.5
No. 11	13.5	18.0	27.6	27.0	23.1
Min.		9.5 (17.5)			
Dry		19.3		28.0	
Wet		16.7		24.3	
Polar				72.3 (30.3)	
Gauge C		0			
Wind		0 N		7 E	
Clouds		10 Pr		10 Pm Fm	

WEDNESDAY, JANUARY 17, 1872.

	7	10	12 ¹ / ₂	4	9
Barom.		29.974			
Atm. Th.		52.6			
3235		19.6	21.9		21.2
No. 4	16.3	19.0	21.7		20.9
Min.		16.2 (18.7)			
Dry		20.1			
Wet		18.4			
Solar					
Gauge C		6			
Wind		10 ^c N			
Clouds		10 R (snow)			

yc. Some snow cleared off about 10 PM

THURSDAY, JANUARY 18, 1872.

	7	10	2	4	9
Barom.		29.986		29.986	
Atm. Th.		57.3	28	59.1	
3235		21.8	28.0	27.1	† 23.3
No. 4	18.8	21.1	27.5	26.8	† 22.8
Min.		14.4 (20.8)			
Dry		22.3		27.9	
Wet		18.1		23.9	
Solar				110.0 (31.2)	
Gauge		3 (snow blown out about 0.5 inch snow)			
Wind		5 ^e NW		6 ^e W	
Clouds		2 P. R. Rm		10 P. R. Rm	
				Rs	

$\begin{array}{r} 26.0 \\ 25.6 \\ 21.1 \\ 20.4 \end{array}$
 $\begin{array}{r} 11) 4.9 \\ \underline{.445} \\ 2.2 \\ 2.7 \end{array}$
 $\begin{array}{r} 11) 5.2 \\ \underline{.473} \\ 2.36 \\ 2.83 \end{array}$

At 9 P.M. by interpolation ~~23.3~~ 22.8

FRIDAY, JANUARY 19, 1872.

	7	80	2	4	9
Barom.		30.199		30.110	
Att. Th.		64.0		59.2	
3235		29.8	37.0	36.9	33.7
No. 4	27.3	29.3	37.3	36.6	33.1
Min.		19.4 (28.9)			
Dry		30.4		37.1	
Wet		27.2		32.1	
Solar				92.1 (39.3)	
Range C		0			
Wind		12 W		0 W	
Clouds		2 Pz Ps		10 Pz	

* Carefully read

SATURDAY, JANUARY 20, 1872.

	7	10	2	4	9
Barom.		29.660		29.576	
Att. Th.		66.8		66.3	
3235		34.9	⁺ 40.8	⁺ 40.9	⁺ 37.8
No. 4	33.5	34.6	41.0	41.5	37.2
Min.		28.8 (34.0)			
Dry		35.6		42.5	
Wet		34.4		36.7	
Solar				101.8 (50.4)	
Gauge		75			
Wind		1 ^e NW		5 ^e W	
Clouds		10 Pm		8 Pm Pm	

69

carefully read

4 1/2 P.M. A 87 3/4

you > R2 N

SUNDAY, JANUARY 21, 1872.

	7	10 $\frac{1}{4}$	2	4	9
Barom.		29.828		29.769	
Atm. Th.		63.4		68.8	
32.35		34.3	39.0	37.6	30.9
No. 4	28.7	33.5	38.8	37.0	30.4
Moist.		28.5 (33.3)			
Dry		34.9		38.0	
Wet		30.4		32.0	
Solar				110.6 (67.9)	
Gauge C		0		0	
Wind		6 ^e W		3 ^e NW	
Clouds		0 Pr		0 Pm 7m	

MONDAY, JANUARY 22, 1872.

	7	10	2	4	9
Barom.		29.954		29.832	
Att. In.		63.8		64.3	
3235		33.5	36.3	35.5	31.7
No. 4	27.0	32.7	35.9	34.9	31.2
Min.		26.3 (32.5)		3	
Dry		34.1		35.9	
Wet		28.3		30.1	
Solar				004.0 (51.8)	
Gauge C		0			
Wind		8 ^c SW		5 ^c SW	
Clouds		5 R R R		7 R Rm Fm Rm	

TUESDAY, JANUARY 23, 1872.

	7	10	2	4	9
Barom.		29.609		29.667	
Atmos.		65.4		67.5	
3235		38.5	43.0	35.4	27.0
No. 4	32.8	37.9	42.6	34.6	26.5
Main.		30.6 (374)			
Dry		39.1		35.6	
Wet		34.4		29.0	
Solar				106.0 (74.0)	
Gauge		0			
Wind		6 ^e S		8 ^e NW	
Clouds		2 Pm Fm Rs		5 Pm Rs R Pm	

WEDNESDAY, JANUARY 24, 1872.

	7	10	^{11 1/2} 2 3	4	9
Barom.		29.734		29.709	
Att. Th.		58.7	58.7	67.4	
3235		16.1	* 19.1	20.2	** 19.2
No. 4	15.0	15.8	* 17.5	19.9	** 18.6
Min.		13.9 (15.3)			
Dry		16.8		20.9	
Wet		13.4		16.3	
Solar				91.0 (45.9)	
Gauge C		0		0	
Wind		9 ^e N		12 ^e N	
Clouds		7 P. Rm		5 P. R 7m	

* 3 1/4 P.M. 20.7
20.1

** 6 1/2 P.M. 19.8
19.1

10 1/4 P.M. 18.9
18.3

At 9 P.M. by interpolation 19.2
18.6

THURSDAY, JANUARY 23, 1872.

	7	10	2	4	9
Barom.		29.774		29.576	
Att. Th.		54.7		63.6	
3235		20.0	23.9	23.4	*18.0
No. 4	12.8	19.6	23.5	22.8	*17.8
Min.		8.6 (19.3)			
Dry		20.8		23.9	
Wet		17.0		18.6	
Solar				89.8 (57.2)	
Gauge C		0			
Wind		10 ^e W		10 ^e W	
Clouds		6 Fm		1 P Fm	

* Let down from memory. 1 hour after reading.
At 10¹/₂ P.M. 3235 17.2 No. 4 16.6

FRIDAY, JANUARY 26, 1872.

	7	10	2	4	9
Barom.		29.679		29.642	
Atm. Th.		56.7		59.3	
3235		19.5	24.8	24.6	20.7
No. 4	16.0	18.8	24.1	24.1	20.4
Min.		12.6 (18.3)			
Day		20.0		25.0	
Wet		15.8		19.7	
Solar				94.2 (55.1)	
Gauge C		0			
Wind		7 ^e W		7 ^e W	
Clouds		0 Fm		0 M Fm	

SATURDAY, JANUARY 27, 1872.

	7	10	2	4	9
Barom.		29.774		29.746	
Alt. Th.		54.9		62.3	
3235		25.0	31.7	30.8	* 26.3
No. 4	16.8	24.1	31.4	30.4	* 25.5
Min.		13.9 (24.1)			
Dry		25.8		31.1	
Wet		20.8		24.5	
Solar				100.8 (55.0)	
Gauge		0			
Wind		7 ^c W		5 ^c W	
Clouds		8 P R R R Rm		4 P R Rm	

Rye. $y < u$

$\times 7\frac{5}{12}$ 27.2
 26.4
 24.8
 24.0
 11 $\frac{1}{2}$
 At 9 P.M. by interpolation 25.5

SUNDAY, JANUARY 28, 1872.

	7	10	11	4 5	9
Barom.		29.710		29.650	
Att. Th.		67.0	64	64.3	
3235		25.4	29.0	28.6	26.4
No. 4		25.4	29.3	28.0	26.0
Min.		22.5 (24.5)			
Day		26.0		28.9	
Wet		24.1		25.6	
Solar				8.56 (24.4)	
Gauge		2			
Wind		3 ² N		0 calmer	
Clouds		10 P (morning)		3 P R R s	

Read carefully

MONDAY, JANUARY 29, 1872.

	7	10	2	4	9
Barom.		29.485		29.583	
Atm. Th.		61.3		68.3	
3235		24.8	13.7	14.6	11.7
No. 4	20.0	24.7	13.4	14.2	11.1
Min.		19.8 (24.0)			
Day		25.4 84		15.6	
Net		24.2		13.8	
Solar				65.2 (28.3)	
Yangtze		3			
Wind		4 ^e N		15 ^e NW	
Clouds		10 P snowing		10 P	

TUESDAY, JANUARY 30, 1872.

	7	10	2	4	5 1/2
Barom.		30.128		30.132	
Atm. Th.		57.2		59.2	
3235		12.6	18.0	18.6	16.4
No. 4	5.2	12.0	17.7	18.4	16.0
Min		5.2 (11.6)			
Dry		13.4		19.0	
Wet		10.9		15.0	
Solar				107.8 (90.0)	
Max.			18.0 not set		18.3 (18.2)
Gauge C		2 1/4 by measure below			
Wind		6 ^e W		5 ^e NW	
Clouds		0		0	

Snow at 10 A.M. $4\frac{1}{2}$ inches deep.
 $4\frac{1}{2}$ inches in cylinder $1\frac{1}{8}$ inches diameter
 weigh $0\frac{1}{2}$ ounces.

Maximum thermometer Casella 13399 set up
 today. Set at noon - reading 17.0

WEDNESDAY, JANUARY 31, 1872.

	7	10 11	2 $1\frac{1}{6}$	4 $5\frac{1}{2}$ 9
Barom.		30.142		
Atm. Pr.		53.1		
3235		15.9	18.3	12.4
No. 4	4.0	15.3	17.9	12.2
Min.		3.8 (15.0)		
Day		16.7		
Wet		13.6		
Solar				
Max.				102.9 (13.9)
Gauge		0		19.2 (13.5)
Wind		6 ^e W		
Clouds		0		

THURSDAY, FEBRUARY 1, 1872.

	7	10	2	4	9
Barom.		30.309		30.318	
Atm. Pr.		59.5		67.6	
Gas. 3235		13.4	21.0	22.6	14.0
No. 4	3.0	12.5	20.7	22.0	13.5
Min.		2.9 (12.5)			
Dry		14.2		23.1	
Wet		12.0		18.4	
Solar				100.9 (65.0)	
Moax.			21.0 ^{not set}		22.0 (15.0)
Gauge C		0			
Wind		3 rd NW		4 th NW	
Clouds		0		0	

3235 Min. Moax.
 11²/₅ AM 18.7 18.0 18.3

FRIDAY, FEBRUARY 2, 1872.

	7	10	2	4	9 10 1/2
Barom.		30.462		30.500	
Atm. Pk.		58.7		71.0	x 11.5
3235		12.8	24.0	24.8	x 14.0
No. 4	4.0	12.2	23.5	24.2	
Min.		2.6 (12.0)			
Dry		13.8		25.2	
Wet		12.0		20.1	
Solar				100.5 (68.2)	
Max.			23.6		94.6 (12.0)
Gauge C		0			
Wind		1 ² W		4 ² W	
Clouds		0		0 R	

11.5

11.0

24.6

12.0

At 7 1/2 P.M., 3235 15.0 No. 4 14.8

10 1/2 P.M.

11.5

11.0

31

3.5

3.8

13

1.13

1.23

18

1.469

1.599

2.034

2.214

At 9 P.M. by interpolation 13.5

13.2

SATURDAY, FEBRUARY 3, 1872.

	7	10	2	4	9
Barom.		30.384		30.050	
Atm. Pr.		60.8		61.7	
3235		28.9	29.3	29.7	31.6
No. 4	20.2	28.7	28.9	29.1	31.0
Main.		4.5 (28.0)			
Dry		29.7		30.2	
Wet		26.1		29.1	
Solar				68.0 (31.6)	
Max.		28.4			31.0
Gauge C		0			
Wind		10 ^e E		20 ^e E	
Clouds		10 P. Pm		10 P. (snowing)	

Snow beginning about 10^h A.M.

SUNDAY, FEBRUARY 4, 1872.

	7	10	11 ⁵ / ₆	4 ⁵ / ₅	9
Barom.		29.342		29.708	
Alt. Th.		55.0		68.5	
3235		24.9	27.9	27.8	23.5
No. 4	19.5	24.3	27.4	27.0	23.0
Min.		20.8 (23.9)			
Dry		25.7		28.2	
Wet		24.0		24.0	
Solar				125.0 (36.2)	
Max.					30.9 (23.6)
Gauge C		138 ⁷ / ₁₀			
Wind		8 ^c NW		5 ^c NW	
Clouds		10 Pz snowing		2 Fm	

Some snowflakes after 10 A.M. but little
 cleared off about 1 P.M.

X
 13⁴ mean 5¹/₂
 at 10 A.M. 8
 snow bin. depth 5¹/₂
 compact.
 19 inches in
 cylinder 1¹/₂ in. 5
 in diameter
 weigh 7 ounces 5¹/₂
 6
 5

19 in. 7 oz.

Reddish light diffused
 in southern sky at 6^h 25^m P.M.
 from below Orion to equator of Pegasus;
 before 7^h 25^m becoming somewhat more
 concentrated and whiter. Diffused green
 light in the north gradually increasing
 during this time. At 7^h 35^m band in
 the south nearly white covering most
 of Can. Major. At 7^h 4^m mainly red again
 in the S. great diffused light over sky
 at 7^h 5^m At 8^h 10^m light somewhat at 8^h 15^m

MONDAY, FEBRUARY 5, 1872.

	7	10	2	4	9
Barom.		30.18.1		30.22.0	
Atm. Th.		65.4		66.9	33.4
3235		28.9	39.5	39.5	32.7
No. 4		28.1	38.9	39.0	
Moist.		19.4 (28.1)			
Dry		29.6		40.0	
Wet		26.2		36.9	
Solar				103.5 (47.1)	
Max.					39.0 (33.0)
Gauge C		0			
Wind		7 ^c W		4 ^e W	
Clouds		0		9/10	

A little aurora in the north
at 10¹/₃ P.M.

9 7¹/₂ 34.8
34.2
8 10¹/₃ 32.8
32.2
17) 2.0 1.1 1.8
1.0 62
1.0 44

At 9 P.M. by interpolation {33.7} by observation {33.4}
{33.1} {32.7}

TUESDAY, FEBRUARY 6, 1872.

	7	10	2	4	9 $\frac{1}{2}$
Barom.		30.218		29.957	
Atm. Th.		64.4		66.6	
3235		31.2	44.0	45.4	44.0
No. 4	23.2	30.9	43.8	45.0	39.6
Min.		21.5 (30.3)			
Day		32.3		45.9	
Wet		29.8		40.6	
Solar				106.1 (58.9)	
Max.		-			45.3 (39.3)
Gauge C		0			
Wind		1 st SW		7 th S	
Clouds		10 Pm		4 Pm 7m	

17 7 35 42.2
 42.1
 18 9 30 40.0
 39.6
 20) 2.2 2.5
 .096 .109
 1.622 1.853
 576 .654
 Avg P.M. by interpolation 40.6
 40.2

WEDNESDAY, FEBRUARY 7, 1872.

	7 ¹	10	2 ⁵ / ₆	4	9
Barom.		30.345		30.500	
Atm. Th.		58.6		59.6	
" 32.35		23.0	24.5	24.6	18.0
No. 4	20.2	22.7	24.1	24.1	17.8
Min.		20.2 (22.0)			
Dry		23.7		25.0	
Wet		18.6		19.3	
Solar				980 (72.1)	
Max.					39.5 (19.0)
Gauge C		2			
Wind		8° NW		8° N	
Clouds		0 R		0 R R	

Some aurora at 7 ³/₄ P.M.
None seen at 9 ¹/₂ P.M.

$7 \frac{5}{6}$ 20.0
 $7 \frac{5}{6}$ 19.6
 15 10 19) 2.3
 2.1
 .2
 .12
 .11
 .180
 .45
 2.28
 1.65
 .44
 2.09

 $\frac{4}{19}$ 9 ⁵/₁₂ 17.7
 17.5
 At 9 ¹/₁₂ P.M. by interpolation {18.2} by observation {18.0}
 At 9 ¹/₁₂ {17.7}
 {17.3}

THURSDAY, FEBRUARY 8, 1872.

	7	10	2	4	9
Barom.		30.550		30.390	
Att. H.		65.6		65.8	
3235		17.80	29.7	30.7	23.9
No. 4		17.5	29.1	30.2	23.3
Min.		14.1 (16.8)			
Dry		18.5		31.0	
Wet		15.7		24.9	
Solar				102.0 (57.2)	
Max.					31.3 (24.0)
Gauge C		0		0	
Wind		5 ^e N		3 ^e SW	
Clouds		4 P. Rm		5 P. Rm	

6 $7\frac{1}{2}$ 25.0
 5 $10\frac{1}{4}$ 21.0
 22.2
 21.5
 At 9 P.M. by interpolation {23.5} by observation {23.9}
 {22.6} {23.3}

FRIDAY, FEBRUARY 9, 1872.

	7	10	12 $\frac{1}{2}$	4	9 $\frac{1}{2}$
Barom.		30.338			
Att. Th.		58.3			
32.35		21.7	33.2		31.0
No. 4	14.7	21.3	32.8		30.6
Min.		13.7 (20.5)			
Dry		22.4			
Wet		20.4			
Solar					
Max.					32.5 (30.4)
Gauge		0			
Wind		8 ^e N			
Clouds		90 P.M. thin			

SATURDAY, FEBRUARY 10, 1872.

	7	10	2	4	9
Barom.		30.119	30.08	30.092	
Att. Th.		62.2		72.4	
3235		27.2	28.8	29.0	29.1
No. 4	25.0	26.9	28.5	28.8	28.8
Min.		20.6 (26.2)			
Dry		28.0		29.7	
Wet		25.4		26.5	
Solar				68.4 (34.2)	
Max.					30.4 (28.9)
Yang C		0			
Wind		14° NE		14° NE	
Clouds		10 P		10 Pm	

SUNDAY, FEBRUARY 11, 1872.

	7	10	21 ³ / ₄	4	9
Barom.		30.020		30.000	
Att. Th.		56.4		62.2	
3235		31.7	37.1	37.4	35.2
No. 4	26.3	31.5	36.9	37.0	34.9
Min.		25.3 (30.9)			
Dry		32.2		37.8	
Wet		26.0		30.0	
Solar				58.0 (44.4)	
Max.					37.3 (34.4)
Gauge C		0			
Wind		6 ¹ / ₂ N		4 ¹ / ₂ NE	
Clouds		10 Pm		10 Pm	

MONDAY, FEBRUARY 12, 1872.

	7 ^{1/2}	10	2	4	9
Barom.		30.084		30.040	
Atm. Th.		65.3		72.8	
3235		38.2	47.6	47.9	38.7
No. 4	28.8	37.2	47.1	47.3	37.9
Min.		28.3 (37.1)			
Dry		39.0		48.2	
Wet		32.6		40.1	
Solar				114.4 (86.9)	
Max.					47.2 (37.9)
Gauge C		.0			
Wind		2 ^e SW		2 ^e SW	
Clouds		7 R Rm		0 Rs haze	

TUESDAY, FEBRUARY 13, 1872.

	7	10	3	4	9
Barom.		30.089		29.975	
Att. Th.		65.7		69.6	
3235		37.4	38.0	36.6	36.0
No. 4	27.6	36.9	37.5	36.0	34.6
Min.		27.2 (36.3)			
Dry		38.0		36.9	
Wet		34.3		33.9	
Solar				1043 (47.6)	
Max.					38.1 (34.6)
Gauge C		0			
Wind		7 ^e E		12 ^e E	
Clouds		0 Po 7m hazy		10 Pm	

Rain in the night

WEDNESDAY, FEBRUARY 14, 1872.

	7	10	2	4	9
Barom.		29.323		29.398	
Atm. Ph.		67.9		67.7	
3235		39.5	*38.4	*27.3	18.0
No. 4	35.0	39.0	*38.6	*28.2	17.7
Min.		33.1 (38.5)			
Dry		40.1		29.0	
Wet		38.9		25.3	
Solar				81.8 (67.1)	
Max.					38.5 (19.3)
Gauge		85			
Wind		6° S		10° W	
Clouds		10 Pm		1 M Fm	

* Read carefully

A little snow at 2 P.M.

At 4 P.M. A $165\frac{1}{4}$ miles

THURSDAY, FEBRUARY 15, 1872.

	7	10 1/2	2	4	10 1/2
Barom.		29.508		29.516	
Atm. Ph.		156.2		62.9	
3235		15.7	21.7	22.0	16.9
No. 4	10.2	15.1	21.0	21.7	16.1
Min.		9.9 (14.8)			
Dry		46.5		22.7	
Wet		13.7		18.3	
Solar				94.2 (41.4)	
Max.					24.0 (17.4)
Gauge C		0			
Wind		6 ^e SW		7 ^e W	
Clouds		0 P		4 th Fm M Pn Pm	

13 7 55 19.0
 14 10 1/2 18.4
 17 2.1 0.77 16.9
 27 2.3 0.85 16.1
 27 2.1 0.77 16.9
 27 2.3 0.85 16.1
 At 9 P.M. by interpolation 17.0
 17.1

FRIDAY, FEBRUARY 16, 1872.

	7	10	2	4	9 11 1
Barom.		29.618		29.621	29.6
Atm. Pr.		60.1		63.5	
3235		27.8	33.8	35.0	+27.3
No. 4	16-3	27.1	33.3	34.3	+26.8
Min.		14.2 (26.7)			
Dry		28.4		35.4	
Wet		23.7		29.1	
Solar				103.6 (71.2)	
Max.					34.3 (27.6)
Gauge C		0			
Wind		15 ^e NW		9 ^e W	
Clouds		0		0 Pr	

X
 7 7 50 30.4
 29.8
 27.3
 12 11 10 26.8

3.1 3.0
 .155 .15
 1.085 1.05
 2.015 1.95

At 9 P.M. by interpolation 29.3
28.8

SATURDAY, FEBRUARY 17, 1872.

	7	10	2	4	9
Barom.		29.856		29.872	
Att. Th.		64.2		75.9	
3235		21.8	29.0	31.8	22.6
No. 4	19.7	21.4	28.5	31.2	22.2
Min.		18.9 (20.8)			
Dry		22.2		32.0	
Wet		19.9		24.5	
Solar				107.0 (74.4)	
No. 5					31.2 (22.9)
Gauge C		0			
Wind		5 ^e NW		4 ^e NIE	
Clouds		5 Rs		0 Rs	

SUNDAY, FEBRUARY 18, 1872.

	7	10	2 1/2 3	4	9
Barom.		30.062			
Atm. Th.		64.8			
3235		21.6	32.6		
No. 4	13.5	20.7	31.8	8.91	
Min.		12.7 (20.6)			
Dry		22.0			
Wet		17.0			
Solar					
Max.					
Gauge		0			
Wind		5e SW			
Clouds		0			

MONDAY, FEBRUARY 19, 1872.

	$7\frac{1}{2}$	10	2	4	9
Barom.					
Atm. Th.					
3235					
No. 4	19.5				
Min.					
Dry					
Wet					
Polar					
Max.					
Gauge C					
Wind					
Clouds					

TUESDAY, FEBRUARY 20, 1872.

	7	10	2	4	9
Barom.					
Att. Th.					
3235					
No. 4	21.0				
Min.					
Dry					
Wet					
Solar					
Mercur.					
Gauge C					
Wind					
Clouds					

WEDNESDAY, FEBRUARY 21, 1872.

	7	11 ¹ ₅	2	4	9
Barom.		29.623			
Atm. Thr.		65.1			
3235		41.3			
No. 4	19.5	40.8			
Min.		18.1 (40.4)			
Dry		41.8			
Wet		55.2			
Solar					
Max.					
Gauge		0			
Wind		3 ^e W			
Clouds		3 M 7m			

THURSDAY, FEBRUARY 22, 1872.

	7	10	2	4	9
Barom.					
Att. Th.					
3235			525		
No. 4			579		
Min.			0.9 (57.1)		
Dry					
Wet					
Solar				1272	
Max.			51.5		
Gauge					
Wind					
Clouds					

FRIDAY, FEBRUARY 23, 1872.

	7	10	2	3 ² ₃	9
Barom.				29.921	
Att. Th.				63.3	
3235				23.8	
No. 4	1.5			23.3	
Min.					
On				24.3	
Wet				18.7	
Solar				114.0 (65.9)	
Max.					
Gauge C					
Wind				3 ^e SW	
Clouds				5 R Rs	

At 3 $\frac{1}{4}$ P.M. Dry bulb 23.9 Wet bulb before wetting 22.9
 Gauge C has been meddled with: the bottle has been
 carried away. The funnel was found lying some
 distance from the receiver.

SATURDAY, FEBRUARY 24, 1872.

	7	10	2	4	7 ¹ / ₄
Barom.				29.676	
Alt. Th.				68.2	
3235			52.6	52.2	44.0
No 4	30.0		51.9	51.5	43.2
Min.			0.9 (51.1)		
Dry				52.9	
Wet				41.9	
Solar				121.2 (94.1)	
Max.			51.5		51.7 (42.8)
Gauge C				0	
Wind				3 ^e SW	
Clouds				0 Rs haze	

+ Not out

SUNDAY, FEBRUARY 25, 1872.

	7	10	2	4 $\frac{1}{2}$	5 $\frac{5}{6}$
Barom.		29.555		29.492	
Att. Th.		70.7		72.0	
32.35		42.6	44.5	43.3	42.0
No. 4	37.5	42.3	44.1	43.4	41.3
Min.		31.6 (41.2)			
Dry		43.0		43.6	
Wet		40.9		41.5	
Glar				94.9 (49.0)	
Max.					45.4 (41.0)
Gauzel		0			
Wind		2 ^e SW		3 ^e NW	
Clouds		10 Pm a little rain beginning		10 Pm	

MONDAY, FEBRUARY 26, 1872.

	7	10	2	4	9
Barom.		29.821		29.779	
Att. Th.		66.0		63.3	
3235		17.7	16.8	18.2	17.0
No. 4	18.7	17.2	16.3	17.7	16.5
Min.		16.0 (16.4)			
Dry		18.0		18.8	
Wet		13.5		13.8	
Solar				92.4 (69.6)	
Max.					41.0 (17.8)
Gauge C		4			
Wind		15° W		20° W	
Clouds		0		0	

TUESDAY, FEBRUARY 27, 1872.

	7	10	2	4	9
Barom.		29.699		29.610	
Att. Th.		54.1		60.0	
3235		16.9	24.5	25.3	18.2
No. 4	12.2	16.4	23.9	24.8	18.0
Min.		11.8 (15.8)			
Dry		17.4		25.8	
Wet		12.19		19.4	
Solar				101.5 (68.9)	
Max.					25.0 (20.6)
Gauge		0			
Wind		25° NW		20° NW	
Clouds		1 Pz Rs		1 Pz Rs	

A little auroral light seen in
the north 8½ to 9 P.M.

WEDNESDAY, FEBRUARY 28, 1872.

	7	10	2	4	9
Barom.		29.710		29.708	
Att. Th.		58.0		63.8	
3235		19.0	28.8	29.2	21.0
No. 4	12.2	18.5	28.1	28.8	20.4
Min.		12.0 (18.0)			
Dry		19.7		29.7	
Wet		15.6		22.6	
Solar				99.3 (69.3)	
Max.					29.3 (21.1)
Gauge C		0			
Wind		18 ^c NW		28 ^c NW	
Clouds		1 Pz Rs		0 Pz Rs	

THURSDAY, FEBRUARY 29, 1872.

	7	10	2	4	9
Barom.		29.850		29.781	
Alt. Th.		56.0		61.7	
3235		19.7	26.5	27.8	20.2
No. 4	10.8	19.0	26.0	27.4	19.9
Min.		10.3 (18.6)			
Dry		20.0		28.1	
Wet		15.5		21.4	
Solar				111.2 (40.5)	
Max.					28.4 (20.4)
Gauge		0			
Wind		7° NW		10° W	
Clouds		0. Pr. Rs. 7m		10. Pr. Rm. Pr.	

FRIDAY, MARCH 1, 1872.

	7	10	2	4	10 ⁵ / ₆
Barom.		29.900		29.938	
Att. Th.		54.9		67.0	
3285		17.9	25.9	27.2	17.6
No. 4	10.5	17.4	25.4	26.7	17.4
Min.		9.7 (17.0)			
Dry		18.4		27.7	
Wet		14.1		24.9	
Solar				99.0 (71.3)	
Max.					26.9 (18.3)
Gauge C		0			
Wind		12 ² NW	WN.	10 ² NW	
Clouds		0 Rs		0	

$4 \frac{1}{4}$ $\times 27.8$
 $\times 21.0$

8 $7 \frac{2}{3}$ 230 19) 5.4 .28 2.24
 3 223 5.2 .27 2.16
 11 $10 \frac{5}{6}$ 17.6 At 9 P.M. by interpolation 2.197
 20.7
 20.1

Aurora at $10 \frac{3}{4}$ P.M. arch & some
 streamers, both undefined

SATURDAY, MARCH 2, 1872.

	7	10	2	4	9
Barom.		29.952		29.674	
Alt. Th.		64.3		65.8	
3235		16.1	21.0	21.7	24.0
No. 4	10.7	15.7	20.6	21.1	23.8
Min.		9.9 (15.0)			
Dry		16.8		22.2	
Wet		13.9		20.0	
Solar				71.6 (22.9)	
Max.					24.0
Gauge C		0			
Wind		8° NW		10° N	
Clouds		10 R		10 R. snowing a little	

SUNDAY, MARCH 3, 1872.

	7	40	$2\frac{1}{2}$	$4\frac{3}{4}$	10 $\frac{4}{3}$
Barom.		29.783		29.843	
Alt. Th.		63.5		71.3	
3235		27.6	32.7	33.5	24.8
No. 4	23.0	27.4	32.1	32.9	24.1
Min.		15.1 (26.5)			
Dry		28.3		34.0	
Wet		23.9		27.7	
Solar				119.3 (53.8)	
Max.					32.6 (24.8)
Gauge C					
Wind		8 ^e NW		7 ^e W	
Clouds		10 Pt thin		0	

Measures of snow

$1\frac{1}{2}$
 $2\frac{1}{4}$
 $2\frac{3}{4}$
 $2\frac{1}{2}$
 $1\frac{1}{4}$
 $1\frac{3}{4}$
 $1\frac{1}{4}$
 $1\frac{1}{2}$
 $1\frac{3}{4}$

 $17\frac{3}{4}$

14 inches in
 cylinder $1\frac{7}{8}$ inches
 diameter
 weigh $3\frac{1}{2}$ ounces

MONDAY, MARCH 4, 1872.

	7	10	2	4	9
Barom.		29.802		29.620	
Alt. Th.		63.4		66.2	
3235		32.8	37.5	34.9	27.0
No. 4	20.2	32.4	37.2	34.6	28.2
Min.		17.1 (31.9)			
Dry		33.2		35.2	
Wet		29.3		32.0	
Polar				100.2 (44.3)	
Max.					39.2 (27.4)
Gauge C		00			
Wind		5 ^e S		9 ^e S	
Clouds		10 P		10 P snowing	

Read carefully

TUESDAY, MARCH 5, 1872.

	7	10	2	4	9
Barom.		29.769		29.750	
Att. Th.		59.6		52.4	
3235		-3.2	0.3	0.0	-1.1
No. 4	-4.2	-4.0	-0.6	-0.7	-1.3
Min.		-5.8 (-4.2)			
Dry					
Wet					
Solar				86.7 (44.3)	
Max.					27.3 (3.8)
Gauge C					
Wind		17 ^e W		20 ^e SW	
Clouds		0		0 7m	

Low auroral arch at 9¹/₄ P.M.

WEDNESDAY, MARCH 6, 1872.

	7	10	2	4	10 1/2
Barom.		29.572		29.669	
Att. Th.		40.3		53.6	
3235		1.9	5.9	7.7	4.0
No. 4	-3.2	1.4	5.6	7.2	3.3
Min.		-5.2 (1.0)			
Dry				8.2	
Wet				4.0	
Polar				80.9 (52.2)	
Max.					7.9 (5.7)
Gauge C		0			
Wind		18° W		15° W	
Clouds		9 P. thin		9 P. 7m	

A little aurora at 10 1/2 P.M.

THURSDAY, MARCH 7, 1872.

	7	10	2	4	9
Barom.		30.005		29.950	
Atm. Th.		55.7		64.1	
3235		13.0	22.0	26.1	22.9
No. 4	-0.2	12.6	21.7	25.7	22.7
Min.		-0.2 (11.0)			
Dry		13.8		26.8	
Wet		11.0		21.4	
Solar				97.7 (66.0)	
Max.					26.0 (23.0)
Gauge C		0			
Wind		16 ² NW		6 e SW	
Clouds		0 fm		5 P. Rm	

FRIDAY, MARCH 8, 1872.

	7	8	9	10	11
Barom.		29.980		29.977	
Att. Th.		51.1		75.0	
3235		22.6	28.7	29.0	22.0
No. 4	14.3	22.0	28.2	28.6	21.4
Min.		12.0 (21.4)			
Dry		23.1		29.6	
Wet		18.3		22.4	
Solar				102.8 (74.2)	
Max.					29.0 (22.0)
Gauge C		0			
Wind		7 ^e SW		8 ^e NW.	
Clouds		0		0 R R	

Auroral arch at 8 P.M. well defined about 3° wide lower edge about 2° from horizon at vertex. Sky below very dark. No aurora at 9 P.M. A little at 10 P.M.

SATURDAY, MARCH 9, 1872.

	7	10	2	4	9
Barom.		30.083		30.013	
Att. Th.		54.1		59.5	
3235		+ 25.7	30.7	30.9	30.2
No. 4	14.0	+ 26.2	30.1	30.3	29.8
Min.		13.0 (25.0)			
Dry		26.2		31.3	
Wet		21.1		27.0	
Solar				91.5 (44.0)	
Max.					30.9 (29.9)
Gauge C		0			
Wind		0 SW		1 ² E	
Clouds		10 Pr (thin)		10 Pr	

+
Read carefully

SUNDAY, MARCH 10, 1872.

	7	10	2	4	9
Barom.		29.567		29.278	
Att. Th.		60.0		65.0	
32.05		33.8	33.2	33.7	36.2
No. 4	33.2	33.2	32.9	33.2	35.8
Min.		24.8 (32.7)			
Dry		34.1		34.2	
Wet		33.1		33.0	
Solar				44.0 (39.0)	
Max.		61			35.4
Gauge C		6 ^c N		7 ^c N	
Wind		10 Pm		10 Pm	
Clouds		raining		raining	

MONDAY, MARCH 11, 1872.

	7	10	2	4	9
Barom.		29.910		30.029	
Atm. Th.		48.1		67.2	
3235		34.8	38.5	38.6	33.1
No. 4	29.7	34.2	37.8	38.0	32.7
Min.		28.7 (33.8)			
Dry		35.2		39.0	
Wet		29.3		32.4	
Solar				111.3 (74.3)	
Max.					38.0 (32.3)
Gauge C		45			
Wind		5 ^e W		5 ^e W	
Clouds		0 Fin		5 P. P. M. Fin	

TUESDAY, MARCH 12, 1872.

	7	90	2	4	95 $\frac{1}{4}$
Barom.		30.050		29.995	
Att. Th.		65.4		65.1	
3235		19.4	18.0	19.0	19.5
No. 4	25.2	18.9	17.7	18.7	19.0
Min.		18.5			
Dry		20.2		19.8	
Wet		18.7		18.3	
Solar				74.1 (32.0)	
Max.					32.5 (20.2)
Gauge C		x			
Wind		10 ^e N		10 ^e W	
Clouds		10 Pr		10 Pr	
		snowing snow about 1 inch deep		snowing	

* See March 13

WEDNESDAY, MARCH 13, 1872.

	7	10 11	2	4	9
Barom.		30.23 H		30.198	
Alt. Th.		63.5		69.7	
3235		23.6	29.0	31.4	28.0
No. 4	10.8	23.0	28.9	31.4	27.5
Min.		40.1 (22.5)			
Day		24.2		32.0	
Wet		19.0		26.0	
Polar				116.6 (45.0)	
Max.					31.4 (28.0)
Gauge C		x			
Wind		4 ^e NW		4 ^e S	
Clouds		0 Rs		10 Pm fm	

* Snow $18\frac{1}{4}$ deep by mean of 10 measures
 $18\frac{1}{4}$ inches in cylinder $1\frac{7}{8}$ inch diameter
 weigh $4\frac{1}{2}$ ounces

THURSDAY, MARCH 14, 1872.

	7	10	2	4 ¹ / ₆	9
Barom.		30.106		30.043	
Att. Th.		65.4		70.9	
3235		39.6	44.0	43.9	34.7
No. 4	26.2	38.9	21.3:8	43.4	34.0
Min.		22.5 (38.6)			
Dry		40.2		44.4	
Wet		34.0		36.4	
Polar				116.7 (78.4)	
Max.					43.8 (34.1)
Gauge C		0			
Wind		He SW		2 ^e SW	
Clouds		4 Rs haze		0 haze	

FRIDAY, MARCH 15, 1872.

	7	10	2	4	10 ³ / ₄
Barom.		29.668		29.869	
Atm. Pr.		65.2		68.4	
3235		32.7	23.9	22.0	x 12.5
No. 4	31.3	32.3	23.5	21.5	x 12.2
Min.		30.6 (32.0)			
Dry		33.7		22.7	
Wet		29.5		17.7	
Solar				30.9 (75.9)	
Max.					34.0 (13.4)
Gauge C		22			
Wind		20 ^e NW		16 ^e NW	
Clouds		9 Pm 7m M		0	

Snow 4 inches deep. 20 inches in cylinder
 1 ⁷/₈ inches diameter weigh 2 ³/₈ oz.

8 15.2 10 ³/₄ 12.5 11 2.7 2.45 .98
 14.8 12.2 11 2.6 2.36 .944
 1.652
 At 9 P.M. by interpolation 14.2
 13.9

Slight appearance of aurora seen 10 ¹/₂ to
 11 P.M.

SATURDAY, MARCH 16, 1872.

	7	10	2	4	9
Barom.		30.152	30.067		
Alt. Th.		62.6	70.0		
3235		18.0	25.0	26.8	21.8
No. 4	9.3	17.6	24.7	26.3	21.2
Min.		8.3 (17.1)			
Dry		18.8		27.1	
Wet		14.7		21.1	
Solar				11.3 (71.7)	
Max.					26.4 (21.8)
Gauge C		0			
Wind		5 ^e W		3 ^e S W	
Clouds		0		0	

SUNDAY, MARCH 17, 1872.

	7	10	12 $\frac{1}{3}$	4	9
Barom.		29.910		29.735	
Alt. Th.		59.9		60.4	
3235		30.0	*36.1	33.8	30.0
No. 4	18.7	30.0	*36.6	33.9	29.9
Min.		14.7 (29.0)			
Dry		30.8		34.2	
Wet		26.2		32.0	
Solar				79.4 (45.2)	
Max.					36.9 (30.0)
Gauge C		0			
Wind		12 SW		6° S.W	
Clouds		10 Pz		10 Pz snowing	

12 $\frac{1}{3}$ 36.1
36.6

carefully read.

yc lost 29.9

MONDAY, MARCH 18, 1872.

	7	10	2	4	9 ¹⁰ ₁₂
Barom.		29.720		29.850	
Att. Th.		59.0		74.9	
9235		24.6	27.8	27.6	x 18.8
No. 4.	19.2	23.9	27.4	27.0	x 18.2
Min.		18.6 (23.4)			
Dry		25.1		28.1	
Wet		20.2		22.1	
Solar				113.7 (72.9)	
Max.					30.0 (19.0)
Gauge C		0 ¹ ₁₀			
Wind		13 ^e W		11 ^e W	
Clouds		0 Fm		4 Fm	

$34 \frac{17}{51}$ $6 \frac{1}{6}$ 24.5 24.6 5.7 $.1118$
 5.8 $.1137$ 1.9 1.93
 3.8 3.86
 * At 9 P.M. by interpolation 20.7
 20.4

TUESDAY, MARCH 19, 1872.

	7	10	2	4	9
Barom.		29.550		29.598	
Alt. Th.		57.8		66.1	
3235		39.7	37.2	38.1	26.6
No. 4	33.6	39.4	37.1	37.8	26.0
Min.		17.2 (38.6)			
Dry		40.1		38.8	
Wet		36.7		31.0	
Solar				105.9 (78.0)	
Max.					43.6 (26.8)
Gauge C		0			
Wind		12 ^e S		25 ^e W	
Clouds		10 P. Pm		1 P. M. 7 m	

Snow at 1 1/2 P.M. i

WEDNESDAY, MARCH 20, 1872.

	7	10	2	4	9
Barom.		29.876		29.800	
Att. Th.		55.8		59.8	
3235		15.7	12.2	13.5	11.5
No. 4	10.5	15.0	11.8	13.0	11.1
Min.		10.4 (14.9)			
Dry		16.1		14.0	
Wet		12.0		10.5	
Solar				88.9 (59.7)	
Max.					269 (132)
Gauge C		7/10			
Wind		25 ^e SW		20 ^e W	
Clouds		3 Fm		2 Fm	

THURSDAY, MARCH 21, 1872.

	7	10	2	4	9
Barom.		29.908		29.896	
Atm. Th.		56.6		64.4	
3235		13.5	18.0	20.2	17.2
No. 4	8.3	12.9	17.5	19.6	16.8
Min.		7.1 (12.4)			
Dry		14.2		20.9	
Wet		10.9		16.2	
Solar				94.5 (63.3)	
Max.					20.5 (17.4)
Gauge C		0			
Wind		13 ^e W		13 ^e NW	
Clouds		0 R		0 R, R, Fm	

FRIDAY, MARCH 22, 1872.

	7	10	12 $\frac{1}{3}$	4	9 $\frac{1}{4}$
Barom.		30.136		30.071	
Att. Th.		60.3		65.0	
3235		20.0	25.0	28.3	23.2
No. 4	12.2	19.6	24.4	27.8	22.7
Min.		11.0 (19.0)			
Dry		20.7		28.8	
Wet		15.9		21.3	
Solar				102.2 (73.5)	
Max.					28.0 (23.4)
Gauge C		0			
Wind		10 ^e W		9 ^e NW	
Clouds		0		0	

SATURDAY, MARCH 23, 1872.

	7	10	2	4	9
Barom.		30.016		29.782	
Att. Th.		65.7		63.4	
3235		35.4	33.7	28.7	28.0
No. 4	18.3	34.9	33.4	28.0	27.7
Min.		16.0 (34.3)			
Dry		36.0		29.0	
Wet		31.3		27.6	
Solar				98.0 (33.6)	
Max.					36.0 (27.8)
Gauge C		0			
Wind		3 ^e S		2 ^e NE	
Clouds		9 Pm Mm Fm Pm		10 P snowing	

$$\begin{array}{r} 13 \overline{) 0.9} \\ .07 \\ .35 \\ .56 \end{array}$$

$$\begin{array}{r} 13 \overline{) 0.8} \\ .06 \\ .30 \\ .48 \end{array}$$

8
 At 9 P.M. by interpolation { 28.4 } by observation { 28.0 }
 11 { 27.9 } { 27.7 }

SUNDAY, MARCH 24, 1872.

	7	10	2 1/2	4	9
Barom.		29.949		30.091	
Att. Th.		59.0		56.6	
3235		29.0	33.8	34.7	27.8
No. 4	23.5	28.6	33.4	34.1	27.5
Min.		21.9 (28.2)			
Dry		30.0		35.1	
Wet		25.4		28.7	
Solar				* 121.4 (763)	
Max.					34.3 (27.9)
Gauge C		* 27			
Wind		14 ^e W		7 ^e SW	
Clouds		0 fm		0	

* 11 A.M. Mean of 10 measures of snow $5\frac{3}{4}$ inches, 30 inches in cylinder $1\frac{7}{8}$ inches diameter weigh $3\frac{7}{8}$ ounces, which gives for the rainfall 0.466 inches.

* Same reading at 11 A.M. when the snow was cleared away from the thermometer.

Continued at page 1485

MONDAY, MARCH 25, 1872.

	7	10	2	4	9
Barom.		30.483		30.454	
Atm. Th.		61.1		69.0	
3235		31.3	38.1	36.4	31.7
No. 4	24.0	30.8	38.0	35.9	31.0
Min.		48.9 (30.4)			
Dry		32.0		36.6	
Wet		26.8		29.8	
Solar				111.2 (57.1)	
Max.					37.9 (31.1)
Gauge C		0			
Wind		12 W		3 E	
Clouds		0 haze		10 P	

TUESDAY, MARCH 26, 1872.

	7	10	2	4	910
Barom.		30.341		30.244	
Att. Th.		68.0		65.5	
3235		36.0	37.2	36.2	34.0
No. 4	21.5	35.7	37.0	36.0	33.4
Min.		29.6 (35.1)			
Dry		36.5		36.7	
Wet		32.4		33.4	
Solar				89.7 (498)	
Max.					37.6 (33.6)
Gauge C		0			
Wind		8 ² E		8 ² E	
Clouds		10 Pm		10 Pm	

WEDNESDAY, MARCH 27, 1872.

	7	10	2	4	9
Barom.		30.120		30.088	
Alt. Th.		66.7		69.4	
3235		32.7	37.6	37.6	32.1
No. 4		32.4	37.6	37.3	31.8
Min.		28.9 (31.9)			
Dry		33.1		38.0	
Wet		31.0		34.0	
Solar				118.9 (58.7)	
Max.					37.6 (31.9)
Gauge C		X 15 1/2			
Wind		10 th N		7 th NE	
Clouds		10 P. snow		10 P. M. Fm Pm	

At 10 A.M. mean of 10 measurements gives
 $2\frac{3}{4}$ inches of snow of which
 16 inches in cylinder $1\frac{7}{8}$ diameter weigh
 $2\frac{3}{4}$ ounces. Hence rainfall 0.297 inches.

Read carefully

FRIDAY, MARCH 29, 1872.

	7	10	2	4	9 $\frac{1}{6}$
Barom.		29.960		29.959	
Atm. Th.		65.6		70.8	
3235		* 40.3	42.0	37.0	34.0
No. 4		* 40.6	41.7	36.9	33.1
Min.		32.0 (39.4)			
Dry		41.0		37.6	
Wet		36.5 36.5		34.3	
Solar		36.5		100.0 (41.9)	
Max.		-			38.4 (33.6)
Gauge C		0			
Wind		3 ^e NW		5 ^e NE	
Clouds		10 Pm		10 Pm a little rain	

* Read carefully

SATURDAY, MARCH 30, 1872.

	7	10 $\frac{1}{4}$	2	4	9
Barom.		30.160		30.137	
Att. Th.		66.0		69.2	
3235		37.0	41.9	42.9	34.3
No. 4	31.3	36.4	41.1	42.4	33.8
Min.		27.1 (36.0)			
Dry		37.7		43.4	
Wet		31.4		34.0	
Solar				1148 (88.0)	
Max.					42.1 (34.0)
Gauge C		4			
Wind		4 ^e NW		3 ^e NW	
Clouds		0		0 Rs Fan	

SUNDAY, MARCH 31, 1872.

	7	10	2	4	9 ¹ / ₃
Barom.		29.920		29.524	
Alt. Th.		65.9		54.3	
3235		32.7	32.6	32.2	32.2
No. 4	29.2	32.2	32.0	31.9	31.9
Min.		30.5 (31.9)			
Dry		33.0		32.8	
Wet		31.0		31.6	
Polar				87.4 (33.9)	
Max.					34.0 (31.9)
Gauge C		23			
Wind		6 ^e NE		10 ^e NE	
Clouds		10 Pm raining		10 Pm raining	

At 10 AM snow 2.3 in. deep by
mean of 10 measures.
2.0 in. in cylinder 1 ¹/₄ in. diameter
weigh 4 ³/₄ ounces. Hence rainfall 0.343 inches

9.79770
0.67669
0.36173
8.69897
9.53509
0.343

MONDAY, APRIL 1, 1872.

	7	10	2	4	9
Barom.		29.485		29.530	
Atm. Th.		58.2		66.0	
3235		33.1	33.7	33.8	30.0
No. 4	28.7	32.4	34.1	33.4	29.6
Min.		26.2 (32.5)			
Dry		34.3		34.4	
Wet		31.9		28.7	
Solar				111.9 (54.9)	
Max.					32.9 (30.0)
Gauge C		100			
Wind		6 ^e W		14 ^e W	
Clouds		2 Pm Fm		10 Pm Pm Rs M Fm Pm	

* Read carefully.

05585.0
 05585.0
 05585.0
 05585.0
 05585.0
 05585.0

TUESDAY, APRIL 2, 1872.

	7	10	23	4	9
Barom.		29.944		30.010	
Alt. Th.		61.0		71.0	
32.35		35.2	41.0	41.8	35.2
No. 4	30.5'	35.0	40.5	41.1	34.6
Min.		28.9 (34.3)			
Dry		35.8		42.0	
Wet		28.8		33.4	
Solar				109.7 (86.0)	
Max.					41.0 (34.7)
Gauge C		0			
Wind		9 ^e W		4 ^e W	
Clouds		8 Pc		0 Fm	

$7\frac{1}{3}$ 37.2
 36.8

WEDNESDAY, APRIL 3, 1872.

	7	10	1 1/2	4 1/2	9 1/2
Barom.		30.015		29.968	
Att. Th.		67.9		70.0	
3235		41.1	44.0	42.9	43.9
No. 4	34.2	40.7	43.6	42.4	43.1
Min.		32.3 (40.1)			
Dry		42.0		43.1	
Wet		34.4		33.8	
Solar				125.6 (81.6)	
Max.					43.9 (35.0)
Gauge C		0 1/2			
Wind		se W		7e W	
Clouds		5 Pm 7m M		1 M 7m	

\times 8 3/4 37.1
 3 36.6
 2 9 1/2 34.9
 At 9 P.M. by interpolation 34.1 35.8
 35.1
 Below arrow at 9 1/2 P.M.

2.2 2.5 .44 .50 1.32 1.50 1.00

THURSDAY, APRIL 4, 1872.

	7	10	13 3	4	9 ¹ / ₆
Barom.		30.178		30.067	
Alt. H.		64.5		70.0	
3235		41.7	45.8	45.3	36.0
No. 4	33.0	40.9	45.1	44.9	35.4
Min.		30.4 (40.3)		*	
Dry		42.1		45.8	
Wet		35.6		37.4	
Solar				125.7 (93.0)	
Max.					45.1 (35.7)
Gauge C		0			
Wind		6 ^e N		7 ^e NW	
Clouds		0 M Fm		1 M R Fm	
		R (Fr)			

FRIDAY, APRIL 5, 1872.

	7	10	2	4	10 $\frac{11}{12}$
Barom.		30.150		30.124	
Att. Th.		63.6		71.1	
32.05		42.9	45.0	42.9	$\times 35.0$
No. 4	33.0	42.4	44.3	42.4	$\times 34.0$
Min.		30.3 (41.9)			
Dry		43.4		43.2	
Wet		35.6		35.4	
Solar				131.0 (89.8)	
Max.					46.0 (35.0)
Gauge C		0			
Wind		4 ^e W		2 ^e SE	
Clouds		5 P R R		0 M 7m	
		M			

$4 \frac{5}{12} \left\{ \begin{array}{l} 39.0 \\ 38.2 \end{array} \right.$
 $10 \frac{11}{12} \left\{ \begin{array}{l} 35.0 \\ 34.0 \end{array} \right.$
 At 9 P.M. by interpolation $\left\{ \begin{array}{l} 37.2 \\ 36.3 \end{array} \right.$

$42 \overline{) 4.095}$
 $\underline{4.2}$
 1805
 $\underline{2175}$
 3.98

SATURDAY, APRIL 6, 1872.

	7	10	2	4	9
Barom.		30.130		30.100	
Atm. Pr.		67.2		74.1	
3235		43.0	50.6	52.0	42.0
No. 4	33.2	42.8	50.2	51.7	41.4
Min.		30.1 (42.0)			
Dry		43.8		52.8	
Wet		37.0		42.0	
Solar				131.1 (99.0)	
Max.					51.8 (41.8)
Gauge C		0			
Wind		12 SW		8 NW	
Clouds		10 Pm P. 7m		0. 11m 7m	

At 6 P.M. gauge A 358 ounces
3.097 inches

7.93706
2.55388
0.49096

P.

This includes all since Feb. 14, but as gauge A is of little or no use for now the result is without value. The rainfall otherwise determined for the same period is 4.097 inches.

SUNDAY, APRIL 7, 1872.

	7	10	12	4	9
Barom.		30.210		30.200	
Atm. Th.		70.0		66.9	
3235		47.5	50.3	45.0	38.5
No. 4	37.5	47.1	50.2	44.7	37.9
Min.		32.1			
Dry		48.4		45.0	
Wet		41.8		41.8	
Solar				98.7 (46.7)	
Max.					50.0 (38.7)
Gauge		0			
Wind		4 e S		4 e S	
Clouds		10 P. Pm haze		10 Pm raining	

MONDAY, APRIL 8, 1872.

	7	10	2	4	9
Barom.		30.030		30.067	
Atm. Pr.		62.0		70.4	
3235		37.4	40.6	40.6	39.9
No. 4	35.0	36.9	40.1	40.0	39.4
Min.		35.0 (36.2)			
Dry		37.8		41.0	
Wet		36.2		38.8	
Solar				60.0 (43.9)	
Moap.					42.0 (39.2)
Gauge C		50			
Wind		14 ^e NE		9 ^e NE	
Clouds		10 Pm		10 Pm	

Gauge A at 1 $\frac{1}{4}$ P.M. 59 $\frac{1}{2}$ inches

TUESDAY, APRIL 9, 1872.

	7	10	2	4	9
Barom.		30.006		29.854	
Att. Th.		63.0		66.1	
3235		40.0	43.1	44.6	41.2
No. 4	38.8	39.8	42.9	44.2	40.8
Min.		36.2 (39.0)			
Dry		40.4		45.0	
Wet		39.2		43.6	
Solar				54.8 (48.2)	
Max.					43.9 (40.6)
Gauge C		12			
Wind		1 st S		1 st SE	
Clouds		10 Pm raining		10 Pm	

73 4 41.7
1110

WEDNESDAY, APRIL 10, 1872.

	7	10	2	4	9
Barom.		29.570		29.699	
Alt. Th.		65.5		67.2	
3235		53.8	54.0	52.0	43.9
No. 4	37.7	53.3	54.2	51.8	43.2
Min.		39.0 (52.8)			
Day		55.0		52.8	
Wet		53.5		43.0	
Solar				127.9 (70.0)	
Max.					58.4 (43.1)
Gauge C		39			
Wind		14 W		12 W	
Clouds		10 Pm Fm		9 Pm Fm	

Thunder storm about 2 A.M.

y > 44: Ro U.

Aurora at 9 P.M.: high arch reaching to Uro. Minor, with dark sky below and diffused light at the lower streamers above. (For continuation see end)

Meteor from Cassiopeia between β & γ Uro. Min., moving parallel to horizon, at 9 P.M.

THURSDAY, APRIL 11, 1872.

	7	10	12 ² ₃	4	9
Barom.		30.022		30.088	
Atm. Pres.		64.9		73.0	
3235		42.4	45.2	47.8	40.0
No. 4	40.0	42.1	44.6	47.3	39.5
Min.		35.6 (41.5)			
Dry		43.0		48.0	
Wet		35.0		38.1	
Solar				124.0 (91.5)	
Max.					47.2 (40.0)
Gauge C		0 ¹ / ₁₀			
Wind		6 ² W		8 ² W	
Clouds		9 Pm M 7m		0 M 7m	

Gauge A at noon 59 ¹/₂ ounces

Saw faint auroral arch at 10³/₄ P.M.

FRIDAY, APRIL 12, 1872.

	7	10	2	3 4	9
Barom.		30.301		30.230	
Atm. Th.		58.7		66.1	
3280		49.4	57.0	52.3	44.1
No. 4	38.2	48.8	57.0	54.7	43.6
Min.		34.2 (48.5)		52.4	
Dry		50.0		42.0	
Wet		39.3			
Solar				125.2 (92.2)	
Max.					60.7 (44.0)
Gauge C		0			
Wind		2 ^e W		5 ^e E	
Clouds		1 R R		9 R haze	

SATURDAY, APRIL 13, 1872.

	7	10	2 $\frac{1}{4}$	4	9
Barom.		29.950		29.824	
Att. Th.		64.0		66.4	
3235		49.0	61.3	62.2	50.0
No. 4	48.3	49.0	60.9	62.0	49.5
Min.		42.7 (48.0)			
Dry		49.6		62.9	
Wet		47.7		46.8	
Solar				128.9 (107.5)	
Max.					61.9 (49.3)
Gauge C		20			
Wind		1 ^e SW		9 ^e SW	
Clouds		10 Pm raining		0 M fm	

Rain early. Cleared up about 11 A.M.
 Passing clouds in the evening
 At 5 $\frac{1}{4}$ P.M. Gauge A 25 $\frac{3}{4}$ ounces

SUNDAY, APRIL 14, 1872.

	7	10	2 1 ² ₃	4	9
Barom.		29.876		29.900	
Atm. Th.		58.0		57.1	
3235		42.4	45.1	42.9	36.0
No. 4	40.2	42.1	45.0	42.6	35.4
Min.		36.4 (41.2)			
Dry		42.8		43.2	
Wet		33.9		34.6	
Solar				121.6 (60.6)	
Max.					52.4 (35.7)
Gauge C		2			
Wind		15 ^e W		13 ^e W	
Clouds		10 Pm		9 Pm Fm	

yd y > A.T. 22

MONDAY, APRIL 15, 1872.

	7 ^{1/2}	10	2	4	9
Barom.		29.967		29.850	
Atm. Pr.		57.4		74.9	
3235		39.5	47.7	47.5	41.0
No. 4	33.0	39.0	48.0	47.3	40.6
Min.		30.0 (38.6)			
Dry		40.0		* 47.2	
Wet		31.9		38.7	
Solar				120.4 (66.9)	
Max.					50.0 (41.0)
Gauge C		1			
Wind		7 ² NW		6 ² E	
Clouds		0 R		9 Pm Pm	
				R	

* Read carefully: below
 3235 No. 4
 at 9^{1/2} A little rain beginning about 9 P.M.

TUESDAY, APRIL 16, 1872.

	7	10	2	4	10 $\frac{2}{3}$
Barom.		29.788		29.874	
Atm. Th.		66.7		65.4	
8235		37.0	35.9	38.0	35.6
No. 4	35.3	36.8	35.7	37.9	35.1
Min.		34.4 (36.0)			
Dry		37.1		38.9	
Wet		35.8		36.6	
Solar				66.7 (61.1)	
Max.					41.0 (35.0)
Gauge C		6 $\frac{1}{2}$			
Wind		5 c N		6 ^e NE	
Clouds		10 Pm raining		10 Pm 7m	

Mixed snow storm after 10 A.M.
 afterwards snow; stopped about 3 P.M.
 R. A. G.

WEDNESDAY, APRIL 17, 1872.

	7	10	23 ⁶	4	9
Barom.		30.164		30.035	
Atm. Th.		64.0		66.1	
3235		45.0	52.0	52.0	43.2
No. 14	36.7	44.5	51.5	51.7	42.8
Min.		32.1 (44.0)			
Dry		45.4		52.5	
Wet		35.1		38.1	
Solar				122.2 (96.7)	
Max.					57.6 (43.0)
Gauge C		23			
Wind		5 ^e NW		7 ^e W	
Clouds		5 Rs (thin)		0 Rs	

Thin clouds W

THURSDAY, APRIL 18, 1872.

	7	10	2	4	9
Barom.		29.950		29.788	
Atm. Th.		61.4		66.5	
3238		49.5	50.2	50.7	41.0
No. 4	35.0	49.3	49.8	50.2	40.2
Min.		31.3 (48.3)			
Day		49.8		51.1	
Night		37.4		41.0	
Solar				119.0 (95.0)	
Max.					52.1 (41.8)
Gauge C		0			
Wind		4 ^e SE		2 ^e SE	
Clouds		2 haze Pr		0 fm haze	

Gauge A at 2 P.M. 27¹/₂ inches

FRIDAY, APRIL 19, 1872.

	7	10	2	4	9
Barom.		29.674		29.732	
Atm. Th.		63.2		65.3	
3235		51.0	52.6	49.7	41.3
No. H	38.8	50.8	52.0	49.3	40.6
Min.		34.6 (50.1)			
Dry		52.0		50.0	
Wet		41.0		40.2	
Solar				119.0 (92.0)	
Max.					52.7 (41.3)
Gauge C		0			
Wind		10° NE		7° NE	
Clouds		1 R R Rm		0 R Rm haze	

SATURDAY, APRIL 20, 1872.

	7	10	2	4	9
Barom.		29.982		29.981	
Alt. Th.		61.1		70.8	
3235		58.3	67.9	63.9	57.1
No. 4	40.5	57.9	68.3	64.0	56.9
Min.		34.0 (57.5)			
Dry		59.4		64.6	
Wet		49.9		52.4	
Solar				138.9 (10.8)	
Max.					69.4 (55.9)
Gauge C		0			
Wind		1 ^e SW		3 ^e SE	
Clouds		1 R haze		9 Pm Im a little rain,	

SUNDAY, APRIL 21, 1872.

	7	10	12 $\frac{1}{2}$	4 6 $\frac{1}{2}$	9
Barom.		30.038		30.000	
Att. Th.		63.5		68.1	
3235		61.0	65.0	51.5	54.9
No. 4	45.0	60.7	64.8	50.9	51.4
Min.		40.8 (60.3)			
Dry		62.2		51.5	
Wet		52.0		46.4	
Solar				128.0 (47.9)	
Max.					64.1 (51.4)
Gauge C		0			
Wind		0 calm		0 S E	
Clouds		3 R haze		0 haze R	
				R	

MONDAY, APRIL 22, 1872.

	7	10	2	4	9 10 3
Barom.		29.850		29.804	
Atm. Th.		58.6		66.3	
3235		58.9	53.2	50.8	37.0
No. 4		59.2	53.4	50.7	36.5
Min.		39.9 (58.2)			
Dry		59.6		51.3	
Wet		51.8		49.0	
Solar				97.3 (55.0)	
Max.					59.0 (37.4)
Gauge C		0			
Wind		5 ² SW		1 ² W	
Clouds		10 Pm 7m		10 Pm	

Rain after 10 AM.

TUESDAY, APRIL 23, 1872.

	7	10	2	4	9 10 $\frac{3}{4}$
Barom.		30.006		30.030	
Atm. Pr.		54.6		68.6	
32.35		38.7	44.6	46.1	36.7
No. 4	32.2	37.9	44.1	45.6	36.0
Min.		28.2 (37.4)			
Dry		39.1		46.8	
Wet		31.1		36.5	
Solar				112.5 (92.5)	
Max.					45.7 (37.8)
Gauge C		13			
Wind		6 ^e W		4 ^e W	
Clouds		1 M. Fm		0	

WEDNESDAY, APRIL 24, 1872.

	7	10	2	4	9 ³ / ₄
Barom.		30.006		29.923	
Atm. Th.		62.5		67.8	
3235		46.0	63.0	62.0	45.5
No. 4	48.8	45.8	63.2	62.1	44.9
Min.		35.0 (45.0)			
Day		46.9		63.0	
Night		43.8		52.0	
Solar				128.0 (75.9)	
Max.					64.0 (45.9)
Gauge C		0 to			
Wind		8 e S		5 e S	
Clouds		40 Pm a little rain		7 Pm Fm haze	

THURSDAY, APRIL 25, 1872.

	7	10	2 ² ₃	4	9
Barom.		30.120		29.991	
Atm. Th.		66.4		67.9	
3235		54.9	58.6	61.1	49.1
No. 4	46.5	54.9	58.3	61.3	48.6
Min.		41.6 (53.9)			
Dry		55.5		61.9	
Wet		43.5		* 48.7	
Solar				158.2 (95.3)	
Max.					63.0 (49.0)
Gauge C		0		8 c S	
Wind		1 c S		3 haze P	
Clouds		8 Pm Pm		thin	
		hazy			

* Solar thermometer may probably have been disturbed, as the day has been cloudy, so that it is not likely to have gone so high.

FRIDAY, APRIL 26, 1872.

	7	10	2	4	11
Barom.		29.749		29.600	
Alt-Th.		59.7		78.7	
3235		64.1	81.3	82.7	62.0
No. 4	55.0	64.0	81.2	82.6	61.9
Min.		42.2 (63.3)			
Dry		65.7		83.0	
Wet		55.3		62.2	
Solar				134.0 (116.2)	
Max.					82.0 (61.0)
Gauge C		0			
Wind		1 ^e S		10 ^e SW	
Clouds		10 Pm haze thin		2 haze	

8 { 74.4 } 11 { 62.0 } 12.4 4.13
 { 74.3 } { 61.9 } 12.4
 At 9 P.M. by interpolation 70.3
 70.2

SATURDAY, APRIL 27, 1872.

	7	10	2	4	9
Barom.		29.860		29.852	
Att. Th.		63.5		68.0	
3235		59.0	61.4	62.4	52.1
No. 14		58.9	61.4	62.3	51.8
Min.		49.2 (58.2)			
Dry		60.0		63.1	
Wet		43.4		44.0	
Solar				125.0 (108.3)	
Max.					62.0 (52.0)
Gauge C		0			
Wind		10 ^e W		12 ^e N W	
Clouds		0		0 Pm/Pr	

SUNDAY, APRIL 28, 1872.

	7	10	2	4	9 10 1/4
Barom.		30.083		30.020	
Alt. Th.		61.0		67.1	
3235		51.2	56.8	57.5	45.2
No. 4	44-2	50.9	56.2	57.1	44.9
Hin.		41.1 (50.0)			
Dry		52.0		58.1	
Wet		39.0		41.4	
Solar				121.9 (99.2)	
Max.					57.0 (45.6)
Gauge C		0			
Wind		9 ^e NW		14 ^e NW	
Clouds		0		0	

MONDAY, APRIL 29, 1872.

	7	10	2 ³ ₄	4	9
Barom.		30.170		30.240	
Alt. Th.		65.1		69.0	
3235		54.0	53.0	52.9	46.3
No. 4		52.0	52.6	52.2	46.1
Min.		38.2 (53.2)			
Dry		54.8		53.2	
Wet		41.9		42.7	
Solar				125.3 (95.4)	
Max.					58.9 (46.0)
Gauge C	0				
Wind	7 ^e NW			6 ^e E	
Clouds	0			0 Pm M	
				hazy	

TUESDAY, APRIL 30, 1872.

	7	10	2	4	9
Barom.		30.400		30.326	
Att. Th.		63.4		70.1	
32.35		56.9	57.0	56.8	47.2
No. 4	42.3	56.6	56.5	56.3	46.8
Min.		35.1 (55.7)			
Dry		58.0		57.3	
Wet		48.3		46.8	
Solar				1260 (99.1)	
Max.					59.4 (47.2)
Gauge C		0			
Wind		12 SE		8 SE	
Clouds		5 haze Pm Pm		2 haze Pm Pm	

At 11 $\frac{3}{4}$ A.M. Gauge A 16 $\frac{1}{2}$ inches

WEDNESDAY, MAY 1, 1872.

	7	10	2	4	9 $\frac{1}{2}$
Barom.		30.249		30.180	
Alt. Th.		63.9		64.4	
3235		61.1	61.1	58.9	47.2
No. 4	48.0	61.4	61.5	58.8	46.7
Min.		39.3 (60.5)			
Day		62.3		59.7	
Wet		50.0		48.6	
Solar				123.0 (77.2)	
Max.					66.0 (47.8)
Gauge C		0			
Wind		9 ^e SW		8 ^e SW	
Clouds		9 haze Pm R thin		10 Pm	

THURSDAY, MAY 2, 1872.

	7	10	2	4	9 ¹ / ₆
Barom.		29.949		29.892	
Atm. Th.		60.6		64.0	
3235		60.7	59.0	61.0	54.3
No. 4	56.2	60.8	59.2	61.4	54.2
Moim.		45.2 (59.9)			
Dry		61.6		62.2	
Wet		56.2		58.1	
Solar				937 (82.0)	
Max.					61.5 (84.0)
Gauge C		0			
Wind		10 ^e SW		10 ^e S	
Clouds		10 Pm Fm		10 Pm	

10 A.M. Before wetting
Dry 61.6 Wet 60.2

showers after 10 A.M.

FRIDAY, MAY 3, 1872.

	7	40	2	4	9
Barom.		29.850		29.812	
Att. H.		59.8		62.8	
3235					
No. 4		57.9	60.4	59.4	50.6
Moist.		49.4 (54.0)		50.3	
Dry		55.9		60.3	
Wet		48.1		46.7	
Solar				124.9 (104.0)	
Max.					60.4 (57.5)
Gauge C		35 $\frac{1}{2}$			
Wind		4 ^c NW		4 ^c W	
Clouds		10 Pm		7 Pm H Fin	

9 $\frac{5}{6}$ Before wetting
 Dry 55.8
 Wet 54.2

Leasilla 3235 removed.

Saw faint auroral arch at 9 P.M. At 10 P.M.
 auroral light among clouds,

SATURDAY, MAY 4, 1872.

	7	10	2	4	9
Barom.		29.866		29.846	
Alt. Th.		57.8		66.1	
3235					
No. 4	45.0	55.5	50.8	52.7	43.7
Min.		42.3 (54.4)			
Dry		56.7		53.6	
Wet		51.7		47.6	
Solar				120.0 (61.0)	
Max.				0	57.0 (42.2)
Gauge C		18 $\frac{1}{2}$			
Wind		5 e S		12 S	
Clouds		8 Pm M 7m		10 Pm a little rain	

9 $\frac{5}{6}$ Before wetting

Dry 56.8

Wet 55.2

Rain. previous night

A little thunder about 10 $\frac{1}{2}$ A.M.

At 4 $\frac{3}{4}$ P.M. A 72 $\frac{1}{2}$ ounces

SUNDAY, MAY 5, 1872.

	7	40 9 $\frac{1}{4}$	12	5 4	9 $\frac{1}{2}$
Barom.		30.00 $\frac{7}{4}$		29.957	
Att. Th.		63.9		67.6	
3235					
No. 4	43.5	51.3	55.0	55.9	46.6
Main.		39.5 (50.4)			
Dry		52.3		56.7	
Wet		42.0		42.7	
Solar				138.9 (96.4)	
Max.					57.4 (47.7)
Gauge C		31			
Wind		13 ^e NW		10 ^e NW	
Clouds		1 Pm M Fm		8 Pm Fm	

MONDAY, MAY 6, 1872.

	7	10	2	4	9
Barom.		29.895		29.960	
Att. Th.		60.9		63.7	
3235					
No. 4		50.6	50.0	49.5	43.4
Min.		43.3 (49.5)			
Dry		51.3		50.2	
Wet		43.8		46.4	
Solar				121.0 (68.3)	
Max.					58.5 (43.6)
Gauge C		0			
Wind		6 ^e NW		1 ^e S	
Clouds		10 Pm M Fm		10 Pm M Fm a little rain	

TUESDAY, MAY 7, 1872.

	7	10	2	4	96
Barom.		29.950		29.967	
Att. Th.		60.9		70.5	
3235					
No. 4	54.8	66.5	73.0	57.0	52.8
Main.		42.2 (65.7)			
Dry		67.5		58.0	
Wet		54.5		51.1	
Solar				144.4 (103.1)	
Max.					73.0 (53.0)
Gauge C		1			
Wind		8 ^c NW		7 ^e E	
Clouds		5 Pm Fm		2 M Fm	

WEDNESDAY, MAY 8, 1872.

	7	10 11	2	4	9
Barom.		29.982		30.025	
Att. Th.		68.6		76.4	
3235					
No. 4	53	77.3	79.0	70.1	59.8
Min.		44.0 (76.4)			
Dry		78.0		70.8	
Wet		60.2		56.8	
Solar				135.6 (107.6)	
Max.					78.7 (59.7)
Gauge C					
Wind		6° W		4° E	
Clouds		1 haze		2 haze	

THURSDAY, MAY 9, 1872.

	7	10	2	4	9
Barom.		29.882		29.821	
Att. Th.		65.6		67.6	
3235					
No. 4	56.8	70.6	78.6	79.6	71.1
Min.		55.1 (69.3)			
Dry		71.9		80.0	
Wet		61.5		66.0	
Solar				128.9 (104.3)	
Max.					78.7 (70.4)
Gauge C		0			
Wind		1 st S E		6 th S	
Clouds		5 Part haze		8 haze Part	

10 A.M. Before wetting
 Dry 70.0 Wet 69.0

FRIDAY, MAY 10, 1872.

	7	10	2	5½	9
Barom.		29.949		30.130	
Att. Th.		74.2		77.2	
3235					
No. 4	72.4	77.5	80.7	63.6	53.0
Min.		66.1 (76.4)		64.1	
Dry		78.3		54.0	
Wet		62.9			
Solar				135.8 (80.6)	
Max.					80.7 (57.9)
Gauge C		0			
Wind		6e SW		6e E	
Clouds		1 Roll 7m hazy		3 Ps Pm hazy	

SATURDAY, MAY 11, 1872.

	7	10	2	4	9
Barom.		30.302		30.180	
Alt. Th.		60.8		62.0	
3235					
No. 4	40.2	51.5	50.7	49.9	46.8
Mein.		46.9 (50.8)			
Dry		52.4		50.9	
Wet		46.8		45.4	
Solar				114.0 (86.2)	
Max.					56.9 (47.3)
Gauge C		5			
Wind		9 ^e E		13 ^e E	
Clouds		8 Pm Fin		6 haze Pm	

9 50 A.M. Before setting
 Dry 52.4 Wet 51.0

SUNDAY, MAY 12, 1872.

	7	10	12 ³ / ₄	4	9
Barom.		29.905		29.830	
Att. Th.		61.3		72.1	
3235					
No. 4	45.0	x 68.9	78.9	72.4	59.5
Min.		45.6 (68.6)			
Dry		x 71.4		72.7	
Wet		x 64.3		63.4	
Solar				132.8 (94.6)	
Max.					78.3 (59.8)
Gauge C		0.8			
Wind		4 ¹⁰ SW		12 ⁵ SW	
Clouds		10 Pm		8 Pm R	
		thin		hazy	

x 10¹/₄

Perhelion, at 5¹/₂ Pm. Halo
more than two thirds round the
sun. Three mock suns one above,
one on each side.

MONDAY, MAY 13, 1872.

	7	10	2	4	9
Barom.		29.858		29.876	
Alt. Th.		67.4		68.5	
3235					
No. 4		56.9	59.3	55.8	52.6
Min.		54.3 (56.0)		56.8	
Dry		57.8		51.3	
Wet		49.8			
Solar				120.2 (90.0)	
Max.					60.0 (53.0)
Gauge C		0			
Wind		11 ^h N		5 ^h SE	
Clouds		10 Pm		3 Pm haze	

At 10 A.M. before wetting
Dry 58.0 Wet 56.6

TUESDAY, MAY 14, 1872.

	7	10	2	4	9
Barom.		30.140		30.184	
Atm. Th.		66.4		67.5	
3235					
No. 4	49.0	59.4	57.6	57.6	50.3
Min.		47.2 (58.6)		58.3	
Dry		60.3		48.0	
Wet		47.0			
Solar				126.0 (97.0)	
Max.					60.6 (51.0)
Gauge C		0		5° E	
Wind		6° NE		4 Pm Fm R	
Clouds		0 Pm Fm			

WEDNESDAY, MAY 15, 1872.

	7	10	2	4	9 $\frac{1}{3}$
Barom.		30.188		30.141	
Att. Th.		60.7		64.9	
32.35					
No. 4	50.5	61.9	62.8	58.9	52.5
Min.		46.4 (61.0)			
Dry		62.9		59.9	
Wet		51.5		47.9	
Solar				134.0 (72.0)	
Max.					65.7 (52.7)
Gauge C		0			
Wind		4 ^e S W		5 ^e E	
Clouds		5 Pm Jan hazy		9 Pm M. Fin	

THURSDAY, MAY 16, 1872.

	7	10	2	4	910 ⁵ / ₁₂
Barom.		30.032		29.939	
Att. Th.		60.8		67.1	
3235					
No. 4	49.2	55.8	60.0	60.1	49.0
Moist.		43.4 (55.0)			
Dry		57.0		61.0	
Wet		44.9		43.6	
Solar				127.0 (107.0)	
Max.					60.7 (49.1)
Gauge C		0		20 ^e N	
Wind		15 ^e NW		1 Pm Ry	
Clouds		0 Rs			

9 ⁵/₆ A.M. Before wetting
 Dry 56.7 Wet 55.3

FRIDAY, MAY 17, 1872.

	7	10	2	4	9
Barom.		29.994		29.980	
Att. Th.		64.2		65.6	
3235		57			
No. 4	51.5	57.8	57.2	56.3	50.2
Min.		42.2 (57.7)			
Dry		58.7		57.4	
Wet		47.5		47.7	
Solar				126.0 (1002)	
Max.					60.6 (50.8)
Gauge C		0			
Wind		5 ^{se} E		5 ^{se} E	
Clouds		7 M fm		1 Pm M	

SATURDAY, MAY 18, 1872.

	7	10	2	4	9
Barom.		29.960		29.900	
Alt. H.		59.8		68.3	
3235					
No. 4	50.2	61.0	61.6	61.1	55.7
Min.		41.8 (60.1)		62.1	
Dry		61.7		51.1	
Wet		52.0		126.2 (93.2)	
Solar					67.0 (56.0)
Max.					
Gauge C		0			
Wind		2° SW		4° SE	
Clouds		0 haze		2 haze	

10 A.M. Before wetting
Dry 62.0 Wet 60.7

SUNDAY, MAY 19, 1872.

	7	10	1 ^s 6 ⁴	4 ¹ 6	9 ¹ 6
Barom.		29.7717		29.519	
Att. Th.		64.4		65.8	
3235					
No. 4	54.8	60.9	54.5	54.2	53.0
Min.		46.9 (60.0)			
Day		62.0		55.3	
Nat		56.8		53.8	
Solar				92.9 (56.0)	
Max.					62.0 (53.8)
Gauge C		0			
Wind		12 S		6 ² NE	
Clouds		10 P.m. a little rain		10 P.m. raining	

Rain heavy about 1 P.M.

10 A.M. Before writing

Dry 61.5 Wet 60.2

MONDAY, MAY 20, 1872.

	7	10	13 ¹ / ₂	4	9
Barom.		29.560		29.560	
Att. Th.		66.6		72.1	
3235					
No. 4		67.0	71.0	65.7	59.5
Min.		57.9 (66.4)			
Dry		67.8		65.6	
Wet		56.8		55.0	
Solar				134.8 (71.8)	
Max.					71.8 (59.2)
Gauged		83			
Wind		10 ^e SW		16 ^e NW	
Clouds		1 M fm		10 Pm fm raining	

TUESDAY, MAY 21, 1872.

	7	10	2	4	9
Barom.		29.734		29.788	
Alt. Th.		67.7		68.9	
3235					
No. 4	55.5	63.5	67.6	70.2	53.0
Min.		49.4 (62.5)			
Dry		64.2		70.8	
Wet		54.3		57.2	
Solar				136.0 (116.4)	
Max.					69.7 (54.0)
Gauge C		0			
Wind		8 e N		6 e N	
Clouds		10 Pm		9 Pm M 7m	

C 1/2 e. B. 1/2 e. N. 1/2 e. S.

WEDNESDAY, MAY 22, 1872.

	7	10	2	4	8/10
Barom.		30.090		30.042	
Att. Th.		65.1		69.1	
3235					
No. 4	52.5	63.9	62.0	62.0	56.7
Min.		43.4 (63.1)			
Dry		65.0		62.8	
Wet		55.0		54.8	
Solar				129.7 (104.0)	
Max.					65.5 (57.5)
Gauge C		0			
Wind		4 ^e E		7 ^e SE	
Clouds		3 Pm M Fm Rs haze		9 Pm Rs hazy	

THURSDAY, MAY 23, 1872.

	7	10	2 1 ² / ₃	6	9
Barom.		29.72.3		29.71.8	
Att. Th.		64.7		68.6	
3235					
No. 4	53.8	60.9	70.6	58.8	57.2
Min.		52.2 (60.0)			
Dry		61.8		59.8	
Wet		54.6		57.1	
Solar				104.0 (59.8)	
Max.					69.0 (57.1)
Gauge C		39			
Wind		6 E S		5 E N	
Clouds		10 Pm a little rain		10 Pm	

Rain early.
Some rain after noon

FRIDAY, MAY 24, 1872.

	7	10	2	4	9
Barom.		29.876		29.838	
Att. Th.		64.3		68.8	
32.35					
No. 4	59.0	66.2	62.1	61.5	57.6
Min.		53.9 (55.2)			
Dry		67.0		62.4	
Wet		58.7		56.0	
Solar				134.7 (99.0)	
Max.					69.5 (57.5)
Gauge C		3			
Wind		1 st NW		7 th SE	
Clouds		2 P. R M. Jm		9 Pm M Jm Rs' thin.	

Gauge A at 10 A.M. 178 1/2 ounces : 1.544 inches

10
7 15 1/2
3 1/2
9
18 10
298
119 1/2
178 1/2

3 11 3/4
59 3/4

Some aurora
9 to 9 1/2 P. M.
arch & streamers
over clouds

SATURDAY, MAY 25, 1872.

	7	10	2	4	9
Barom.		29.799		29.758	
Alt. Th.		62.8		64.4	
3235					
No. 4	59.2	63.6	64.9	64.9	61.4
Min.		53.5 (62.6)		6	
Dry		64.4		65.6	
Wet		60.1		63.2	
Solar				99.2 (71.6)	
Max.					66.5 (61.0)
Gauge C		2			
Wind		12 S		12 S	
Clouds		10 Pm		10 Pm	

Showered at about $7\frac{3}{4}$ A.M., & at times later
with some thunder

Roll

SUNDAY, MAY 26, 1872.

	7	10	4 1/2	6 40	9
Barom.		29.962		29.950	
Att. Th.		61.7		68.3	
32.35					
No. 4	57.7	63.4	66.1	61.3	56.4
Min.		50.9 (62.4)			
Dry		64.1		62.1	
Wet		52.6		54.8	
Solar				132.9 (59.7)	
Max.					70.7 (56.7)
Gauge		22 1/2			
Wind		3° NW		2° E	
Clouds		9 Pm Pz thin		10 Pm	

MONDAY, MAY 27, 1872.

	7 ¹ / ₂	10	2 ¹ / ₄	4	9
Barom.		29.886		29.799	
Alt. Th.		62.4		66.4	
3235					
No. 14	57.2	65.7	64.4	67.9	56.9
Min.		48.3 (64.9)			
Dry		67.2		68.4	
Wet		58.0		56.5	
Solar				130.0 (77.8)	
Max.					68.9 (57.3)
Gauge		0			
Wind		5 ⁰ E		9 ⁰ S E	
Clouds		0 Pm Jm R		9 Pm P R	

At 10¹/₂ A.M. A. 33¹/₄ miles

At 9^h 50^m A.M. before meeting
Dry 66.4 Wet 65.1

Rain about 9 P.M.

TUESDAY, MAY 28, 1872.

	7	10	2	4 7	9 10
Barom.		29.762		29.815	
Atm. Pr.		61.0		66.0	
3235					
No. 4	53.5	57.3	66.9		57.5
Min.		50.0 (56.5)			
Dry		57.5		57.4	
Wet		52.8		54.8	
Solar				137.1 (56.7)	
Max.					65.7 (57.0)
Gauge C		40 $\frac{1}{2}$		27 $\frac{1}{2}$	
Wind		1 st E		5 th N	
Clouds		10 Pm		10 Pm M Pm	

Aurora at 10 P.M. wide arch with narrow dark space below: arch wholly below Cassiopeia.

WEDNESDAY, MAY 29, 1872.

	7	10	2	4	9
Barom.		29.974		29.998	
Att. Th.		58.0		64.4	
3235					
No. 4	51.5	50.2	64.0	63.8	57.8
Main.		42.5 (59.1)			
Dry		61.0		64.7	
Wet		51.5		52.8	
Solar				137.6 (104.7)	
Max.					64.2 (58.0)
Gauge C		* 0			
Wind		3 ^e SW		4 ^e W	
Clouds		3 M Im		5 P R M Im	

* 27 $\frac{1}{2}$ yesterday at 4

Gauge A at 11 $\frac{1}{2}$ A.M. 77 inches.

THURSDAY, MAY 30, 1872.

	7	10	2	4	9 10 1/2
Barom.		30.084		30.074	
Att. Th.		59.1		65.0	
3235					
No. 4	53.7	63.7	66.6	57.2	53.6
Main.	55.7	47.1 (62.7)		57.5	
Dry		64.7		54.1	
Wet		54.1			
Solar				131.2 (57.0)	
Max.					70.7 (53.9)
Gauge C		0			
Wind		1 st W		8 th S	
Clouds		5 Pn Rs		10 Pn raining	

9 3/4 A.M. before wetting
Dry 62.5 Wet 63.1

FRIDAY, MAY 31, 1872.

	7	10	2	4	9
Barom.		29.882		29.900	
Atm. Thr.		60.1		61.4	
3235					
No. 4	52.3	52.5	55.9	59.8	55.3
Min.		50.7 (51.8)			
Dry		53.3		60.7	
Wet		51.8		56.0	
Solar				86.7 (75.0)	
Max.					58.2 (55.0)
Gauge C		42			
Wind		7 ^e NE		1 ^e N	
Clouds		10 Pm raining		10 Pm	

SATURDAY, JUNE 1, 1872.

	7	10	2	4	9
Barom.		29.985		29.931	
Att. Th.		59.5		67.0	
3235					
No. 4	56.4	66.6	70.3	70.3	62.9
Min.		48.0 (65.9)			
Dry		67.6		70.9	
Wet		57.0		54.5	
Solar				136.8 (96.9)	
Max.		7			70.4 (62.6)
Gauge C		6			
Wind		1 ² S W		6 ² W	
Clouds		1 M Pm Rs		Q Pm Pm M Lm thin	

At 9⁵ A.M. before wetting
Dry 67.8 Wet 66.6

W y < A g y U A few
drops of rain
in the evening

SUNDAY, JUNE 2, 1872.

	7	10	2	4	9
Barom.		29.970		29.992	
Atm. Th.		60.2		65.9	
No. 4		59.6	63.4	64.4	53.9
Min.		45.3 (58.8)		65.4	
Dry		60.6		52.2	
Wet		51.1			
Solar				139.6 (110.2)	
Max.					63.8 (54.7)
Gauge C		4		7	
Wind		8 th NW		7 th N W	
Clouds		1 M 7m		8 M P 7m	

11 9th before nothing
 Dep 0.1 P 9.0

MONDAY, JUNE 3, 1872.

	7	10	2	4	10 ⁵
Barom.		30.086		30.059	
Atm. Th.		59.1		65.0	
No. 4	51.5	60.1	58.8	60.0	51.0
Moist.		45.3 (59.4)		61.0	
Dry		61.3		50.8	
Wet		51.8		134.0 (95.0)	
Solar					61.0 (52.0)
Max.					
Gauge C		7/10		6 ^c E	
Wind		5 ^c N		1 P R M Im	
Clouds		8 M Pm Im			

10 A.M. before wetting
Dry 60.3 Wet 59.0

Gauge A at noon 59 ounces

Some aurora about 10 P.M.
arch tolerably distinct, afterwards fading out.

TUESDAY, JUNE 4, 1872.

	7	10	2	4	9
Barom.		29.883		29.750	
Atm. Th.		60.4		66.0	
No. 4	54.8	66.8	69.9	63.6	53.1
Min.		49.4 (65.7)		64.0	
Dry		67.4		53.7	
Wet		59.9		127.9 (65.0)	
Solar					70.1 (53.1)
Max.					
Gauge C		0		15.2 S	
Wind		5.2 S		10 Pm	
Clouds		10 Pm			

Rain after 5 P.M.

WEDNESDAY, JUNE 5, 1872.

	7 ^h	10	2	4	9
Barom.		29.508		29.600	
Alt. Th.		58.5		57.4	
No. 4	47.6	49.6	47.8	46.8	49.6
Min.		48.7 (48.7)			
Dry		50.5		47.9	
Wet		49.0		46.4	
Solar				65.0 (49.1)	
Max.					53.3 (50.3)
Gauge C		158		51	
Wind		18 ^h NE		20 ^h NE	
Clouds		10 Pm raining		10 Pm raining	

Wind heavy about 11 $\frac{1}{2}$ A.M. ; perhaps
30 miles an hour or more.

THURSDAY, JUNE 6, 1872.

	7	10	2	4	9
Barom.		29.724		29.824	
Att. Th.		59.3		64.4	
No. 4	52.3	52.7	56.0	55.4	53.4
Min.		45.9 (52.0)			
Day		53.7		56.3	
Wet		51.4		52.3	
Solar				98.9 (68.6)	
Max.					56.1 (53.4)
Gauge C		*89			
Wind		10 th NE		9 th NE	
Clouds		10 Pm		10 Pm	

* Besides 51 measured at 4 P.M. June 5

$$9 \quad 13\frac{3}{4} - 3 \quad 12\frac{3}{4} = 6 \quad 1$$

$$10 \quad 0\frac{1}{2} - 3 \quad 12\frac{3}{4} = 6 \quad 3\frac{3}{4}$$

$$10 \quad 0 - 3 \quad 12\frac{1}{2} = 6 \quad 3\frac{1}{2}$$

$$4 \quad 3\frac{1}{2} - 2 \quad 0\frac{1}{2} = 2 \quad 2$$

$$20 \quad 10\frac{1}{4}$$

$$3 \quad 12\frac{3}{4} - 3 \quad 8\frac{1}{4} = 4\frac{1}{2}$$

$$20 \quad 14\frac{3}{4}$$

Gauge A at 10th A.M. 334³/₄ ounces 2.896 inches

FRIDAY, JUNE 7, 1872.

	7	10	2 3	4	9
Barom.		29.960		29.914	
Alt. Th.		66.1		67.4	
No. 4	57.5	67.6	62.0	62.2	62.0
Min.		51.4 (66.4)			
Dry		68.6		63.2	
Wet		61.0		57.9	
Solar				141.7 (76.2)	
Max.					70.0 (61.6)
Gauge C		0			
Wind		0 calm		6 E	
Clouds		9 Pm Mm		10 Pm for	

SATURDAY, JUNE 8, 1872.

	7	10	2	4	9
Barom.		29.705		29.660	
Alt. Th.		66.1		68.0	
No. 4	56.3	56.8	63.8	67.2	66.5
Min.		54.3 (56.0)			
Dry		57.7		67.9	
Wet		55.8		63.0	
Solar				98.3 (83.0)	
Max.					66.0 (57.3)
Gauge		12			
Wind		8 E		2 N	
Clouds		10 Pm		10 Pm	

yu

SUNDAY, JUNE 9, 1872.

	7	10	2	4	9
Barom.		29.800		29.814	
Alt. Th.		64.2		69.3	
No. 4	60.0	66.3	68.1	66.5	63.4
Min.		55.5 (65.0)			
Dry		66.5		67.4	
Wet		60.2		61.1	
Solar				134.0 (105.8)	
Max.					71.0 (63.0)
Gauge C		0			
Wind		10 NE		5 E	
Clouds		10 Pm		6 Pm 7m M R	

9¹ P M. Extensive aurora faint
among increasing clouds & haze.
y > u 29

MONDAY, JUNE 10, 1872.

	7	10	2	4	9
Barom.		29.769		29.648	
Alt. Th.		65.8		67.7	
No. 4		65.9	68.8	69.4	65.2
Min.		59.2 (64.8)			
Dry		66.7		69.4	
Wet		61.8		64.0	
Solar				126.6 (80.6)	
Max.					73.0 (64.7)
Gauge C	1				
Wind	3 ² S			6 ² S	
Clouds	10 Pm			10 Pm 7m	

TUESDAY, JUNE 11, 1872.

	7	10	2	5 ³ 4 ⁴	9
Barom.		29.756		29.799	
Atm. Ph.		66.5		76.0	
No. 4	65.2	72.5	76.4	76.6	69.0
Min.		58.3 (71.5)			
Dry		73.2		77.2	
Wet		62.5		63.7	
Solar				141.4 (81.6)	
Max.					76.9 (68.5)
Gauge C		0 ¹			
Wind		11 ² NW		13 ² W	
Clouds		6 M Fm		6 Pm Fm	

9⁵/₆ A.M. before wetting
Dry 73.0 Wet 71.9

WEDNESDAY, JUNE 12, 1872.

	7	10	2	4	9 11
Barom.		29.922		29.832	
Att. Th.		72.6		82.0	
No. 4	70.0	80.0	86.7	86.9	66.0
Min.		62.2 (79.0)			
Dry		80.8		87.6	
Wet		66.9		70.9	
Solar				149.8 (130.0)	
Max.					86.3 (65.0)
Gauge C		0			
Wind		7 ^e W		6 ^e SW	
Clouds		4 Pm Pm Pm		8 Pm Pm M	

Thunder showers after 5 P.M.

THURSDAY, JUNE 13, 1872.

	7	10	2	4 $\frac{1}{4}$	9
Barom.		29.968		29.895	
Alt. Th.		71.2		78.3	
No. 4	65.5	75.5	78.9	79.2	66.1
Min.		60.9 (74.2)			
Dry		75.9		79.2	
Wet		61.8		63.6	
Solar				139.6 (105.9)	
Max.					79.0 (66.7)
Gauge C		32			
Wind		6 ² SW		7 ⁰ SW	
Clouds		9 Pm haze thin		10 Pm R thin	

At 9 $\frac{1}{2}$ A.M. before wetting, ounces 0.479 inches
 Dry 75.7 Wet 74.8

At 11 A.M. A 54 ounces 0.467 inches

FRIDAY, JUNE 14, 1872.

	7 $\frac{1}{2}$	10	2	4	9
Barom.		29.723		29.713	
Atm. Th.		73.9		80.8	
No. 4	73.5	79.1	83.5	74.6	60.8
Min.		62.1 (78.0)			
Dry		79.6		73.8	
Wet		70.7		71.0	
Solar				146.4 (73.2)	
Max.					83.4 (69.2)
Gauge C		0			
Wind		8 ^e W		2 ^e E	
Clouds		5 P P R M Im		10 Pm Im raining: some thunder	

SATURDAY, JUNE 15, 1872.

	7	10	2	4	9
Barom.		29.850		29.864	
Att. Th.		69.7		74.4	
No. 4		71.6	76.5	76.5	67.1
Min.		58.1 (70.5)			
Dry		72.1		76.7	
Wet		62.1		62.3	
Solar				146.1 (92.8)	
Max.					76.7 (67.3)
Gauge C		45			
Wind		4 ^e NW		5 ^e SW	
Clouds		4 Pm Rm R		10 Pm Rm Jan	
		Fm			

At 5 P.M. A $50\frac{3}{4}$ ounces 0.439 inches

Ry u

SUNDAY, JUNE 16, 1872.

	7	10	1 ² 3 4	4	9
Barom.		30.008		30.032	
Att. Th.		69.3		72.7	
No. H	67.0	70.5	70.8	68.1	61.9
Min.		59.9 (69.5)			
Day		71.0		68.9	
Wet		57.5		58.0	
Solar				138.0 (90.0)	
Max.					70.8 (61.9)
Gauge C		0			
Wind		13 ^e NE		4 ^e E	
Clouds		10 Pm Rs: thin		10 Pm thin	

MONDAY, JUNE 17, 1872.

	$7\frac{1}{2}$	10	2	4	$9\frac{1}{4}$
Barom.		30.172		30.156	
Atm. Ph.		68.1		74.8	
No. 4	68.3	73.4	76.7	74.9	68.4
Min.		58.6 (72.2)			
Dry		73.8		75.1	
Wet		61.2		64.0	
Solar				146.9 (85.6)	
Max.					77.8 (68.7)
Gauge C		0			
Wind		1 st NW		0 th W	
Clouds		4 B R R		8 P m M J m P R P m	

At $9\frac{5}{8}$ A.M. before wetting
 Dry 74.0 Wet 73.0

TUESDAY, JUNE 18, 1872.

	7	10	2	4	9 ¹ / ₂
Barom.		30.236		30.178	
Atm. Pr.		70.8		76.0	
No. 4	68.0	76.7	79.4	75.3	68.6
Min.		58.0 (75.7)			
Dry		77.5		76.0	
Wet		66.1		63.0	
Solar				149.2 (81.4)	
Max.					81.6 (68.9)
Gauge C		0			
Wind		0 calm		2 ^{cc} E	
Clouds		1 Fm Rim		7 Pm M Jm	

At 9 A.M. before wetting
Dry 75.3 Wet 74.6

$y = \frac{u}{v}$

WEDNESDAY, JUNE 19, 1872.

	7	10	2	4	9
Barom.		30.200		30.164	
Alt. Th.		72.0		77.3	
No. 14	68.8	77.2	77.9	76.7	68.0
Min.		64.1 (76.3)			
Day		77.6		76.7	
Night		64.9		64.4	
Solar				145.9 (109.3)	
Max.		0			790.67.6
Gauge C		5 th E		5 th SE	
Wind		9 Pm Pm		4 Pm M Pm	
Clouds				Fm	

THURSDAY, JUNE 20, 1872.

	7	10	2	4	9
Barom.		30.231		30.223	
Alt. Th.		72.1		77.7	
No. 4	69.8	76.8	74.6	76.0	68.1
Min.		65.0 (76.0)			
Dry		77.1		76.0	
Wet		67.9		67.0	
So far				145.0 (106.5)	
Max.					80.0 (68.1)
Gauge C		2			
Wind		8 ^e NE		7 ^e E	
Clouds		9 Pm 3m haze		6 Pm 3m Pm Pm	

Shower ~~at~~ Pm

FRIDAY, JUNE 21, 1872.

	7	10	2	4½	9
Barom.		30.156		30.090	
Att. Th.		73.2		81.8	
No. 4	70.5	82.0	88.9	86.4	71.3
Min.		64.0 (80.9)			
Dry		82.9		86.2	
Wet		73.4		75.8	
Solar				1427 (22.8)	
Max.					88.3 (71.3)
Gauge C		6e S		6e S	
Wind		0 fm haze		0 haze	
Clouds					

Gauge A at 4½ P.M. 2¾ ounces

wh. Lz. R.R. 11

SATURDAY, JUNE 22, 1872.

	7	10	2	4	9
Barom.		30.032		30.000	
Att. Th.		77.4		80.2	
No. 4	71.8	82.9	79.8	78.0	67.2
Min.		64.9 (82.0)			
Dry		83.8		78.5	
Wet		71.2		79.5	
Solar				147.3 (125.8)	
Max.					83.8 (67.2)
Gauge C		0			
Wind		4 th N		4 th E	
Clouds		3 Pm R M Im		4 Pm pm Pm haze	

At 9⁵/₆ A.M. before meeting
 Dry 83.1 Wet 82.0

SUNDAY, JUNE 23, 1872.

	7	10	21 ⁵ / ₆	4	9
Barom.		30.050		30.050	
Att. H.		71.1		74.2	
No. 4	66.3	75.4	71.2	69.3	60.2
Min.		63.8 (24.0)			
Dry		75.5		70.0	
Wet		62.8		64.2	
Solar				142.9 (118.2)	
Max.					74.7 (61.0)
Gauge C		0			
Wind		1 E NE		6 E	
Clouds		5 Pm		7 Pm	
		Fm Pm		Fm Rs	

At 9⁵/₈ A.M. before wetting
Dry 74.8 Wet 73.9.

Ry y < 14 Evening somewhat misty.

MONDAY, JUNE 24, 1872.

	7 $\frac{1}{2}$	10	2	4	9
Barom.		30.036		30.018	
Att. Th.		67.9		71.0	
No. 4	60.5	62.6	71.0	65.7	60.1
Min.		58.4 (62.3)			
Dry		63.4		66.5	
Wet		60.5		61.8	
Solar				133.3 (97.0)	
Max.					70.9 (61.0)
Gauge C		0			
Wind		2 ^e NE		5 ^e E	
Clouds		10 Pm a little mist		10 Pm Pm thin	

v. R. R. Ry. U.

TUESDAY, JUNE 25, 1872.

	1	9 ¹⁰	2	4	9 ¹¹ ⁵
Barom.		30.042		30.067	
Att. Th.		66.3		70.2	
No. 4	61.5	67.4	66.0	64.9	61.3
Min.		59.2 (66.6)		65.8	
Dry		68.6		67.5	
Wet		64.7		62.5	
Solar		0		121.0 (79.2)	
Max.		0			72.4 (61.0)
Gauge		0			
Wind		0 calm		5° E	
Clouds		10 Pm thin and haze		10 Pm fm	

A little rain after noon
Evening rainy.

WEDNESDAY, JUNE 26, 1872.

	7	10	2 1/2	4 5 1/2	9 1/2 2/3
Barom.		30.049		30.080	
Atm. Th.		67.3		69.9	
No. 4	6.2.2.	65.9	66.9	64.9	59.4
Mein.		59.8 (64.9)			
Dry		66.6		65.7	
Wet		63.4		61.2	
Solar				97.2 (71.9)	
Max.					67.3 (59.6)
Gauge C		53			
Wind		3 rd NE		7 th NE	
Clouds		10 Pm		40 Pm	

THURSDAY, JUNE 27, 1872.

	7	10	2	4	9
Barom.		30.152		30.140	
Alt. Th.		66.4		70.0	
No. 4		68.0	71.6	66.5	64.0
Min.		58.3 (67.5)			
Dry		68.4		67.2	
Wet		62.0		60.9	
Solar				142.9 (80.0)	
Max.					72.0 (63.9)
Gauge C		0 $\frac{1}{2}$			
Wind		1 st NE		6 th NE	
Clouds		9 Pm Mm thin		10 Pm	

FRIDAY, JUNE 28, 1872.

	7	10	2	4	9 ³ / ₄
Barom.		30.104		30.025	
Att. Th.		70.1		78.7	
No. 4	62.3	77.1	85.7	71.7	71.0
Min.		62.9 (75.7)		71.1	
Dry		78.0		69.4	
Wet		72.6		144.8 74.0	
Solar					
Max.					87.1 (90.4)
Gauge C		0			
Wind		1 ^e S		1 ^e E	
Clouds		8 Pm Sm		10 Pm M Sm raining some thunder	

SATURDAY, JUNE 29, 1872.

	7	10	2	4	9
Barom.		30.054		30.031	
Alt. Th.		74.0		85.9	
No. 4	67.2	82.6	87.6	89.0	77.6
Min.		65.1 (81.7)			
Day		83.4		89.5	
Net		74.4		74.4	
Solar				145.0 (123.0)	
Max.		-			88.0 (77.3)
Gauge C		9			
Wind		1 ^e W		1 ^e W	
Clouds		0 haze		1 Pm Sm M haze	

In Mr y < r ~~R~~ Ryz U

SUNDAY, JUNE 30, 1872.

	7	10	2 1 1/4	4 7 1/4	9
Barom.		30.039		29.978	
Alt. Th.		78.8		87.0	
No. 4	79.8	88.2	90.0	87.4	82.0
Min.		71.8 (87.2)			
Dry		89.1		86.9	
Wet		79.0		76.3	
Solar				153.2 (81.0)	
Max.					91.9 (81.3)
Gauge C		0			
Wind		34 S		14 S	
Clouds		0 M haze		8 B R R	

At 7 1/2 P.M. A 53 miles

h R R R U

MONDAY, JULY 1, 1872.

	7	10	21	4	9
Barom.		29.974		29.858	
Alt. H.		83.0		87.5	
No. 41		88.4	92.9	92.8	82.7
Min.		72.0 (87.2)			
Dry		88.6		91.8	
Wet		76.5		78.0	
Solar				152.8 (132.0)	
Max.					92.3 (82.0)
Gauge C		0.			
Wind		4 ^e SW		5 ^e SW	
Clouds		4 P. P. P.		5 P. M. Jm	

At 10¹/₆ A.M. both bulbs wet
Dry 78.0 Wet 76.9

h Rr dy gi

TUESDAY, JULY 2, 1872.

	7 ^{1/2}	10	2	4	9
Barom.		29.884		29.925	
Atm. Ph.		82.5		80.6	
No. 41	82.7	86.4	71.3	70.4	
Min.		76.0 (85.5)			
Dry		86.4		71.0	
Wet		74.6		64.8	
Solar				152.1 (1180)	
Max.					
Gauge C		0			
Wind		2 ^e N		6 ^e E	
Clouds		4 Im R M Rs Rm		4 R M Rm Rs	

At 10 A.M. before wetting
Dry 86.4 Wet 85.8

At 10^{1/2} A.M. both bulbs wet
Dry 76.0 Wet 74.8

Rhs Slight shower
about 2^{1/2} P.M.
h > y > 3.
y < 2u by 2u

WEDNESDAY, JULY 3, 1872.

	7	10 $\frac{1}{2}$	11 $\frac{1}{2}$	4 $\frac{1}{4}$	9
Barom.		29.935		29.870	
Alt. Th.		72.9		81.0	
No. 4	81.2	77.9	84.4	80.4	76.2
Min.		62.2 (76.6)			
Dry		79.0		80.4	
Wet		72.2		74.3	
Solar				149.7 (78.9)	
Max.		87.9 (76.3)			86.0 (76.0)
Gauge C					
Wind		2 nd S		5 th SW	
Clouds		1 Pm fm		9 Pm fm	

At 10 $\frac{5}{12}$ A.M. before wetting

Dry 78.6 Wet 78.0

At 10 $\frac{3}{4}$ A.M. both wet

Dry 73.3 Wet 72.1

At 10 $\frac{1}{2}$ A.M. Max 87.9 (76.3)

Py. now < 19 y < 18 Py. now < 110
Distant lightning in the west in the
evening: flashes very frequent.

THURSDAY, JULY 4, 1872.

	7	10 $\frac{1}{4}$	2	4	9
Barom.		29.832		29.861	
Alt. H.		79.2		82.8	
No. 4	77.0	88.9	89.0	71.1	70.8
Min.		70.4 (88.0)		70.0	
Day		89.0		72.0	
Wet		77.2		68.9	
Solar				150.4 (70.8)	
Max.					93.9 (70.3)
Gauge C		0			
Wind		3-5 W		2 W	
Clouds		0 2m Rs		10 Pm raining some thunder	

At 10 $\frac{1}{2}$ A.M. before wetting
 Dry 89.0 Wet 88.3
 At 10 $\frac{5}{6}$ A.M. both wet
 Dry 79.5 Wet 78.2
 Ray removed from dry
 bulb after rain.

Heavy thunder shower beginning
 about 2 $\frac{1}{2}$ P.M. wind strong South
 of west; lightning frequent, rather
 near; hail in stones nearly
 spherical $\frac{1}{2}$ in. in diameter.
 Bull at about 2 $\frac{1}{2}$ P.M.; storm
 resumed with wind more
 northerly; much rain & lightning.
 holding up at 2 $\frac{3}{4}$ P.M.
 (Continued at end of book)

FRIDAY, JULY 5, 1872.

	7	10	2	4	9
Barom.		29.904		29.908	
Alt. Th.		77.1		85.8	
No. 4	73.5	82.2	86.1	86.0	76.9
Min.		67.1 (80.7)			
Dry		82.2		86.4	
Wet		74.2		73.1	
Solar				147.0 (128.7)	
Max.					85.5 (76.2)
Gauge C		34 ^x			
Wind		3 rd SW		6 th W	
Clouds		14 M 7m R		2 M 7m	

At 10 A.M. Gauge A 11 lb. 0 $\frac{1}{2}$ oz. ~~or~~ 1.527 inches

At 10 A.M. before wetting
Dry 82.8 Wet 82.0

^x Rain from gauge C at 3 $\frac{1}{6}$ P.M. July 4
120, so that since 10 A.M. July 4 we have 154.
wh Syll

SATURDAY, JULY 6, 1872.

	7	10	2	4	9
Barom.		30.058		30.060	
Atm. Pr.		73.2		79.8	
No. 4		76.4	80.6	79.7	72.2
Min.		64.5 (75.4)			
Day		76.8		80.0	
Wet		65.8		66.6	
Solar				145.8 (100.2)	
Max.					80.5 (72.3)
Gauge C		0			
Wind		5 N		0 E	
Clouds		0 Pm Rs		1 M 7m	

At 9⁵ A.M. before wetting
 Dry 77.0 Wet 76.0

rh Rh ru

SUNDAY, JULY 7, 1872.

	7	10	1 ¹ / ₂	4	9
Barom.		30.120			
Alt. H.		71.8			
No. 4	71.2	80.0	82.2		74.3
Min.		61.3 (78.5)			
Dry		80.0			
Wet		68.6			
Solar					142.8 (67.3)
Max.		-			83.0 (74.3)
Gauge C		0			
Wind		1 ² N			
Clouds		9 Pm fm			

Bar ~ 22

Some aurora at 9¹/₂ P.M.

MONDAY, JULY 8, 1872.

	7	10	2	4	9
Barom.		30.234		30.199	
Alt. Th.		74.9		80.0	
No. 4	71.0	79.9	81.3	77.4	65.0
Min.		64.5 (78.6)			
Day		80.1		77.7	
Wet		65.8		68.8	
Solar				142.6 (119.8)	
Max.					82.0 (65.7)
Gauge C		0			
Wind		1 st N		7 th E	
Clouds		0 Fm haze		8 Pm M fm	

Rhr y < N Thunder showers
after 5 P.M. Pr 9.

TUESDAY, JULY 9, 1872.

	7	10	2	4	9
Barom.		30.258		30.210	
Att. Th.		73.9		83.0	
No. 4	68.8	79.6	84.0	84.4	72.3
Min.		61.0 (78.2)			
Dry		79.8		84.4	
Wet		71.8		72.2	
Solar				141.8 (105.0)	
Max.					84.0 (72.5)
Gauge C		40			
Wind		5 ^c S		8 ^c S W	
Clouds		6 P. M. fm		9 P. M. fm	

At 9⁵⁵ A.M. before wetting
Dry 79.1 Wet 78.4

At 11 A.M. Gauge A 46⁰⁰ inches
0.400 inches

☉ Syh $y > 10$ $y < 10$ $y < 10$

WEDNESDAY, JULY 10, 1872.

	1	40	2	4	9
Barom.		30.100		29.981	
Alt. Fk.		77.2		82.4	
No. 4	77.2	82.8	87.4	83.4	71.5
Min.		68.3 (81.0)			
Dry		82.8		83.3	
Wet		74.8		74.8	
Solar				148.6 (91.2)	
Max.					86.8 (72.0)
Gauge C		6° SW		15° SW	
Wind		10 P.M. N		10 P.M. W	
Clouds		Ion			

At 9¹² A.M. before wetting
Dry 82.2 Wet 81.3

Rev. Thunder showers after 5 P.M.
About 6³/₄ P.M. there was a very
intense flash, followed several seconds
by a very heavy peal of thunder.
Heavy streaks of lightning at once, repeatedly,
later in the evening.

THURSDAY, JULY 11, 1872.

	7	10	2	4	9
Barom.		29.864		29.855	
Atm. Th.		78.2		85.5	
No. 4	73.6	80.4	80.3	85.7	76.8
Min.		79.0 (79.5)			
Dry.		81.1		86.1	
Wet		73.0		70.0	
Solar				150.8 (130.2)	
Max.					85.4 (76.6)
Gauge C		14			
Wind		3 ^e NW		9 ^e NW	
Clouds		3 M fm R		6 RR M fm	

In Ry Shower at about 1 P.M. r.u.

FRIDAY, JULY 12, 1872.

	7	10	2	4	9
Barom.		29.980		29.807	
Att. P.		78.8		84.1	
No. 4	73.8	83.3	87.9	83.8	69.2
Min.		68.3 (81.7)			
Dry		83.2		83.6	
Wet		73.0		74.3	
Solar				159.5 (89.6)	
Max.					89.0 (69.2)
Gauge C		9			
Wind		0° NW		3° SW	
Clouds		10 Pm thin		40 Pm M Zn	

At 10 A.M. Gauge A 26 mm

Rye Thunder showers after 5 P.M.
y U

SATURDAY, JULY 13, 1872.

	7	10	2	4	9
Barom.		30.036		30.171	
Att. Th.		74.0		77.0	
No. 4	69.0	75.1		76.5	
Min.		66.0 (74.2)			
Day		75.8		77.0	
Wet		64.0		60.6	
Solar				139.7 (125.0)	
Max.					
Gauge		17.			
Wind		2 ¹ / ₂ N		8 ¹ / ₂ N	
Clouds		1 M Zn		0 R R R Zn	

At 9¹/₂ A.M. Gauge A 19¹/₄ ounces
 At 9¹/₂ A.M. before wetting
 Dry 75.7 Wet 74.6

sw

7 69.3

SUNDAY, JULY 14, 1872.

	7	10	2	4	9
Barom.					
Att. Th.					
No. 4 Min.	70.0				
Dry					
Wet					
Solar					
Max.					
Gauge					
Wind					
Clouds					

MONDAY, JULY 15, 1872.

	$7\frac{1}{2}$	$10\frac{1}{2}$	2	4	9
Barom.	29.992			29.966	
Alt. Th.	79.9			86.1	
No. 4	78.8	85.2	88.8	85.5	78.0
Min.	62.7	(84.3)		81	
Dry	85.7			84.8	
Wet	75.4			75.8	
Solar				147.5 (84.1)	
Max.					89.2 (76.7)
Yangil	0				
Wind	4 ^e SW			4 ^e SW	
Clouds	8 Pm R			10 Pm M Pm	
	R R			Pm	
				some rain	
				& thunder	

W R Thunder shower for
about 15 minutes beginning a little before
4 P.M. wind perhaps 15 miles per hour.
Sy U

TUESDAY, JULY 16, 1872.

	7	10	2	4	9
Barom.		29.832		29.799	
Att. Th.		79.0		85.0	
No. 4	78.0	83.8	89.4	79.5	74.8
Min.		68.1 (82.8)			
Dry		84.3		78.8	
Wet		76.6		73.6	
Solar				152.2 (77.3)	
Max.					89.0 (74.7)
Gauge C		43			
Wind		9 e SW		8 e SW	
Clouds		8 Pm M Im R		10 Pm Fm raining a little thunder	

At 9 $\frac{3}{4}$ A.M. before wetting
Dry 84.8 Wet 83.9

At 10 $\frac{1}{4}$ A.M. Gauge A 48 $\frac{3}{4}$ gauge

My Thunder shower about 4 P.M. Some rain
later. By U.

Some appearance of aurora about 9 $\frac{1}{4}$ P.M.

WEDNESDAY, JULY 17, 1872.

	7	10	2	4	9
Barom.		29.839		29.854	
Alt. Th.		79.2		79.1	
No. 4	76.5	82.3	80.1	73.6	68.1
Min.		71.1 (81.9)			
Dry		82.4		73.8	
Wet		75.7		69.1	
Solar				143.0 (77.2)	
Max.					83.8 (68.2)
Gauge C		6 ² NE		6 ² E	
Wind		7 ² NE		10 ² E	
Clouds		2 Pm M		10 Pm M	
		Fm Rm		Rm	
		Rs			

At 9¹⁵ A.M. before wetting
 Dry 83.9 Wet 83.0

At 10¹⁵ A.M. Gauge A 7 ounces.

Reh yk A10. yf A.

THURSDAY, JULY 18, 1872.

	7	10	2	4	9
Barom.		29.935		29.887	
Att. Th.		70.0		73.0	
No. 4	64.7	69.3	71.2	70.4	67.5
Min.		62.9 (68.5)			
Dry		70.1		71.0	
Wet		66.2		66.6	
Solar				108.4 (82.9)	
Max.					72.2 (67.9)
Gauge C		0.4			
Wind		5 ² N		4 ² E	
Clouds		10 Pm		10 Pm	

ym

FRIDAY, JULY 19, 1872.

	7	10	2.01	4	9
Barom.		29.872		29.883	
Atm. Th.		73.0		80.5	
No. 4	64.4	78.0	83.7	83.9	72.6
Min.		66.8 (77.2)			
Dry		78.9		84.3	
Wet		71.7		70.1	
Polar				149.8 (130.7)	
Max.					83.3 (72.4)
Gauge C		54 N		80 N	
Wind		7 Pm R R		6 R R R	
Clouds		R R R M Fm		M Fm Rm	

At 4 P.M. Gauge A. 8 1/2 inches.

Rr A 10 w by R

SATURDAY, JULY 20, 1872.

	7	10	2	4	9
Barom.		29.945		29.936	
Att. Th.		70.7		80.	
No. 4	66.5	75.75	80.5	82	72.5
Min.		74.8 (67.1)			
Dry		67.†		82.1	
Wet		60.		64.8	
Solar				141.4 (128)	
Max.					61.5 (76.8) x
Gauge C		0		0	
Wind		2 m N		W. (5 m)	
Clouds		xx No		M. R. $\frac{1}{4}$	

A. Searle left the Observatory for a vacation early in the morning of July 20, and returned Aug. 21 about noon. Observations meanwhile made mostly at 9 a.m. & at 4 P.M. no water in Gauge C.

x Apparently 81.5

† Apparently 77.0

xx Morning of July 20 remembered as very clear, so that probably the quantity of clouds should be 0.

See end of book for remarks on meteorological observations July 20 to Aug. 21 inclusive.

SUNDAY, JULY 21, 1872.

	7	10	21	4	9
Barom.		29.95		29.863	
Alt. H.		73.1		78.4	
No. 4	68.5	79.60	81.9	79.4	69.5
Min.		* 82.0 (71.5)			
Dry		78.5		79.8	
Wet		65.7		† 63.7	
Polar				† 20.5 (6.1)	
Max.					† 82.3 (76)
Gauge C					
Wind		S.W. (7 ^{mg})		S.W. (10 ^{mg})	
Clouds		R. M. Ds.		S. P. M. $\frac{1}{3}$	

* Dry. 78.0? which would be a probable reading from the state of the other thermometers.

† Lower than set yesterday

‡ May not have been fully set.

§ Minimum higher than No 4 at 7 A.M.

MONDAY, JULY 22, 1872.

	7	10	2	4	9
Barom.		29.695		29.732	
Alt. Th.		71.4		71.4	
No. 4	66.2	(2) 68.4 (6 ¹¹)	67.8	* 68.5	66.6
Min.		67.1			
Dry		68.9		* 73.8	
Wet		66.5		65.7	
Solar					
Max.					xx 77.2 (70.1)
Gaug.		5.5		8	
Wind		S.E. (4 ^{mi})		12 N	
Clouds		Pm		4 M.F.m.	

10 a.m. Gauge 4 lbs 13 ounces of water.

Rained in night until 9¹/₄ a.m. began again 1¹/₂ a.m. until 2 P.m. afternoon sun shining forth.

* Disagreement between No. 4 & Dry bulb. As the day was wet, probably the dry bulb should be 68.8 (5 degrees less than recorded.)

xx About as set yesterday, but that setting was apparently incomplete.

TUESDAY, JULY 23, 1872.

	7 ¹¹	10	2	4	9
Barom.		30.032		30.	
Alt. Th.		69.		75.5	
No. 4	62.5	70.6	77.	76.8	66.5
Min.		70.1 (62.3)			
Day		71.6		76.9	
Nat		58.7		63.7	
Solar				89.5 (100.)	
Max.					77.0 (70.1)
Gauge		0.		0	
Wind		3 NW		S. W 4	
Clouds		30 Rs.		4 R. N. Fm	

Solar thermometer ~~probably~~ 100.0 (89.5)

WEDNESDAY, JULY 24, 1872.

	7	10	2	4	9
Barom.		29.85		29.86	
Alt. Th.		70.1		74.2	
No 4	63.2	69.	73.9	74.9	67.9
Min.		54.5 (67.)			
Day		69.		75.7	
Wet		65.		67.8	
Solar				143.8 (120.1)	
Max.					64.8 (72.)
Gauge C		35		0.	
Wind		S.W. 3		2 S.E.	
Clouds		9 P.M.		No. P.M. 30	

10 A.M. 3.83 in Gauge A

Seems to mean 72.0 (64.8), or more
likely 74.8 (72.0)

THURSDAY, JULY 23, 1872.

	7	10	2	4	9
Barom.		30.10		30.	
Alt. Th.		69.5		74.9	
No. 4	63.8	72.9	76.0	76.8	68.0
Min.		59.5 (72.1)			
Day		74		77.0	
Nat		60.1		60.0	
Solar				138.7 (124.0)	
Max.					* 57.0 (66)
Gauge C		0.		0	
Wind		4 NE		6 NW	
Clouds		No Im.		R. Jan 10	
				Rs.	

* Perhaps 77.0

FRIDAY, JULY 26, 1872.

	7	10	2	4	9
Barom.		30.013		29.003	
Alt. Th.		69.5		68.2	
No. 4	65.7	64.1	61.5	59.1	58.7
Min.		50. (63.1)			
Dry		65.4		61.5	
Wet		62.5		58.8	
Solar				† 119.4 (63.0)	† 61.0 (42.5)
Max.					
Gauge C		7.0		54.0	
Wind		7. S. W.		6. S. E.	
Clouds		Part. all.		9/10 M. Pm	

Gauge A. 10. A.M. 9 ounces
 " " 4 P.M. 4¹⁰ - 10 ounces
 Rained from 6.30 A.M. until 3

* Must be 30.003, & G. Trowelot thinks so.

† Not unlikely 62.5, for being near that temperature it would very likely rise to it while being handled.

‡ Lower than Sat yesterday

SATURDAY, JULY 27, 1872.

	7	10	2	4	9
Barom.		29.843		29.875	
Alt. Th.		62.1		73.0	
No. 4	63.0	70.0	74.5	75.5	62.3
Min.		56.2 (69.1)			
Day		71.0		76.0	
Night		61.1		54.2	
Solar				138.0 / 125.0	
Max.					68.4 (61.0)
Gauge		2		0.	
Wind		10 N. W.		8. N	
Clouds		R. Fm.		$\frac{5}{10}$ Pm. RS $\frac{1}{2}$	

* Perhaps 78.4

Nice aurora between 8.30 and midnight, arch and streamers quite brilliant

SUNDAY, JULY 28, 1872.

	7	10 $\frac{1}{2}$	2	4	9
Barom.		30.075		30.058	
Att. Th.		66.5		73.9	
No. 4	59.7	68.2	74.9	76.5	66.2
Min.		56.0 (68.9)			
Dry		70.5		76.8	
Wet		59.0		64.4	
Solar				135.4 (117.9)	
Max.					* 68.9 (66.8)
Gauge		0		0	
Wind		1 ^m S.W.		4 S.W.	
Clouds		20 - S.		10 R. Fm	

* Probably 78.9

MONDAY, JULY 29, 1872.

	7	10	2	4	9
Barom.		30.05		29.995	
Att. Th.		71.4		79.4	
No. 4	66.8	80.6	86.8	81.4	74.0
Min		79.8			
Dry		78.8		81.9	
Wet		69.0		72.1	
Solar				144.0	
Max.				110.1	* 71.8 (71.8)
Gauge C		0		1/5	
Wind		7 W.		3 W.	
Clouds		Ps M. 5		Ps. Pm. 1/2	

Thunder storm between 11 P.M. and midnight also rain

+ Probably read 15 degrees too low
 true reading 86.8

TUESDAY, JULY 30, 1872.

	7	10	2	4	9
Barom.	29.95	29.45		29.985	
Att. Th.		73.8		76.4	
No. 4	67.6	73.5	76.2	80.5	66.1
Min.		51.0 (60.0)*		†	
Dry		74.0		61.3*	
Wet		63.4		70.9	
Solar				161.4 (116.2)	
Max.					† 68.2 (65.1)
Gauge C		65.		0	
Wind		8 ^m N.N.E		N.W. 7	
Clouds		$\frac{1}{3}$ Mo		M. Tm 3	

10.00 A.M. Gauge A. 5^{lbs} 13 $\frac{1}{2}$ oz

Some aurora between 9 & 11 P.M.

* Dry 70.0? & 81.3?
+ 20.7 78.2?

WEDNESDAY, JULY 31, 1872.

	7	10	2	4	9
Barom.	30.03			29.99	
Alt. Th.	69.5			73.8	
No. 4	63.2	71.5	74.5	71.5	63.5
Min.		+70.5 (58.5)		-	
Dry		71.5		71.4	
Wet		61.0		+70.8	
Solar				125.0 (77.5)	
Max.					+64.0 (62.0)
Gauge C		0		0.	
Wind		1° N.N. 0		5 ^m S.W.	
Clouds		$\frac{1}{10}$ P. R.		$\frac{2}{5}$ Pm	

Dry 74.0?
 + Dry 58.5 (70.5)
 + Dry 60.8 day apparently
 not very damp.

THURSDAY, AUGUST 1, 1872.

	7	10	2 $\frac{1}{2}$	4	9
Barom.		30.015		30.01	
Alt. Th.		69.4		74.1	
No. 4	64.7	70.7	76.9	71.4	63.9
Main.		56.0 (69.8)			
Dry		74.7		71.7	
Wet		62.5		57.8	
Solar				140.5 (115.0)	
Max.					62.1 (64.5)
Gauge C		1		0	
Wind		3 N.W.		3m S.E.	
Clouds		20. Fm		70 M	

Gauge A 2 ounces 10 a.m.

x 8 Mount for $\frac{1}{20}$ covered according to G. F. W. W.

FRIDAY, AUGUST 2, 1872.

	7	10	2	4	9
Barom.		30.025		30.008	
Alt. Th.		69.3		75.3	
No. 4	64.0	73.8	77.0	75.5	66.5
Min.		58.9 (72.0)			
Dry		73.8		* 62.3	
Wet		65.5		76.0	
Solar				140.0 (115.8)	
Max.					62.3 (63.1)
Range C		0		0	
Wind		3 S.W.		4 S.W.	
Clouds		$\frac{9}{10}$ m.		$\frac{4}{5}$ Fm. R. 4.	

* Probably Dry bulb 76.0 Wet 62.3

SATURDAY, AUGUST 3, 1872.

	7	10	2	4	9
Barom.	29.934	29.011			
Att. Th.	69.2	70.0			
No. 4	63.7	67.1	65.8	64.0	56.0
Min.		60.9 (66.0)			
Day	67.6		64.5		
Wet	64.9				
Solar					
Max.			78.5 (78.8)		59.1 (53.9)
Gauge C	28.		0		
Wind	2. S.		4 N.		
Clouds	all covered by cumulus haze.		all covered haze		

Gauge A. 60 a.m. 2^{lbs}

* Much below last setting

SUNDAY, AUGUST 4, 1872.

	7	10	2	4	9
Barom.		30.174		30.20	
Alt. Th.		65.9		69.8	
N. H.	60.0	63.5	68.5	67.8	61.5
Min.		56.5 (62.4)			
Dry		64.6		67.2	
Wet		59.9		61.0	
Refar				137.8 (116.1)	
Max.					60.5 (54.0)
Gauge C		0.		0.	
Wind		2. N.E.		3. S.E.	
Clouds		$\frac{4}{5}$ M.		5 M. C r.	

MONDAY, AUGUST 5, 1872.

	7	10	2	4	9
Barom.	30.32	30.33		30.283	
Att. H.	69.3	67.3		70.5	
No. 4	59.2	70.0		70.5	64.9
Min.		52.8 (69.5)			
Dry		71.0		* 76.2	
Wet		63.8		* 61.6	
Solar				136.8 (122.5)	
Max.					65.5 (60.0)
Gauge C		0		0.	
Wind		1/2 S.E.		3 S.E.	
Clouds		1. M			

* Probably No. 4 is right & the dry bulb should be 71.2

TUESDAY, AUGUST 6, 1872.

	7	10	2	4	9
Barom.		30.233		30.193	
Alt. Th.		69.1		78.3	
No. 4	63.0	74.4		80.5	75.6
Min.		58.0 (72.5)			
Dry		74.8		80.5	
Wet		64 65.9		69.0	
Solar				136.5 (111.6)	
Max.					76.5 (74.9)
Gauge C		0		0	
Wind		3 S. W.		5 S. W.	
Clouds		3 R. Fm		5 Fm	

WEDNESDAY, AUGUST 7, 1872.

	7	12	2	4	9
Barom.		30.227			
Alt. Th.		77.0			
No. 4	69.8	83.7			
Min.		65.2 (81.7)			
Dry		83.1			
Wet		73.2			
Solar					
Max.					
Cloud		0.			
Wind		5 S W			
Clouds		3 R. M			

* Probably this is one of the days that
should be noted.

THURSDAY, AUGUST 8, 1872.

	7	10	2	4	9
Barom.	30.1	30.2	30.1	30.0	30.1
Att. Th.	88.5	88.5	88.5	88.5	88.5
No. 4	71.2	80.7	86.7	88.3	88.5
Min.	15.0	(79.8)	(83.2)	88.5	88.5
Dry	2.9	0.1	5.2	2.5	2.5
Wet	8.5	6.0	5.2	7.5	1.0
Solar	2.5	1.5	1.5	1.5	1.5
Max.					
Gauge					
Wind					
Clouds					

FRIDAY, AUGUST 9, 1872.

	7	10	2	4	9
Barom.		30.216		30.184	
Alt. Th.		78.0		88.5	
No. 4	72.3	85.5		89.0	
Min.		66.5 (86.0)			
Dry		85.7		88.8	
Wet		76.2		74.3	
Solar.				144.7 (123.5)	
Max.					
Gauge C		0		0	
Wind		3 SW			
Clouds		0		7 4.00 5 Fm	

Shooting stars numerous after 10 P.M.

SATURDAY, AUGUST 10, 1872.

	7	10	2	4	9
Barom.		30.112		30.003	
Alt. Th.		75.5		82.5	
No. 4	70.7	80.7	86.1	83.3	74.0
Min.		65.0 (79.8)			
Day		80.1		82.5	
Nit		69.0		71.3	
Solar				141.0 (122.0)	
Max.					74.2 (75.2)
Gauge C		0		0	
Wind		7 S W.		5 S W	
Clouds		0		10 P m	

SUNDAY, AUGUST 11, 1872.

	7	10-30	2	4	9
Barom.		30.108		30.09	
Alt. Th.		77.4		81.2	
No. 4	72.5	82.3	81.8	76.8	71.0
Min.		67.7 (80.6)			
Dry		81.0		77.2	
Wet		74.5		72.9	
W. Bar.				145.5 (80.0)	
Max.					74.0 (73.3)
Gauge		0		0	
Wind		2 S. W.		3 S. E.	
Clouds		7 Pm		4 Pm	

MONDAY, AUGUST 12, 1872.

	7	10	2	4	9
Barom.		30.118		30.11	
Atm. Th.		77.4		78.0	
No. 4	75.3	80.6	79.0	71.7	67.7
Min.		69.5 (78.8)			
Dry		80.5		71.7	
Wet		74.3		67.2	
Solar				137.5 (85.0)	
Max.					70.0 (67.7)
Gauge C		2		0.	
Wind		2 S.		3. E.	
Clouds		5 Pm		4 $\frac{1}{2}$ Pm.	

Gauge a $\frac{1}{2}$ ounce.

TUESDAY, AUGUST 13, 1872.

	7	10	2	4	9
Barom.		30.06		30.00	
Att. Th.		74.3		81.0	
No. 4	66.2	78.2	84.0	85.0	76.3
Min.		66.4 76.0			
Dry		76.7		84.0	
Wet		71.0		76.8	
Solar				132.3 (100.5)	
Max.					74.9 (62.2)
Gauge C		35.		0	
Wind		2 E.		5 S.	
Clouds		5 Fm. Pm		2 P.M.	

Gauge A 10 A.M. $3\frac{3}{4}$ ounce.

Shower about 6 P.M. with thunder in the distance

WEDNESDAY, AUGUST 14, 1872.

	7	10	2	4	9
Barom.	30.06				
Alt. Th.	70.5				
No. 4	72.8	77.7	81.5		
Min.		69.8 (77.0)			
Day		78.0			
Net		73.5			
Solar					
Max.					
Gauge C		16.			
Wind		S. S. W.			
Clouds		10 P. Pm			

Gauge A. 10 a.m. 1^{lb} 11 ¹/₄ oz

Severe thunder storm about 6 P.M. telegraph apparatus broken - storm came back after midnight and brought with it a heavy rain - the rain fell several hours.

THURSDAY, AUGUST 15, 1872.

	7	10	2	4	9
Barom.		30.06		30.023	
Att. Th.		75.0		83.7	
No. 4		80.0	82.8	80.1	73.5
Min.		66.8 / 78.0			
Dry		80.6		* 85.0	
Wet		73.5		75.2	
Solar				150.6 (84.5)	
Max.					74.2 (76.0)
Gauge C		135			
Wind		3 W.N.W		3 W	
Clouds		5 Pr. R. S. Sm		2 Pm. R	

Gauge A 10 a.m. 9 lbs. 10 oz

* No. 4 most likely to be read right. Dry bulb probably 80.0

FRIDAY, AUGUST 16, 1872.

	7	10	2	4	9
Barom.		30.19		30.11	
Alt. Th.		71.5		76.5	
No. 4	73.5	79.7	73.7	73.2	67.9
Min.		76.4 (78.5)			
Dry		79.2		* 68.0	
Wet		73		67.0	
Solar				135.0 (73.5)	
Max.					68.7 (68.5)
Gauge C		23½		76.0	
Wind		2 W		2 E.	
Clouds		4 Pm		4 Pm	

* No. 4 most likely to be read right. Dry bulb probably 73.0 I read 5 degrees too low.

SATURDAY, AUGUST 17, 1872.

	7	10	2	4	9
Barom.		30.003			
Alt. H.		76.5			
No. 4	75.3	75.5	79.9		76.2
Min.		66.5 (73.8)			
Dry		76.5			
Wet					
Solar					
Max.					75.6 (69.9)
Gauge C		+170.0			
Wind		4 S.W.			
Clouds		5 P.M.			

Gauge A 10 A.M. 37th ounces

= 442 ounces + 3.824 inches

* 76 at 4 P.M. Aug. 16 & 170 at 10 A.M. Aug. 17
make 246 in all. The two gauges disagree.
Probably Gauge C is right and some mistake
was made in weighing the water in gauge A.
If the ~~water~~ bottle was weighed 3 times with the
water and its weight neglected, the excess would
be about 1.44 inches which would seem to be
about the actual error.

SUNDAY, AUGUST 18, 1872.

	7	10	2	4	9
Barom.		30.172		30.141	
Alt. H.		76.8		82.1	
No. 4	74.7	80.5	83.5		74.4
Min.		68.2 (79.4)			
Dry		79.9		83.5	
Wet		72.6		72.2	
Solar				146.4 (125.9)	
Max.					79.8 (83.5)
Gauges		5		0	
Wind		2 S.W.		1 1/2 N.W.	
Clouds		5 P. Inc		10 Fm	

MONDAY, AUGUST 19, 1872.

	7	10	2	4	9
Barom.		30.192		30.187	
Att. H.		77.6		84.8	
No. 4	75.0	79.9	86.5	83.1	75.0
Min.		69.4 (78.8)			
Dry		81.2		83.0	
Wet		75.0		74.4	
Solar				1145.2 (82.5)	
Max.					74.4 (82.4)
Gauge C		3		0	
Wind		3 S W		2 N E	
Clouds		10 R. Fm Pm		5 Pm	

Gauge A 10 a.m. 2 ounces

TUESDAY, AUGUST 20, 1872.

	7	10	2	4	9
Barom.		30.325			
Att. Th.		75.2			
No. 4	68.7	76.5	76.0		69.5
Bar.		67.0 (752)			
Dry		77.7			
Wet		67.9			
Solar					
Max.					69.5 (62.2)
Gauge C		10.0			
Wind		2 N. E.			
Clouds		4 Pm. Pm			

WEDNESDAY, AUGUST 21, 1872.

	7	10	2	4	9
Barom.		30.225		30.152	
Alt. Th.		73.0		73.4	
No. 4	67.8	74.1	69.9	67.7	67.8
Min.		64.5 (73.0)		68.6	
Day		74.9		64.7	
Wet		68.8		134.5 (71.6)	
Solar					73.6 (67.7)
Max.					
Gauge C		0			
Wind		2 S.E.		8 E	
Clouds		3 Pm Fm		10 Pm Fm	

A. Searle began observing again at 2 P.M.
 yu

THURSDAY, AUGUST 22, 1872.

	7	10	2	4	9
Barom.		29.973		29.890	
Alt. Th.		73.9		77.0	
No. 4	72.2	77.3	74.0	67.2	66.9
Min.		66.4 (76.0)			
Dry		77.6		68.0	
Wet		73.1		66.6	
Solar				140.9 (66.5)	
Max.					827 (67.0)
Gauge C		* 37 $\frac{1}{2}$			
Wind		4 th S		1 st SW	
Clouds		10 Pm		10 Pm rain thunder lightning	

Heavy ^{yu} thunder showers after 2 P.M.
 Bottle of gauge C overflowing at
 4 P.M.
 Rain stopped before 6 P.M.

^{yu} Cleared off in the night
 following.
 * This water was outside the bottle in the copper
 cylinder, and probably belongs to the rainfall of
 some previous day.

FRIDAY, AUGUST 23, 1872.

	7	10	2	4	9
Barom.		29.900		29.907	
Alt. In.		76.0		78.7	
No. 4	74.8	77.5	80.7	79.5	69.5
Min.		64.8 (77.0)			
Dry		78.8		80.1	
Wet		69.8		69.1	
Solar				148.0 (121.0)	
Max.					80.9 (69.4)
Gauge C		253 $\frac{7}{10}$			
Wind		9 ^e N		2 ^e SE	
Clouds		0 Pm 7m		3 Pm 11 7m	

At 10 $\frac{1}{2}$ A.M. Gauge A 302 $\frac{3}{4}$ ounces 2.619 inches.

Roh 22

SATURDAY, AUGUST 24, 1872.

	7	10	2	4	9
Barom.		30.067		30.052	
Atm. Ph.		70.3		78.6	
No. 4	71.3	73.6	78.7	79.2	69.3
Min.		60.1 (73.1)			
Dry		74.9		79.8	
Wet		65.4		65.7	
Solar				138.8 (120.0)	
Max.					788 (70.0)
Gauge C		0			
Wind		0° SE		1° SW	
Clouds		0 Pm 7m		0 Pm 7m	

Roh. R. 24

SUNDAY, AUGUST 25, 1872.

	7	10	12	4	9
Barom.		30.073		30.031	
Alt. Th.		72.3		79.2	
No. 4	67.7	78.2	81.4	81.3	71.6
Min.		62.7 (77.5)			
Dry		79.4		81.5	
Wet		72.0		68.4	
Solar				142.7 (169)	
Max.					82.3 (71.9)
Gauge C		0			
Wind		3 ^e SW		5 ^e SW	
Clouds		10 Pm Pm		5 Pm M Pm	

Auroral light among clouds in the north noticed 8 to 9 P.M. & from about 8 $\frac{1}{2}$ to about 8 $\frac{1}{2}$ P.M. a singular white arch from just south of Arcturus towards the S E with a branch north of Arcturus; resembling bright cirro-cumulus clouds.

y Rec

MONDAY, AUGUST 26, 1872.

	7	10	12 0	5 4	9
Barom.		30.020		29.978	
Alt. Th.		72.9		79.8	
No. 4		75.3	79.8	80.1	71.5
Min.		64.0 (74.0)			
Dry		76.1		80.0	
Wet		68.9		72.0	
Solar				141.5 (106.5)	
Max.					82.3 (71.0)
Gauge C		0			
Wind		4 ^e W		8 ^e SW	
Clouds		4 Pm Im		3 Pm M Im	

Rch

TUESDAY, AUGUST 27, 1872.

	7	10	2	4	9
Barom.		29.849		29.776	
Att. Th.		74.0		75.3	
No. 4	70.0	76.8	76.1	74.6	
Min.		66.2 (75.4)			
Day		77.0		75.1	
Night		72.7		67.0	
Solar				133.2 (858)	
Max.					
Winds		0		14 ^e N	
Clouds		7 ^e SW 10 Pm Fm raining		9 Pm M Fm	

or some showers beginning at
10 A.M.

y > N all

WEDNESDAY, AUGUST 28, 1872.

	7	10	2	4	9
Barom.		30.008		29.985	
Alt. Th.		68.5		73.0	
No. 4	61.5	71.0	72.8	73.0	63.8
Min.		57.8 (70.0)			
Dry		71.9		73.7	
Wet		59.4		59.2	
Solar				147.2 (116.8)	
Max.		76.4 (70.7)			73.5 (64.0)
Gauge C		3 $\frac{3}{10}$			
Wind		6 ^e NW		13 ^e N	
Clouds		7 Pm Pm 7m		5 Pm Pm M	

Rew

THURSDAY, AUGUST 29, 1872.

	7	10	2	4	9
Barom.		30.058		30.000	
Alt. H.		66.2		70.9	
No. 4		67.0	68.8	66.5	63.6
Mlin.		52.0 (66.1)			
Dry		67.8		67.1	
Wet		56.8		59.5	
Solar				132.8 (88.7)	
Max.					68.5 (64.4)
Gauge C		0			
Wind		8 ^e SE		9 ^e SE	
Clouds		2 Rm Rm		10 Rm Rm Rm Fm	

$n \text{ Rl } y < \underline{N}$

Rain beginning about 9 P.M.

FRIDAY, AUGUST 30, 1872.

	7	10	2	4	9
Barom.		29.518		29.520	
Att. Th.		65.8		66.9	
No. 4	55.2	60.0	61.4	64.5	58.5
Min.		57.2 (59.8)			
Dry		61.1		65.4	
Wet		59.7		61.4	
Solar				109.7 (90.0)	
Max.					64.8 (57.7)
Gauge		284 $\frac{6}{10}$			
Wind		18° E		6° NW	
Clouds		10 Pm raining		9 Pm 7m	

Heavy rain early in the day. Showers
later. Windy P. afternoon
y > A4. slw.

SATURDAY, AUGUST 31, 1872.

	7	10	2	4	9
Barom.		29.649		29.668	
Att. Th.		60.4		66.4	
No. 4	50.2	58.7	64.6	64.9	58.3
Min.		48.2 (57.9)			
Dry		59.9		65.6	
Wet		53.4		55.7	
Solar				130.7 (88.9)	
Max.					65.0 (58.9)
Gauge C		13 $\frac{2}{10}$			
Wind		6 ^e W		11 ^e NW	
Clouds		9 Pm 7m		6 M Pm 7m Pm	

Gauge A at 10 A.M. $32\frac{1}{2}$ inches 2.781 inches

Ryl 22

Some auroral light over clouds
in the N. at 9 P.M.

SUNDAY, SEPTEMBER 1, 1872.

	7	10	11 ⁵ 20	6 ¹ 2	9
Barom.		29.858		29.942	
Alt. Th.		62.5		67.0	
No. 4	57.5	63.2	64.0	63.8	58.0
Min.		52.4 (62.7)			
Dry		64.4		64.3	
Wet		54.8		56.2	
Solar				140.8 (57.0)	
Max.					67.9 (58.7)
Gauge		0			
Wind		10 ^e NW		3 ^e NW	
Clouds		5 M Fm		5 V ₂ R _s	

Rat Mt

MONDAY, SEPTEMBER 2, 1872.

	7 ^{1/2}	10	3^{1/2} 4	4	9
Barom.		29.862		29.830	
Alt. Th.		65.0		70.4	
No. 4	6.3.6	68.2	74.4	73.2	61.7
Min.		56.2 (67.1)			
Dry		68.8		73.8	
Wet		61.0		63.0	
Solar				134.0 (115.3)	
Max.					73.9 (62.0)
Gauge C		0			
Wind		9 ² W		14 ² W	
Clouds		10 Pm raining		4 Pm M fm	

Slight showers after 10 A.M.,
N. R. all

TUESDAY, SEPTEMBER 3, 1872.

	7	10	2	4	10 ³ / ₄
Barom.		29.6949		29.930	
Alt. Th.		61.0		64.5	
No. 4	50.0	56.6	61.1	59.1	48.2
Min.		48.5 (56.0)			
Dry		58.1		59.9	
Wet		49.7		116.4	
Solar				125.5 (83.9)	
Max.					62.0 (50.0)
Gauge C		1 1 1/2			
Wind		23 N		16 N	
Clouds		5 M 7m		7 R 11 M 7m	

At 10 1/2 A.M. Gauge A 1 ounce 0.009 inches
Ryl sa

WEDNESDAY, SEPTEMBER 4, 1872.

	7	10	2	4	9
Barom.		29.958		29.916	
Atm. Pr.		57.4		63.5	
No. 4	46.5	55.5	60.5	61.7	52.5
Min.		41.3 (55.0)			
Dry		56.8		62.5	
Wet		47.3		51.0	
Solar				132.4 (110.3)	
Max.					61.3 (53.3)
Gauge C		0			
Wind		8 ^e NW		6 ^e NW	
Clouds		1 M fm R.		2 M fm	

Faint auroral arch at 9 P.M.
Rrl

THURSDAY, SEPTEMBER 3, 1872.

	7	10	2	4	9
Barom.		29.959		29.914	
Alt. Th.		58.0		65.8	
No. 4	47.2	57.9	69.3	67.9	59.4
Min.		44.4 (56.9)		68.0	
Dry		58.8		57.0	
Wet		53.6		134.0 (84.0)	
Solar					68.3 (59.3)
Max.					
Gauge C		0		0	
Wind		1 ^e NW		6 ^e SW	
Clouds		10 Pm		6 Pm 7m Pm	

wy $y > \frac{1}{2}$ $y < \frac{1}{4}$ $y \frac{1}{2}$

FRIDAY, SEPTEMBER 6, 1872.

	7	10	$2\frac{1}{2}$	A	B 11
Barom.		29.999		29.985	
Att. Th.		64.6		70.9	
No. 4	67.3	68.6	69.8	68.3	63.4
Min.		56.7	67.0		
Day		68.8		69.0	
Night		63.5		63.2	
Solar				140.0 (107.0)	
Max.					73.4 (63.4)
Gauge C		0			
Wind		5 ^e SW		5 ^e SE	
Clouds		10 Pm		8 haze Pm M.	

$y_w \geq \underline{N} \quad y < N_g.$

SATURDAY, SEPTEMBER 7, 1872.

	7	10	2	4	9
Barom.		30.057		29.988	
Atm. Th.		67.3		72.6	
No. 4	70.2	71.7	76.0	78.0	69.2
Min.		61.1 (70.3)			
Dry		72.4		78.7	
Wet		67.2		71.0	
Solar				144.1 (109.4)	
Max.					77.5 (69.1)
Gauge C		0			
Wind		4 ^e SW		7 ^e SW	
Clouds		10 Pm		1 Pm haze	

y w drat. all.

SUNDAY, SEPTEMBER 8, 1872.

	7	10	12 ⁵ / ₆	5 ¹ / ₃	9 ¹ / ₆
Barom.		29.938		29.900	
Alt. Th.		72.6		82.3	
No. 4	73.5	80.7	87.6	86.2	79.5
Min.		66.9 (80.4)			
Dry		82.0		86.4	
Wet		74.7		77.9	
Solar				143.3 (89.4)	
Max.					88.1 (78.5)
Gauge C		6 ⁰			
Wind		6 ^e SW		5 ^e W	
Clouds		0 haze		1 Pm haze	

hs Sz

MONDAY, SEPTEMBER 9, 1872.

	7	10	2	4	9
Barom.		30.130		30.208	
Atm. Th.		72.7		70.5	
No. 4	74.5	64.3	62.0	61.7	57.6
Min.		63.5 (63.5)			
Dry		65.1		62.7	
Wet		60.3		56.8	
Polar				99.7 (71.1)	
Max.					78.7 (58.4)
Gauge C		0			
Wind		9° NE		7° E	
Clouds		10 Pm		10 Pm	

y Rd In 26

Some unusual light over clouds at 10 P.M.

TUESDAY, SEPTEMBER 10, 1872.

	7	7³/₄	2	4³/₄	9 ¹ / ₄
Barom.		30.360		30.350	
Alt. H.		63.3		68.2	
		8			
No. 4	55.0	59.1	64.6	63.8	57.8
Min.		50.1 (58.3)			
Dry		60.7		64.8	
Wet		56.5		57.4	
Solar				130.8 (90.0)	
Max.					65.0 (58.2)
Gauge C		0		0	
Wind		5 ^e E		2 ^e SE	
Clouds		6 Pm 7m R ₁		1 Pm R ₁ haze	

very y > Ag. Rill y < yly

WEDNESDAY, SEPTEMBER 11, 1872.

	7	10	2	4	8 ⁵ 6
Barom.		30.368		30.308	
Alt. H.		64.6		67.0	
No. 4	58.2	61.8	67.5	65.9	62.5
Min.		55.6 (60.6)			
Day		62.3		66.2	
Wet		57.4		60.6	
Dolar				90.0 (68.0)	
Max.					65.9 (62.5)
Gauge C		1 ¹ / ₁₀			
Wind		5 ¹ / ₂ S E		4 ¹ / ₂ S E	
Clouds		10 Pm		10 Pm	

yu

THURSDAY, SEPTEMBER 12, 1872.

	7	10	2	4	9
Barom.		30.225		30.166	
Alt. Th.		7.3		74.8	
No. 4	61.2	71.9	77.2	74.8	65.1
Min.		60.3 (70.8)			
Day		72.8		75.0	
Net		67.0		66.0	
Solar				139.8 (93.0)	
Max.					77.1 (65.7)
Gauge C		0			
Wind		3 ^c S		8 ^c S	
Clouds		10 Pm		2 M 7m Pm	

yw y > K all

FRIDAY, SEPTEMBER 13, 1872.

	7	10	2 $\frac{1}{4}$	4 $\frac{1}{4}$	11 $\frac{5}{6}$
Barom.		30.078		30.036	
Alt. Th.		70.8		73.3	
No. 4	67.7	74.9	76.2	70.1	68.8
Min.		60.1 (73.7)			
Dry		75.8		70.6	
Wet		70.1		68.2	
Solar				132.9 (71.4)	
Max.					78.8 (68.4)
Gauge C		0			
Wind		12 ^e S		7 ^e S	
Clouds		10 Pm		10 Pm Fm	

yes Moderate showers at times
beginning about 10 A.M. & continuing through
the day & evening,

SATURDAY, SEPTEMBER 14, 1872.

	7	10	2	4	9
Barom.		30.108		30.086	
Alt. H.		69.3		70.3	
No. 4	64.8	65.0	68.7	69.0	61.3
Min.		63.9 (64.1)			
Dry		66.0		69.8	
Wet		59.1		62.2	
Solar				123.0 (80.7)	
Max.					58.0* (50.0)
Gauge C		50 $\frac{7}{10}$			
Wind		10 ² NW		1 ² NW	
Clouds		9 Pm Pm Pm		10 Pm	

At 10 A.M. Gauge A 62 $\frac{1}{4}$ ounces 0.539 inches
y w

A. Searle absent from 9 P.M. Sept. 14 to
10 A.M. Sept. 16 inclusive. Observations
by L. G. G. Truvelot.

~~* Omitted in copy as evidently incorrect.~~
* No doubt from ~~the~~ explanations subsequently furnished
that the reading 58.0 is that of the lower end of the detached
portion of the mercury and 50.0 that of the upper end of the
column from the bulb: the length of the detached portion is
53 about 10 degrees and that of the air bubble about half a degree,
so that the true record is approximately 68.0 (50.5)

SUNDAY, SEPTEMBER 15, 1872.

	7	10	2.3	4	9
Barom.		30.17		30.12	
Alt. Th.		64.6		64.6	
No. 4	61.7	58.0	55.8	55.8	53.4
Min.		55.0 (57.0)			
Dry		58.9		56.5	
Wet		51.9		53.5	
Solar				21.0	
Max.					54.5 (43.2)
Gauge C		0		(3 ounces) 26½	
Wind		6 N. E.		2 N. E.	
Clouds		PM PM		9 PM	

Sprinkled from 8.30 a.m. to 3 P.m. began again at 4.30 P.m.

* Omitted in copy as evidently incorrect.
* See note on maximum of yesterday.

MONDAY, SEPTEMBER 16, 1872.

	7	10	2	4	9
Barom.		29.95 ²		28.896	
Alt. H.	61.2	61.2 ¹⁰		62.4	
No. 4	56.2	54.5	56.8	57.6	55.2
Min.		51.4		55.6	
Dry		56.2		54.2	
Wet		54.1			
Polar				84.5 (56.2)	
Max.					56.6 (55.6)
Gauge C		(11 oz) *97.1			
Wind		10. N.E.		9 ^{NE}	
Clouds		10. Pm		10 Pm raining	

yc frequent heavy showers. A little thunder & lightning in the evening.

At 5 P.M. Gauge A 267 ounces
2.3/10 inches

* 97.1
26.5 4 P.M. Sept. 15
123.6 in all

† Undoubtedly an error
for 29.896, as
nothing remarkable was
noticed.

Gauge C 4 P.M. 10 oz.

TUESDAY, SEPTEMBER 17, 1872.

	7	10	2	4	9
Barom.		29.984		29.986	
Att. Th.		62.4		62.7	
No. 4	54.5	53.9	56.5	56.3	54.8
Min.		53.5 (53.0)			
Dry		57.0		57.1	
Wet		55.3		54.6	
Solar				70.0 (59.9)	
Max.					56.3 (54.8)
Gauge C		216 $\frac{2}{10}$			
Wind		7 ^e NE		3 ^e NE	
Clouds		10 Pm mist		10 Pm	

yme

Gauge A at 5 P.M. 99 ounces 0.856 inches

C 10 A.M. 14 $\frac{1}{2}$ oz in all since 10 A.M. Sept 16 24 $\frac{1}{2}$ oz.

WEDNESDAY, SEPTEMBER 18, 1872.

	7	10	2	4	9
Barom.		29.936		29.883	
Alt. Th.		62.0		65.2	
No. 4	56.8	62.1	60.1	64.2	59.3
Min.		53.7 (61.2)			
Dry		63.0		65.0	
Wet		59.5		62.6	
Solar				135.4 (94.0)	
Max.					68.4 (59.2)
Gauge C		0			
Wind		5° S E		5° S W	
Clouds		10 Pm		7 Pm 7m	

Rain with some thunder beginning
about 1 $\frac{2}{3}$ P.M. with slight S W wind.
y > A 3. y 2. v A 7. y 9 $\frac{1}{2}$

At 5 $\frac{1}{4}$ P.M. Gauge A 34 $\frac{1}{4}$ ounces 0.296 inches
C 3 $\frac{1}{4}$ " 0.287 "

THURSDAY, SEPTEMBER 19, 1872.

	7	10	2	4	9
Barom.		29.778		29.663	
Atm. Pr.		63.7		64.6	
No. 4	56.7	59.1	60.9	63.6	56.0
Min.		53.8 (58.3)			
Dry		60.2		64.8	
Wet		58.3		62.8	
Solar				94.0 (75.2)	
Max.					62.7 (56.2)
Gauge C		0			
Wind		7 th SE		1 st N	
Clouds		10 Pm mist some rain		10 Pm M Fern	

yeam showers with thunder & lightning
forenoon & evening.

* .287 yesterday

Gauge C at 4 P.M. barometer 0.706 inches

FRIDAY, SEPTEMBER 20, 1872.

	7	10	2	4	9
Barom.		29.749		29.800	
Alt. Th.		60.1		64.7	
No. H.	51.0	60.4	63.1	61.6	52.4
Min.		49.7 (59.9)			
Day		61.9		62.5	
Wet		54.4		52.5	
Solar				132.3 (68.5)	
Max.					63.1 (54.0)
Gauge C		* 83 $\frac{8}{10}$			
Wind		10 th NW		10 th NW	
Clouds		7 Pm M 7m R		9 Pm M 7m	

Gauge A at 10th A.M. 95 $\frac{1}{4}$ ounces 0.824 inches

* Gauge C at 10 A.M. 1 $\frac{1}{2}$ ounces 0.132 inches
4 P.M. Sept. 19 .706 "
in all 0.838 "

Ryhl Ru 29.

SATURDAY, SEPTEMBER 21, 1872.

	7	10	2	4	9
Barom.		29.972		29.960	
Att. Th.		57.4		64.9	
No. 14	48.7	57.9	65.4	65.7	56.2
Min.		46.2 (57.3)			
Dry		59.2		66.8	
Wet		49.3		53.1	
Solar				128.0 (95.5)	
Max.					65.5 (56.9)
Gauge		0		0	
Wind		10 th W		4 th W	
Clouds		0		0	

w r

Shower in the afternoon

SUNDAY, SEPTEMBER 22, 1872.

Barom.	7	11 $\frac{1}{2}$ 78 30.017	1 $\frac{1}{2}$ 60	4	8 11 $\frac{1}{2}$
Alt. Th.		69.2			
No. 4	67.6	74.9	79.1		69.8
Min.		51.6 (74.4)			
Dry		76.1			
Wet		66.1			
Solar					136.4 (67.7)
Max.					80.0 (69.2)
Gauge C		0			
Wind		4 ^e SW			
Clouds		0			

hr by 21

4 P.M. Sept. 19

Rypl Roll 29

MONDAY, SEPTEMBER 23, 1872.

	7	10	2	4 ¹ / ₃	9
Barom.	30.270			30.247	
Alt. Th.	71.8			73.3	
No. 4	68.5	73.5	75.2	67.1	62.4
Min.	64.7 (72.9)				
Dry	74.6			67.8	
Wet	65.8			63.1	
Solar				135.0 (73.5)	
Max.					75.9 (62.3)
Gauge C	0				
Wind	0 ² SW			4 ^e E	
Clouds	2 Pm Im hazy			8 Pm Im	

ny
 $y > \pi$ $y < \pi$ π π
 Shows in the afternoon

TUESDAY, SEPTEMBER 24, 1872.

	7	10	2	4	9
Barom.		30.356		30.329	
Att. Th.		65.4		72.9	
No. 4	57.8	68.3	74.7	74.6	67.5
Min.		55.4 (67.3)			
Dry		69.4		75.1	
Wet		64.0		69.7	
Star				129.9 (82.0)	
Max.					74.9 (67.7)
Gauge		3 $\frac{3}{10}$			
Wind		2 nd SE		4 th S	
Clouds		5 Pm haze		10 Pm Fm	

Ruys $y < \underline{N}$ $y < \underline{u}$

Gauge C at 10 A.M. $0 \frac{3}{8}$ ounces

WEDNESDAY, SEPTEMBER 25, 1872.

	7	10	2	4	9
Barom.		30.279		30.190	
Alt. Th.		64.0		74.9	
No. 4	66.5	70.3	75.3	74.8	70.4
Min.		64.4 (69.3)			
Dry		71.0		75.6	
Wet		66.2		69.4	
Solar				133.3 (92.0)	
Max.					74.9 (70.2)
Gauge C		0			
Wind		1 st S W		5 th S	
Clouds		10 Pm		9 Pm M Jm	

my $y > A_{10}$ $y < A_{12}$ $y > A_{14}$ n_{11} $Ry \bar{g}$.

THURSDAY, SEPTEMBER 26, 1872.

	7	10	2	4	9
Barom.		30.074		30.024	
Alt. Th.		69.7		71.3	
No. 4	64.7	69.6	72.8	70.0	65.1
Min.		63.8 (68.6)			
Dry		70.5		70.7	
Wet		66.3		64.0	
Solar				98.7 (73.0)	
Max.					72.0 (65.2)
Gauge C		17 ⁷ / ₁₀			
Wind		2 ^e S		15 ^e S	
Clouds		10 Pm a little rain		10 Pm 7m	

my showers with some thunder
or g.

A at 10 ¹/₂ A.M. 24 ³/₄ omms 0.214 inches
C at 10 A.M. 2 omms 0.177 inches

FRIDAY, SEPTEMBER 27, 1872.

	7	10	2	4	9
Barom.		29.950		29.886	
Att. Th.		67.8		68.4	
No. 4	63.2	63.4	67.9	66.3	64.2
Min.		61.2 (62.6)			
Dry		64.3		67.0	
Wet		62.8		64.4	
Solar				84.8 (67.4)	
Max.					66.8 (64.1)
Gauge C		90½			
Wind		0° E		1° S	
Clouds		10 Pm 7m raining		10 Pm 7m raining	

Morning rainy: rain at intervals through
the day & evening.

C at 10 A.M. 10½ ounces 0.905 inches

SATURDAY, SEPTEMBER 28, 1872.

	7	10	2	4	9
Barom.		30.056		30.049	
Alt. Th.		63.5		67.9	
No. 4	52.7	58.1	62.8	63.0	54.9
Min.		51.2 (57.5)			
Dry		59.6		64.0	
Wet		51.7		53.8	
Solar				125.7 (86.7)	
Max.					62.8 (55.8)
Gauge C		50.7			
Wind		8 E N		4 E N	
Clouds		U Pm		5 RR Rs Pm	

Reel 2A
At 10 P.M. wide annular arch wholly below
Ursa Major: narrow segment of dark sky
beneath.

A at 10 A.M. 161 ounces 1.392 inches
C " " " " $5\frac{3}{4}$ " 0.507 "

SUNDAY, SEPTEMBER 29, 1872.

	7	10	2	3 ¹ / ₂	11
Barom.		30.137		30.040	
Alt. Th.		60.4		65.8	
No. 4	47.8	61.2	62.6	61.9	59.1
Min.		44.0 (60.5)			
Dry		62.7		63.0	
Wet		57.8		57.3	
Solar				125.6 (80.2)	
Max.					63.1 (59.8)
Gauge C		0° S		9° E	
Wind		5 Pm M 7m		8 Pm Pm	
Clouds		Rs Rm		Rz R	

mc R.A. g y < N y 20

MONDAY, SEPTEMBER 30, 1872.

	7	40	2	4	9
Barom.		29.968		29.959	
Alt. H.		65.5		71.4	
No. 4	65.3	68.5	73.9	71.1	62.4
Min.		57.5 (67.2)			
Dry		69.2		71.9	
Wet		64.8		61.2	
Solar				140.2 (74.3)	
Max.					73.7 (62.5)
Gauge C		0			
Wind		4 ^e SW		1 ^e SW	
Clouds		8 Pm N 7m		10 Pm Pm Pm	

$y_w \quad y > A_{10} \quad y < A_{\bar{2}} \quad y_{\bar{2}}$

TUESDAY, OCTOBER 1, 1872.

	7	10	2	4	9
Barom.		29.892		29.816	
Alt. Th.		65.2		66.5	
No. 4	57.5	59.3	63.9	62.7	56.5
Min.		58.7 (58.4)			
Dry		60.1		63.4	
Wet		58.6		58.8	
Polar				95.1 (67.8)	
Max.					63.0 (56.6)
Gauge C		2 $\frac{1}{2}$			
Wind		0 calm		7 ^e N	
Clouds		10 Pm		10 Pm M 7m	

y Rl sag.

Gauge C at 10 A.M. 0.1, onnas 0.022 inches

WEDNESDAY, OCTOBER 2, 1872.

	7	10	3 ¹ / ₂	4	11 ¹ / ₁₂
Barom.		29.792		29.781	
Atm. Th.		159.7		63.5	
No. H	44.2	55.0	58.1	57.2	44.9
Min.		47.0 (54.5)			
Day		56.1		58.2	
Wet		47.5		48.2	
Solar				27.8 (67.7)	
Max.					59.1 (46.0)
Gauge C		4 ² / ₅			
Wind		15° NW		45° NW	
Clouds		5 M fm		9 M fm	

Rel all
 Some, aurora 11³/₄ P.M. low arch, at times
 double: slight appearance of streamers.

Gauge C at 10 A.M. 0¹/₂ ounces 0.044 inches

THURSDAY, OCTOBER 3, 1872.

	7	10	2	4	9
Barom.		29.800		29.672	
Atm. Th.		56.3		59.7	
No. 4	48.0	56.8	54.0	52.5	49.3
Min.		42.0 (56.4)			
Day		58.4		53.1	
Night		49.8		51.0	
Solar				120.3 (52.5)	
Max.					59.7 (49.8)
Gauge C		0			
Wind		6 ^e SW		1 ^e W	
Clouds		5 P. Pm Fm		10 Pm Fm	

Rain $y < A \bar{y}$ Rain in the middle of the day and about 9 P.M. $y > A \bar{y}$. Rain $y \bar{y}$.

FRIDAY, OCTOBER 4, 1872.

	7	10	2	4	9
Barom.		29.951		30.002	
Alt. H.		55.9		62.4	
No. 4	45.3	54.0	58.4	58.5	49.4
Min.		44.8 (53.5)			
Dry		55.4		59.6	
Wet		49.0		49.7	
Solar				127.8 (81.3)	
Max.					59.0 (57.0)
Gauge C		33 $\frac{1}{10}$			
Wind		6 ^e W		8 ^e NW	
Clouds		5 M 7 m		4 M 7 m R	
				R _s	

Rd all $y < 9$.

Gauge C at 10 A.M. 33 $\frac{1}{10}$ inches 0.331 inches

Gauge A at 10 $\frac{1}{2}$ A.M. 44 $\frac{1}{4}$ " 0.383 "

SATURDAY, OCTOBER 3, 1872.

	7	10	2	4	9
Barom.		30.334		30.311	
Alt. Th.		54.7		61.4	
No. 4	39.5	53.5	56.6	56.4	55.5
Min.		39.2 (53.0)			
Dry		55.2		57.3	
Wet		48.6		50.3	
Solar				121.6 (5.3)	
Max.					56.7 (55.7)
Gauge C		0			
Wind		2 nd NE		10 th NE	
Clouds		0 haze		3 Pm Pm M	

At 9¹¹/₁₂ A.M. before wetting
Dry 55.0 Wet 53.5

$r Ruz \quad y < 14. \quad yu \quad n \rightarrow u.$

SUNDAY, OCTOBER 6, 1872.

	1	10	2	4	9
Barom.		30.260		30.206	
Atm. P.		61.4		66.7	
No. 4	59.0	66.7	72.5	70.6	62.8
Min.		53.0 (65.8)			
Dry		67.8		71.2	
Wet		60.0		64.5	
Solar				131.7 (94.0)	
Max.					71.7 (62.5)
Gauge C		0			
Wind		gc S		6e SW	
Clouds		8 Pm 7m		3 Pm 7m	

At 10 A.M. before wetting
 Dry 67.9 Wet 66.3

In Rn by u

MONDAY, OCTOBER 7, 1872.

	7 ¹ / ₂	10	2	4	9
Barom.		30.121		30.049	
Att. Th.		64.0		66.9	
No. 4	60.5	68.4	72.2	70.0	65.9
Min.		57.0 (67.4)			
Dry		69.5		70.7	
Wet		64.0		64.1	
Solar				120.4 (81.0)	
Max.					71.7 (65.1)
Gauge C		0			
Wind		6 ^e S		12 ^e S	
Clouds		10 Pm thin		10 Pm (thin) Fm	

At 10 A.M. before wetting
Dry 69.4 ~~74~~ 68.1

yw Rain at 9 P.M.

TUESDAY, OCTOBER 8, 1872.

	7	10	2	4	9
Barom.		29.901		29.924	
Att. Th.		65.6		64.9	
No. 4	61.5	58.9	58.4	58.5	53.1
Min.		57.3 (57.3)			
Dry		58.3		59.7	
Wet		56.1		52.6	
Polar				89.5 (65.0)	
Max.					65.4 (53.8)
Gauge C		105 $\frac{9}{10}$			
Wind		8° N		16° NW	
Clouds		10 Pm raining		10 Pm	

Rain early in the day.

y Rl y > u y < 18.

Gauge C at 10 A.M. 12 ounces 1.059 inches
 " A at 11 $\frac{1}{2}$ A.M. 140 $\frac{1}{2}$ " 1.215 "

WEDNESDAY, OCTOBER 9, 1872.

	7	10	2	4	9
Barom.		30.099		30.035	
Alt. H.		59.1		64.9	
No. 4	49.5	54.4	58.8	58.6	50.8
Min.		48.0 (53.7)			
Day		55.7		59.8	
Wet		48.1		51.0	
Solar				126.0 (93.3)	
Max.					58.6 (51.4)
Gauge C		13 $\frac{1}{2}$			
Wind		5 th W		1 st W	
Clouds		0 M fm		0	

Gauge C at 10 A.M. $1\frac{1}{2}$ ounces 0.132 inches.

26 Some appearance of an auroral
arch low in the north at 9 P.M.

THURSDAY, OCTOBER 10, 1872.

	7	10	2	4	9
Barom.		29.878		29.740	
Att. Th.		58.6		67.9	
No. 4	48.4	*60.0	69.2	67.0	55.2
Min.		43.4 (59.8)			
Dry		*62.0		67.9	
Wet		56.5		58.8	
Solar				127.2 (92.9)	
Max.					69.0 (55.6)
Gauge C		0			
Wind		5° SW		13° S	
Clouds		0		1 Rm Rs Pm	

*No. 4 Dry bulb carefully read: difference 2 degrees.
no all y g m.

FRIDAY, OCTOBER 11, 1872.

	7	10	2	4	9
Barom.		30.008		30.049	
Alt. Th.		54.5		57.3	
No. 4	41.2	47.4	50.2	48.3	39.3
Min.		40.4 (46.8)			
Dry		48.5		49.4	
Wet		40.5		40.7	
Solar				129.0 (66.0)	
Max.					55.5 (40.3)
Gauge C		$4\frac{4}{10}$			
Wind		12 ^e NW		9 ^e NW	
Clouds		1 Pm Fm		9 Pm Fm M	

Gauge C at 10 A.M. $0\frac{1}{2}$ ounces 0.044 inches

or Ry N Ry

SATURDAY, OCTOBER 12, 1872.

	7	10	2	4	9
Barom.		30.199			
Alt. Th.		56.4			
No. 4	33.0	42.5			
Min.		33.4 (42.2)			
Dry		44.0			
Wet		39.0			
Solar					
Max.					
Range		0			
Wind		4 ² W			
Clouds		0 B R M			

White frost this morning.

A. Searle absent from 40 A.M. Oct. 12
to 9 P.M. Oct. 14.

SUNDAY, OCTOBER 13, 1872.

	7	10	2	4	9
Barom.				29.759	
Alt. Th.				58.8	
No. 4	45.2				49.2
Min.					
Dry				49.5	
Wet				48.2	
Solar				79.2 (50.4)	
Max.					50.1 (43.4)*
Gauge C				(ounce) $8\frac{8}{10}$	
Wind				PM 9	
Cloud					

Gauge A {16 1/2 ounces} (probably at 4 P.M.)
0.225 inches

Rain began about 2 P.M.

* Cannot be 43.4 if No. 4 is right.
Might have been 48.4 perhaps.
The figures seem to be by G. Towndel,
who had been shown since August
how to read & set the maximum.
Most likely, as the day was cloudy at
Newburyport, 50.1 is the correct
maximum for Cambridge, and
the thermometer read 53.4 after
setting, as it might easily rise to
that point while being
handled.

MONDAY, OCTOBER 14, 1872.

	7	10	2	4	9
Barom.		29.542		29.535	
Alt. Hk.		64.2		64.5	
No. 4		48.5	55.8	51.2	45.0
Min.		38 (48.3)			
Dry		50.2		51.8	
Wet		48		49.2	
Solar				61 (120.3)	
Max.					55.7 (45.7)
Gauge C		(9.03) * 79 $\frac{4}{10}$			
Wind		S.		S.W. 2	
Clouds		P.M. 10		No. 1 $\frac{1}{10}$	

Wet bulb wetted during absence of regular observer with inky water
which left the day stained blue
Gauge A at 2.00 P.M. 6th 3.03 0.856 inches

* 79 $\frac{4}{10}$ Oct. 14 10 A.M.
88 $\frac{2}{10}$ Oct. 13 4 P.M.
88 $\frac{2}{10}$ in all

Red Aurora among clouds in form of red
arch, seen by L. J. Truitt at 6 $\frac{1}{2}$ to 9 P.M.
Red line seen in spectrum.

TUESDAY, OCTOBER 13, 1872.

	7	10	2	4	9
Barom.		29.710		29.862	
Alt. Th.		61.0		66.4	
No. 4	38.0	45.9	57.6	50.7	40.0
Min.		37.0 (45.6)			
Dry		47.3		51.8	
Wet		40.8		42.5	
Solar				118.6 (60.0)	
Max.					52.0 (41.9)
Gauge C		0			
Wind		7 ^e SW		6 ^e NW	
Clouds		0		8 Pm Fm	

1 R by 9.

WEDNESDAY, OCTOBER 16, 1872.

	7	10	2	4	9
Barom.		29.883		29.940	
Alt. Th.		60.8		62.7	
No. 4	47.5	55.1	60.2	58.4	48.0
Min.		39.5 (52.4)			
Dry		56.3		59.3	
Wet		50.1		48.0	
Polar				118.6 (61.4)	
Max.					61.5 (49.4)
Gauge C		0			
Wind		10 ^e SW		15 ^e SW	
Clouds		10 Pm		9 Pm M 7m	

A few drops of ^{yw} rain at 5 $\frac{1}{4}$ P.M.

THURSDAY, OCTOBER 17, 1872.

	7	10	2	4	9
Barom.		30.482		30.402	
Att. Th.		59.6		62.3	
No. 4	46.2	46.8	50.4	49.8	46.1
Min.		35.3 (46.2)			
Dry		48.2		50.9	
Wet		43.0		45.6	
Solar				119.0 (59.3)	
Max.					51.7 (47.3)
Gauge C		0			
Wind		0 ^e E		6 ^e E	
Clouds		0 M Fm		9 P ^e Pm Pm Fm	

At 9³/₄ A.M. before wetting
Dry 47.8 Wet 46.4

v Rye 8²/₉

FRIDAY, OCTOBER 18, 1872.

	7	10	2	4	9
Barom.		30.154		30.020	
Alt. Th.		64.5		64.9	
No. 4	47.3	52.9	53.8	56.6	54.1
Min.		45.0 (52.0)			
Dry		53.9		57.5	
Wet		57.2		55.7	
So far				66.0 (59.4)	
Max.					56.0 (54.0)
Gauge C		0		0	
Wind.		0 ² SE		0 calm	
Clouds		10 Pm mist		10 Pm Fm (mist) Fm moving from SW	

ymc c> wyu

A little rain at times. Shower about 8 P.M.

SATURDAY, OCTOBER 19, 1872.

	7	10	2	4	11 $\frac{1}{2}$
Barom.		29.933		29.862	
Att. Th.		64.4		64.9	
No. 4	43.5	48.2	51.9	53.1	42.9
Min.		42.8 (47.7)			
Dry		49.6		54.1	
Wet		44.2		43.1	
Solar				117.7 (80.0)	
Max.					54.0 (43.5)
Gauge C		15 $\frac{4}{10}$			
Wind		7° NW		5° NW	
Clouds		9 Pm N Fm		8 Pm Fm	

Gauge C at 10 A.M. 1 $\frac{3}{4}$ inches 0.154 inches
 A " 16 $\frac{3}{4}$ " 0.145 "

Ryl Rn Rn.

SUNDAY, OCTOBER 20, 1872.

	7	10	2	4	9
Barom.		30.030			
Alt. Ph.		58.1			
No. 4		43.1	47.0		42.1
Min.		34.3 (42.6)			
Dry		44.4			
Wet		36.9			
Solar					
Max.					47.4 (43.4)
Gauge C		0			
Wind		14 ^e NW			
Clouds		1 M Fm			

when $n > N$ $y < 15$ Ryg.

MONDAY, OCTOBER 21, 1872.

	7	10	2	4	9
Barom.		30.190		30.140	
Alt. Th.		60.4		68.0	
No. 4	35.5	48.0	59.7	59.5	51.2
Min.		34.1 (47.8)			
Dry.		49.9		60.8	
Wet		42.4		49.3	
Solar				116.9 (79.0)	
Max.					leg. 8 (42.6) ^X
Gauge C		0			
Wind		1 st SW		1 st SW	
Clouds		0		0 haze	

Szw Perhaps no definite clouds till after sunset. S. G.

~~No. 4~~ No. 4 at 11⁵/₆ 47.9
 * Maximum thermometer read 52.9 at 11⁵/₆.
 This must have been the setting and the
 maximum for the day was no doubt
 about 59.8. Apparently the lower end
 of the column was read at 9 P.M.
 [Note Oct. 22, 1872. Mr. Fournet says he read the lower
 end of the upper portion of the mercury 49.8, the upper
 end of the lower part before setting 40.6]

TUESDAY, OCTOBER 22, 1872.

	7	10	2	4	9
Barom.		30.250		30.248	
Att. Th.		66.0		68.1	
No. 4	46.3	58.5	66.6	63.8	55.0
Min.		45.3 (58.6)			
Dry		60.7		64.5	
Wet		53.7		53.9	
Solar				128.7 (68.7)	
Max.					68.0 (55.5)
Gauge C		6.5		4.5 SW	
Wind		5 R R R		10 R R R	
Clouds		Rm		R R R	

$w \quad v \quad y < \underline{N} \quad y > \underline{U} \quad R \approx \bar{9}.$

WEDNESDAY, OCTOBER 23, 1872.

	7	10	2	4	9
Barom.		30.300		30.301	
Alt. Th.		68.6		70.9	
No. 4	56.0	61.5	68.5	65.0	50.4
Wet		52.4 (60.5)		65.7	
Dry		62.6		60.3	
Wet		58.1		117.0 (66.0)	
Solar					68.0 (57.2)
Max.					
Gauge C		0			
Wind		5 e S		x 6 e W	
Clouds		10 Pm Pm		10 Pm 7m	

* Wind 8 soon afterwards by the anemometer register, which has been started again.

you Rain beginning 4 $\frac{5}{12}$ P.M. Sh-
Entering cloudy with a little rain.

THURSDAY, OCTOBER 24, 1872.

	7	10	2	4	9
Barom.		30.573		30.581	
Att. H.		63.6		73.2	
No. 4	46.2	47.8	49.9	48.2	44.1
Min.		45.3 (47.1)			
Dry		48.9		49.2	
Wet		41.1		41.0	
Solar				116.2 (68.1)	
Max.					51.2 (45.3)
Gauge C					
Wind		16° N		10° NE	
Clouds		9 Pm 7m		8 Pm 7m 7m	

nc

Rvg.

Gauge C at 10 A.M. 1 ounce 0.088 inches
 A " 4 P.M. 9 $\frac{3}{4}$ ounces 0.084 "

Wind by anemometer 4 P.M. 8

FRIDAY, OCTOBER 25, 1872.

	7	10	2	4	9
Barom.		30.461		30.352	
Alt. Th.		60.5		61.3	
No. 4	42.5	50.0	50.2	49.8	46.8
Min.		40.3 (49.2)			
Dry		50.9		50.9	
Wet		45.3		47.1	
W. of as				94.3 (51.5)	
Max.					51.0 (47.4)
Gauge C		6° NE		4° E	
Wind		9 Pm (thin)		10 Pm Fan	
Clouds		Fan			

yc Moderate rain after 6 P.M.

Wind by anemometer 4 P.M. = 3

SATURDAY, OCTOBER 26, 1872.

	7	10	2	4	9
Barom.		29.992		29.810	
Alt. H.		60.2		69.0	
No. H.	46.4	49.9	52.7	51.6	50.5
Min.		46.0 (49.0)			
Dry		51.0		52.7	
Wet		49.5		51.2	
Solar				57.0 (53.5)	
Max.					52.3 (50.7)
Gauge C					
Wind		6 ^c NE		6 ^c NE	
Clouds		10 Pm raining		10 Pm raining	

Gauge C 10 A.M. 3 inches 0.265 inches
 " H 4 P.M. 75 " 0.649 "
 " C — " — 4 1/4 " 0.375 "

yc Moderate rain at times. Evening
 foggy with a little rain.

Wind by anemometer 10 A.M. 9
 " " " 4 P.M. 8

SUNDAY, OCTOBER 27, 1872.

	7	10	2	4	9
Barom.		29.648		29.776	
Alt. Th.		63.4		78.3	
No. 4	50.2	55.0	56.7	50.3	47.3
Min.		48.3 (53.8)			
Dry		56.1		57.3	
Wet		53.5		49.2	
Solar				88.0 (57.5)	
Max.					57.2 (48.3)
Gauge C		* 8 ¹⁰ / ₁₀			
Wind		3 ^e W		10 ^e NE	
Clouds		10 Pm Fm		10 Pm fine rain	

g Re Fine rain afternoon & evening
at times.

* At 4 P.M. Oct. 26 0.375 inches
 " 10 A.M. " 27 0.083 "
 Totals 0.458 "

MONDAY, OCTOBER 28, 1872.

	7	10	2	4	9
Barom.		30.280		30.353	
Alt. Th.		64.9		69.6	
No. 4		38.2	41.9	42.1	36.8
Min.		34.9 (37.4)			
Dry		39.4		43.3	
Wet		34.5		36.8	
Solar				112.9 (58.4)	
Max.					48.2 (38.0)
Gauge C					
Wind		12° NE		7° NE	
Clouds		10 Pm 7m		0 Pm	

Rdr. $\gamma > A10$. dr. N 82. Auroral arch,
 mostly below Choa Major, seen 8 to 9 1/2 P.M.
 At 10 A.M. gauge A 28 2/3 mmms 0.249 inches
 " C 2 " 0.177 "

TUESDAY, OCTOBER 29, 1872.

	7	10	21	4	9
Barom.		30.589		30.602	
Alt. H.		61.8		69.2	
No. 4	30.0	41.4	44.8	43.3	34.8
Min.		30.0 (40.9)			
Dry		42.8		44.2	
Wet		36.1		36.6	
Solar				109.0 (55.0)	
Max.					44.9 (36.4)
Gauge C		0			
Wind		11 ^e N		6 ^e NE	
Clouds		0		0	

At 9^h A.M. before wetting
 Dry 42.9 Wet 41.2

White frost in the morning
 & Rd Perhaps cloudless. Low auroral
 arches & streamers at 8¹/₄ P.M. ~~at 9 P.M.~~
 at 9 P.M. some light like a rather
 diffused arch.

WEDNESDAY, OCTOBER 30, 1872.

	7	10	2	4	9
Barom.		30.580		30.474	
Alt. Th.		60.4		65.3	
No. 4	29.2	42.5	46.7	44.0	40.9
Min.		28.8 (42.1)			
Dry		44.1		45.0	
Wet		39.0		38.2	
Solar				110.8 (58.9)	
Max.					47.0 (42.0)
Gauge C		0			
Wind		7 ^e N		13 ^e NE	
Clouds		0 Pm		1 Pm Fair	

r Rc Ry^a

Wind by anemometer 4 P.M. 12

THURSDAY, OCTOBER 31, 1872.

	7	10	2	4	9
Barom.		30.118		29.942	
Alt. Th.		67.4		58.0	
No. 4	36.8	42.9	46.3	47.4	42.7
Min.		34.4 (42.2)			
Day		44.0		48.6	
Wet		39.9		40.4	
Solar				61.0 (48.0)	
Max.					47.4 (43.0)
Gauge C		0			
Wind		13 ^e NE		13 ^e NE	
Clouds		10 Pm		10 Pm	

yc Rain beginning at 4¹/₄ P.M. & continuing through the evening

Wind by aneroid at 10 A.M. 13
 " " " " 4 P.M. 10

FRIDAY, NOVEMBER 1, 1872.

	7	10	2	4	9 11 ¹¹ / ₁₂
Barom.		29.705		29.699	
Alt. H.		6410		68.2	
No. 4	42.2	46.0	48.3	47.6	44.3
Min.		41.0 (45.2)			
Dry		46.5		48.7	
Wet		42.8		42.5	
Solar				83.5 (51.9)	
Max.					48.1 (45.5)
Gauge C					
Wind		9 ^e NW		11 ^e NW	
Clouds		10 Pm 7m		9 Pm 7m	

At 10 A.M. Gauge A 57 mmus 0.493 inches
C 6 " 0.530 "
yl R_A 7. Auroral light among
clouds in the north seen 10³/₄ P.M. to
midnight.

Wind by anemometer at 10 A.M. 10
" " " " 4 P.M. 9

SATURDAY, NOVEMBER 2, 1872.

	7	10	2	4	9
Barom.		29.870		29.913	
Alt. Th.		61.3		66.6	
No. 4	40.5	48.8	52.6	50.2	41.7
Min.		40.3 (48.1)			
Dry		49.9		51.2	
Wet		43.0		43.6	
Solar				118.3 (52.2)	
Max.					52.4 (42.5)
Gauge C		0			
Wind		8~NW		5 ^e NW	
Clouds		6 ^{PM} 7 ^{PM}		7 ^{PM} 11 ^{PM} 7 ^{PM}	

gRl y > A4. 28.

Wind by anemometer at 4 P.M. 9

SUNDAY, NOVEMBER 3, 1872.

	7	10	2	4	9
Barom.		29.908		29.908	
Alt. Th.		63.4		66.3	
D					
No. 4	39.0	37.6	38.6	38.6	37.4
Min.		34.7 (37.0)			
Dry		38.4		39.6	
Wet		37.0		37.2	
Solar				55.9 (41.0)	
Max.					42.5 (38.5)
Gauge C		4 $\frac{8}{10}$			
Wind		5° NE		7° N	
Clouds		10 Pm raining		10 Pm raining	

yc Moderate rain at times,

Wind by anemometer at 10 Pm. 7
 " " " 4 Pm 7

MONDAY, NOVEMBER 4, 1872.

	1	10	2	4	9
Barom.		30.199		30.292	
Att. Th.		60.9		66.6	
No. 14.		38.8	41.1	38.8	32.6
Min.		34.5 (38.3)			
Dry		40.0		40.0	
Wet		35.0		34.8	
Solar				103.4 (45.0)	
Max.					41.5 (34.5)
Gauge C		8½			
Wind		10 ^e NE		5 ^e NE	
Clouds		9 P. M.		2 P. R.	
		M. Fm			

yc y > Rrd U

TUESDAY, NOVEMBER 3, 1872.

	7	10	2	4	9
Barom.		30.411		30.368	
Alt. Th.		58.0		69.8	
No. 4	27.2	35.6	45.5	45.3	40.8
Min.		26.2 (35.6)			
Dry		37.5		47.0	
Wet.		33.8		39.0	
Solar				117.1 (48.6)	
Max.					45.7 (41.2)
Gauge C		0			
Wind		0 ^e W		0 ^e W	
Clouds		0 R		6 R Rm	

Heavy white frost this morning.



Gauge A at 12 $\frac{1}{2}$ P.M. 14 $\frac{1}{2}$ ounces 0.125 inches

yeu

Wind by Anemometer 10 A.M. 1

4 P.M. 0

WEDNESDAY, NOVEMBER 6, 1872.

	7	10	2	4	10 ⁵ / ₆
Barom.		30.344		30.241	
Alt. Ther.		66.9		72.3	
No. 4	37.5	47.2	52.2	51.0	49.7
Min.		35.6 (46.4)		52.1	
Day		48.4		47.5	
Nat		44.2		66.0 (52.3)	
Solar					57.9 (49.3)
Max.					
Gauge C		0			
Wind		2 ^c S		5 ^c S	
Clouds		10 Pm		10 Pm 7m	

Rain in the evening.

Wind by anemometer 4 P.M. 11

THURSDAY, NOVEMBER 7, 1872.

	7	10	2	4	9
Barom.		$\times 29.592$		29.324	
Atm. Pr.		$\times 65.5$		64.6	
No. 4	50.0	$\times 46.8$	43.9	43.1	42.6
Min.		$\times 46.2 (46.3)$			
Dry		$\times 47.9$		45.0	
Wet		$\times 46.4$		42.1	
Solar				83.3 (47.0)	
Max.					51.0 (42.8)
Gauge C		127			
Wind		12 ^e N		11 ^e W	
Clouds		10 Pm raining		9 Pm fm	

$\times 10 \frac{1}{4}$ A.M.

Gauge A at 10 A.M. $150 \frac{1}{4}$ ounces 1.300 inches
 " C " " $14 \frac{1}{4}$ " 1.258 "
 " " $12 \frac{1}{2}$ P.M. " 0.690 "
 " " " $70 \frac{3}{4}$ " 0.612 "

Rain stopped about 3 P.M.

$y > 14$ $y < 21$

Wind by anemometer at 10 A.M. 13

FRIDAY, NOVEMBER 8, 1872.

	7	10	2	4	9
Barom.		29.440		29.518	
Att. Th.		58.0		65.5	
No. 4	37.8	46.0	47.2	47.5	42.3
Min.		37.8 (45.4)			
Dry		47.2		48.8	
Wet		39.8		40.9	
Solar				110.8 (60.7)	
Max.					49.0 (43.0)
Gauge		$\times 9 \frac{1}{2}$			
Wind		17 ^e SW		10 ^e W	
Clouds		1 Pm Fm		3 M Fm	

Rn

* At 12 $\frac{1}{2}$ P.M., Nov. 7 0.690
 " 10 A.M. " 8 0.095
 Total 0.785

SATURDAY, NOVEMBER 9, 1872.

	7	10	2	4	9
Barom.		29.850		29.890	
Att. Th.		62.3		68.5	
No. 4	38.0	44.2	48.4	47.6	39.5
Min.		37.2 (43.8)			
Dry		45.4		48.6	
Wet		37.5		40.0	
Solar				112.0 (65.8)	
Max.					48.5 (40.0)
Gauge C		0			
Wind		13 ^e W		6 ^e W	
Clouds		0 M Fm		0 B M Fm	

At 9¹¹/₁₂ A.M. before wetting
Dry 45.4 Wet 44.0

At 10¹/₂ A.M. Gauge A 8 ounces 0.069 inches

at Aurora suspected
Moon bright.

Wind by anemometer at 10 A.M. 14
" " " " 4 P.M. 6

SUNDAY, NOVEMBER 10, 1872.

	7	10	2	4	9
Barom.		30.160		30.168	
Alt. Th.		66.5		71.9	
No. 14	30.5	39.6		46.9	37.1
Min.		32.0 (39.1)		42	
Dry		40.9		47.9	
Wet		34.5		39.0	
Solar				111.3 (56.1)	
Max.					47.5 (38.2)
Gauge		0			
Wind		10 th NW		5 th N	
Clouds		0 Pt		0 1 Pt	

rd Light apparently unusual
noticed in the north 8 to 9 PM.
Moon bright,

MONDAY, NOVEMBER 11, 1872.

	7	10	2	4	9
Barom.		30.286		30.232	
Alt. H.		60.8		66.3	
No. 4	32.5	39.4	47.8	46.7	44.0
Min.		29.5 (38.9)			
Dry		40.8		47.8	
Wet		37.2		43.0	
Solar				102.0 (53.3)	
Max.					47.8 (44.4)
Gauss C		0			
Wind		12 NW		5 ² E	
Clouds		10 P. Pm Fm		9 P R R R	

At 9² A.M. before wetting
Dry 38.5 Wet 37.1

Ryc $y < u$

TUESDAY, NOVEMBER 12, 1872.

	7	10	2	4	9
Barom.		30.116		29.894	29.636
Atm. Th.		64.1		66.0	68.0
No. 4	46.5	50.2	57.7	56.9	57.1
Min.		39.0 (49.4)			
Dry		51.3		58.0	
Wet		48.4		54.0	
Solar				85.3 (58.3)	
Max.					58.5 (56.0)
Gauge		9 ⁸ / ₁₀			
Wind		4 ² / ₁₀ SE		8 ² / ₁₀ S E	
Clouds		10 Pm 7m		10 Pm 7m	

Rain heavy about 9 P.M.

Wind by anemometer 4 P.M. - 15

WEDNESDAY, NOVEMBER 13, 1872.

	7	10	2	4	9
Barom.		30.126		30.149	
Alt. Th.		58.6		67.4	
No. 14	38.2	43.5	48.2	46.0	38.9
Min.		36.6 (43.0)			
Dry		44.8		47.0	
Wet		37.5		39.5	
Polar				114.0 (15.2)	
Max.					57.0 (39.3)
Gauge C		39 $\frac{4}{10}$			
Wind		Te NW		3° N	
Clouds		19 RR Rm		10 R	

y > 45

Gauge A at 4 $\frac{1}{2}$ P.M. 61 $\frac{1}{2}$ ounces 0.532 inches

Wind by anemometer at 4 P.M. 3

THURSDAY, NOVEMBER 14, 1872.

	7	10	2	4	9
Barom.		30.010		29.807	
Alt. Th.		60.9		62.4	
No. 4		38.9	45.9	45.3	45.6
Min.		33.7 (38.2)			
Dry		40.1		46.3	
Wet		37.7		44.0	
Solar				59.1 (44.8)	
Max.					46.0 (45.4)
Gauge C		0			
Wind		2 ^e N		5 ^e E	
Clouds		10 Pm Fm		10 Pm Fm raining	

Previous night mostly cloudy. Mr. Frouvelot
watched for meteors & saw three.
Evening misty

Wind by anemometer at 4 P.M. 6

FRIDAY, NOVEMBER 15, 1872.

	7	10	2	4	9
Barom.		29.700		29.853	
Alt. Th.		56.8		62.5	
Bo. H	37.2	38.4	39.0	37.5	30.6
Min.		37.0 (38.0)			
Dry		39.8		38.7	
Wet		33.1		30.6	
Solar				104.0 (54.7)	
Max.					45.7 (32.0)
Gauge		14			
Wind		11 ^e W		9 ^e W	
Clouds		1 Pm M 7am		0 Pm	

Previous night cloudy till after 4 A.M.
Clear about 5 A.M. Prof. Thibault saw 1 meteor,
and Mr. Rogers saw 2, between that time &
sunrise.

K.R.D.U.

Wind by anemometer at 4 P.M. 9

SATURDAY, NOVEMBER 16, 1872.

	7	10	2	4	$10^{\frac{11}{12}}$
Barom.		30.124		30.080	
Att. P.		63.0		74.0	
No. 4	27.3	33.5	39.6	38.6	29.5
Min.		26.6 (33.8)			
Dry		6.0		39.7	
Wet		30.5		32.2	
Solar				105.0 (52.0)	
Max.					39.7 (30.8)
Gauge C		0			
Wind		4 ^e SW		5 ^e SW	
Clouds		0		1 Pm	

Gauge A at 12¹/₂ P.M. 14¹/₂ ounces 0.125 inches

Redu

Wind by anemometer at 4 P.M. 3

SUNDAY, NOVEMBER 17, 1872.

	7 ^{1/2}	10	2	4	9
Barom.		30.320		30.430	
Alt. Th.		64.6		69.2	
No. 4	28.5	32.2	37.1	36.7	29.0
Min.		26.7 (31.8)			
Dry		33.5		37.8	
Wet		28.0		29.8	
Solar				100.7 (52.8)	
Max.					37.2 (30.1)
Gauge		0			
Wind		7 ² W		5 ² NW	
Clouds		0		0 Fm	

Rd
dy 9.

MONDAY, NOVEMBER 18, 1872.

	7	10	2	4	9
Barom.		30.438		30.267	
Alt. Th.		57.6		65.6	
No. 4	26.2	34.7	39.7	38.6	35.0
Min.		24.0 (34.0)			
Dry		35.8		40.4	
Wet		30.8		34.1	
Solar				104.0 (40.0)	
Max.					40.0 (35.4)
Gauge C		0			
Wind		6° SW		4° S	
Clouds		10 Pm Pm		10 Pm 7m P	

yeu

Wind by anemometer at 4 P.M. 5

TUESDAY, NOVEMBER 19, 1872.

	7	10	2	4	9
Barom.		30.064		29.997	
Att. Ph.		56.2		64.4	
No. 4	28.4	33.4	38.9	37.5	33.1
Min.		25.6 (33.4)			
Dry		35.2		38.4	
Wet		29.6		30.6	
Dew pt				103.1 (46.5)	
Max.					39.0 (35.0)
Gauge C		0			
Wind		8 ^e SW		6 ^e SW	
Clouds		0		0 Pm	

At 9³⁰ A.M. before wetting
 Dry 34.1 Wet 32.6

$y < \underline{u} \quad y\bar{g}$

Wind by anemometer at 10¹⁵ A.M. 5
 " " " " 4 P.M. 5

WEDNESDAY, NOVEMBER 20, 1872.

	1	10	2	4	9
Barom.		29.849		29.880	
Alt. Th.		56.3		69.3	
No. 4	36.5	38.2	38.4	35.9	29.9
Min.		31.2 (37.8)			
Dry		39.6		37.0	
Wet		33.9		30.0	
Solar				95.0 (36.0)	
Max.					40.5 (31.4)
Gauge		0			
Wind		7 th W		7 th W	
Clouds		10 Pm		6 Pm 7m	

At 9th A.M. before writing
Dry 39.0 Wet 37.5

rRdU

Wind by anemometer at 4 P.M. 9

THURSDAY, NOVEMBER 21, 1872.

	7	10	2	4	9
Barom.		30.299		30.232	
Alt. H.		62.3		62.9	
No. 4	20.0	26.7	35.2	34.0	29.4
Min.		19.4 (26.5)			
Dry		28.2		35.0	
Wet		25.2		27.7	
Solar				102.0 (53.3)	
Max.					35.4 (30.9)
Gauge C		0			
Wind		3 ^e W		9 ^e SW	
Clouds		0		1 R R	

rd u by 7 y >

Wind by anemometer at 10 A.M. 6
in in 4 P.M. 13

FRIDAY, NOVEMBER 22, 1872.

	7	10	2	4	9
Barom.		30.099		29.974	
Alt. Th.		59.0		65.9	
No. 4	28.2	35.6	42.1	39.2	39.8
Min.		26.3 (35.6)			
Dry		37.4		40.2	
Wet		32.0		37.9	
Polar				99.5 (38.5)	
Max.					43.2 (39.5)
Gauge					
Wind		9c SW		2c SE	
Clouds		1 P haze		10 Pm 7m raining	

st y < ATO. ywall
Rain after noon: heavier evening

Wind by anemometer at 4 $\frac{1}{4}$ P.M. 3

SATURDAY, NOVEMBER 23, 1872.

	7	10	2	4	9
Barom.		30.014		30.084	
Alt. Th.		54.6		58.9	
No. 4		33.8	40.6	38.7	32.5
Min.		29.5 (33.5)			
Dr		35.2		39.9	
Wt		32.3		34.2	
Solar				95.5 (42.3)	
Max.					40.4 (33.7)
Gauge C		42			
Wind		1 st W		9 th NW	
Clouds		4 haze R		4 R R Fm	
				haze	

Gauge A at 12½ P.M. 45 ounces 0.389 inches

21 R R 2 < A6. Some snow on the ground this morning.

Wind by anemometer at 10 A.M. 1

SUNDAY, NOVEMBER 24, 1872.

	1	10	2	4	9
Barom.		30.242		30.228	
Att. Th.		55.5		65.0	
North	32.4	*37.8	44.4	43.6	39.0
Min.		29.2 (37.9)		44.8	
Dry		*39.8		38.0	
Wet		34.8		103.9 (45.2)	
Solar					44.8 (39.4)
Max.					
Gauges		0		2 ^e W	
Wind		9 ^e SW		6 Pm Pm	
Clouds		5 R R s haze		Pm Pm haze	

At 9 $\frac{1}{4}$ A.M. before wetting
Dry 37.0 Wet 35.5

* Read carefully

Raw y < y_u Pm.

MONDAY, NOVEMBER 25, 1872.

	7	10	2	4	9
Barom.		29.935		29.831	
Att. Th.		61.6		69.8	
No. 4	39.5	48.6	54.2	51.4	45.1
Min.		34.8 (48.1)			
Dry		50.2		52.6	
Wet		46.7		44.6	
Solar				115.4 (54.8)	
Max.					55.0 (45.2)
Gauge &		0			
Wind		7 ^e S		9 ^e SW	
Clouds		8 Pm R		10 Pm R	
		R		haze	

Probably a few drops of rain previous night.

yw 8^h 6 R^y 9

Wind by anemometer at 4 Pm. 9

TUESDAY, NOVEMBER 26, 1872.

	7	10	2	4	9
Barom.		30.149		30.078	
Alt. Fin.		60.0		66.6	
No. 14	36.5	39.4	39.9	38.7	31.7
Min.		36.4 (38.8)			
Dry.		40.3		40.8	
Wet		33.0		32.9	
Polar				54.8 (37.7)	
Max.					45.2 (33.4)
Gauge		0			
Wind		2 ^e NW		4 ^e NW	
Clouds		10 Pm Pz		10 Pz	

yc Snow beginning about 5 P.M.

Wind by anemometer at 10 A.M. 2

WEDNESDAY, NOVEMBER 27, 1872.

	7	10	2	4	9
Barom.		30.180		30.119	
Alt. Th.		60.9		66.1	
No. 4	37.2	32.2	37.0	36.7	31.3
Min.		26.1 (32.2)			
Dry		33.9		38.0	
Wet		30.8		32.8	
Solar				103.5 (50.8)	
Max.					37.4 (33.9)
Gauge		7 ⁸ / ₁₀			
Wind		3 ^e W		6 ^e SW	
Clouds		0		1 R 7m	

At 3 P.M. Gauge A 7 ¹/₂ ounces 0.065 inches
 at Meteors radiating from about
 γ Andromedae numerous in the evening.
 Some aurora among clouds
 towards midnight

Wind by anemometer at 4 P.M. 6

THURSDAY, NOVEMBER 28, 1872.

	7	10	1 1/2	5 1/2	10 1/4
Barom.		30.319		30.217	
Alt. Th.		57.1		62.8	
No. 4	24.8	27.9	31.3	29.4	28.2
Min.		23.1 (27.6)			
Dry		29.1		30.4	
Wet		23.6		25.2	
Solar				101.6 (29.0)	
Max.					33.0 (29.2)
Gauge C		0			
Wind		7° NW		4° SE	
Clouds		1 R R		9 R Rm	

24 y < A4. Sg Ry 10.

FRIDAY, NOVEMBER 29, 1872.

	7	10	2	4	9
Barom.		29.688		29.530	
Att. Ther.		148.4		55.5	
No. 4	37.5	40.7	33.3	30.8	22.5
Min.		24.9 (40.0)		31.8	
Dry		41.8		30.1	
Wet		38.5		47.3 (31.6)	
Solar				41.7 (24.3)	
Max.					
Gauge C		0 $\frac{2}{10}$			
Wind		9 ^e SE		5 ^e NW	
Clouds		10 Pm		10 Pm Pz	

g u in AS.

SATURDAY, NOVEMBER 30, 1872.

	7	10	2	4	9
Barom.		29.609		29.640	
Alt. Th.		42.5		53.3	
No. 4	12.2	17.8	21.2	20.0	18.5
Min.		12.4 (17.8)			
Day		19.3		21.3	
Nat		16.3		17.0	
Solar				90.6 (30.8)	
Max.					24.5 (22.0)
Gauge C		32 $\frac{7}{10}$			
Wind		10 ^e SW		13 ^e SW	
Clouds		0		0 R M	

At 10 A.M. Gauge A 35 $\frac{3}{4}$ mmus 0.309 inches

rd u

SUNDAY, DECEMBER 1, 1872.

	8	10	2	4	9
Barom.	29.940	29.940		30.023	
Ht. Sh.		44.9		54.4	
No. 14	25.0	26.6	29.3	28.8	27.7
Min.		17.7 (26.3)			
Dry		27.9		29.9	
Wet		23.0		24.4	
Solar				94.6 (28.9)	
Max.					30.1 (28.4)
Gauge		0			
Wind		5 ^e SW		9 ^e SW	
Clouds		1 RR		10 RR	

At 9¹/₂ A.M. before wetting
 Dry 27.0 Wet 25.5

at 4¹/₂ P.M.
 Snow beginning about 8¹/₂ P.M.

MONDAY, DECEMBER 2, 1872.

	7	10	2	4	9
Barom.		29.831		29.787	
Att. Th.		63.5		66.4	
No. 4	35.2	38.6	41.5	39.5	39.7
Min.		26.2 (38.3)			
Dry		40.0		40.7	
Wet		35.2		36.2	
Solar				102.3 (42.3)	
Max.					40.6 (39.7)
Gauge		19 ⁸ / ₁₀		7 c S	
Wind		1 ⁸ / ₁₀ SW		3 Pm Fm	
Clouds		1 Pm Fm			

At 9 ³/₄ A.M. before wetting
Dry 39.8 Wet 38.2

y^u

TUESDAY, DECEMBER 3, 1872.

Barom.	7	10	21	53	11 $\frac{1}{4}$
Alt. Th.		29.792 62.5		29.922 65.6	
No. 4	35.4	37.7	39.3	37.4	33.3
Min.		34.4 (37.3)			
Dry		39.1		38.6	
Wet		33.0		32.6	
Polar				104.0 (35.8)	
Max.					41.3 (34.5)
Gauge C		7			
Wind		15 ^e SW		8 ^e SW	
Clouds		4 Pm Fm M Pm Rm		8 Pm	

At 9 $\frac{7}{12}$ A.M. before wetting
Dry 38.5 Wet 37.0

Gauge A at 10 $\frac{1}{2}$ A.M. 16 ounces 0.138 inches.

Ryl Rru

Wind by anemometer at 10 A.M.

22

WEDNESDAY, DECEMBER 4, 1872.

	1	10	2	4	9
Barom.		30.073		30.154	
Alt. Th.		56.1		61.2	
No. 4	33.0	35.0	35.1	33.8	29.0
Min.		32.3 (34.7)			
Dry		36.2		34.8	
Wet		29.8		28.0	
Defar				102.6 (41.6)	
Max.					36.2 (30.8)
Gauge C		0			
Wind		13 ^e W		10 ^e NW	
Clouds		1 M Fm		1 R M Fm	

Rrl Ry U

250.2617

THURSDAY, DECEMBER 5, 1872.

	7	10	2	4	9
Barom.		30.252		30.150	
Alt. Th.		53.1		56.4	
No. 4	23.8	30.0	30.6	30.4	30.5
Min.		23.4 (30.1)			
Dry		31.9		31.0	
Wet		27.5		30.2	
Bo ar				82.1 (31.0)	
Max.					33.7 (33.0)
Gauge C		0			
Wind		4 ^e SW		4 ^e S	
Clouds		9 R Rs		10 R snowing	

At 9^h in A.M. before working
Dry 28.0 Wet 26.7

yl Snow after 1 P.M. Evening
cloudy with a little snow.

FRIDAY, DECEMBER 6, 1872.

	7	10	2	4	9
Barom.		30.138		30.156	
Alt. Th.		56.1		61.1	
No 4	27.2	34.0	38.9	37.6	30.6
Min.		26.1 (33.5)			
Dry		35.3		38.5	
Wet		31.2		32.8	
Solar				97.4 (44.8)	
Max.					39.0 (31.5)
Gauge C		4 1/2			
Wind		10° SW		10° W	
Clouds		9 Pm Fm		2 Pm M Fm	

Ryl $y > A_{10}$. ru

SATURDAY, DECEMBER 7, 1872.

	7	10	2	4	9
Barom.		30.310		30.245	
Att. Th.		54.0		58.2	
No. 4		28.1	30.8	30.1	24.7
Min.		24.5 (27.4)			
Dry		29.0		31.0	
Wet		26.9		25.0	
Polar				98.9 (36.1)	
Max.					21.5 (25.9)
Gauge C		0			
Wind		6 ^e NW		3 ^e W	
Clouds		10 Pz		0 Pz R	

12. Large halo round the moon
early in the evening:
none at 9 P.M.
Aurora suspected

SUNDAY, DECEMBER 8, 1872.

	7	10	2	4	9
Barom.		29.930		29.706	
Alt. Th.		52.6		60.7	
No. 4	31.3	34.6	40.2	40.2	40.0
Min.		22.9 (34.2)			
Day		36.0		41.0	
Wet		32.1		38.3	
Solar				67.0 (39.4)	
Max.					40.0 (40.0)
Gauge C		0			
Wind		5 ^e SE		3 ^e SE	
Clouds		10 Pm		10 Pm raining	

Re yll
Moderate rain at times
after 4 P.M.

MONDAY, DECEMBER 9, 1872.

	7	10	2	4	9
Barom.		29.520		29.414	
Alt. H.		60.4		57.6	
No. 4	30.2	33.2	34.4	33.5	23.3
Min.		29.5 (32.5)			
Dry		34.4		34.7	
Wet		32.5		32.3	
Solar				44.6 (34.6)	
Max.					40.8 (25.0)
Gauge C		6 $\frac{1}{2}$			
Wind		1 ^c SW		9 ^e NW	
Clouds		10 Pm		10 Pm Pm	

yl Snow after noon. yu y>g de

TUESDAY, DECEMBER 10, 1872.

	7	10	2	4	9
Barom.		29.702		29.873	
Atm. Pr.		53.0		57.6	
No. 4	10.5	14.7	19.5	17.4	15.3
Win.		8.9 (14.3)			
Dry		16.0		18.6	
Wet		13.1		9.7	
Solar				82.1 (2/4.0)	
Max.					25.0 (17.3)
Gauge C		4			
Wind		30° W		20° W	
Clouds		10 R		6 R Rm Rs	

Wind by anemometer at 4 P.M. 18
 rdn Ry 5 29

* Possibly a mistake for 14.7 or an accidental misreading, as it would indicate an argument beyond the limits of Gayot's Tables. If it was actually 9.7, the observation shows the uncertainty of the psychrometers below the freezing point. No entry for relative humidity. The instrument has no good protection against the wind, which was strong Dec. 10.

WEDNESDAY, DECEMBER 11, 1872.

	7	10	2	4	9
Barom.		30.286		30.250	
Alt. Th.		58.0		59.4	
No. 4	15.3	20.0	23.9	23.6	16.9
Min.		14.0 (19.6)			
Dry		21.3		24.7	
Wet		17.1		19.6	
Solar				84.0 (29.1)	
Max.					24.5 (8.6)
Gauge C		0			
Wind		10 ^e NW		4 ^e W	
Clouds		4 RR		6 RR	

rdll

THURSDAY, DECEMBER 12, 1872.

	7	10	2	4	9
Barom.		30.259		30.090	
Alt. H.		46.4		44.9	
No. 4	6.2	12.2	13.7	14.7	14.1
Min.		6.0 (11.7)			
Dry		13.0		16.0	
Wet		10.6		15.0	
Solar				29.0 (16.4)	
Max.					18.6 (15.6)
Gauge		0			
Wind		9 ^e N		12 ^e N	
Clouds		10 P		10 P onning	

yd Snow. after 11 A. M.

FRIDAY, DECEMBER 13, 1872.

	7	10	2	4	9
Barom.		29.950		29.953	
Ht. Th.		51.8		58.8	
No. H	14.3	20.0	28.0	27.8	22.3
Min		6.2 (19.5)			
Dry		21.4		28.9	
Wet		18.1		24.4	
Solar				101.2 (32.9)	
Max.					28.2 (23.7)
Gauge C		x 7			
Wind		17° NW		6° SW	
Clouds		0		1 Pz Rs	

Ht 9 $\frac{1}{2}$ A.M. before wetting
Dry 19.9 Wet 18.3

all by 9.

10 A.M. Snow about 1 $\frac{1}{4}$ inches deep.
9 inches in cylinder 1 $\frac{7}{8}$ inches diameter
weigh 1 $\frac{3}{4}$ ounces. Hence rainfall 0.152 inches
x Gauge C cannot have caught all the snow
on so windy a day. Estimate from measurements
above to be preferred to result from Gauge C.

SATURDAY, DECEMBER 14, 1872.

	1	10	2	4	9
Barom.		30.064		30.150	
Att. Th.		45.8		62.0	
No. 4	24.5	31.4	35.7	33.6	28.4
Min.		19.6 (30.9)			
Dry		32.6		34.7	
Wet		27.9		32.0	
Solar				97.4 (33.0)	
Max.					36.1 (30.0)
Gauge C		0			
Wind		10 ² SW		8 ⁰ W	
Clouds		10 P ₂₀		3 ⁰ P ₂ R ₅	

Rel. Syll
 Small lunar halo with prismatic colors
 at 5^h 40^m P.M. ; again somewhat less distinct
 at 6^h 30^m P.M. At 8^h 30^m P.M. large faint lunar
 halo.

Small colored lunar halo said to
 have been seen yesterday also.

SUNDAY, DECEMBER 13, 1872.

	7	10	2	4	9
Barom.		29.878		29.881	
Atm. Ph.		65.0		68.2	
No. 4	33.2	38.5	42.4	36.6	26.0
Min.		22.9 (38.0)			
Dry		39.8		37.8	
Wet		35.9		30.8	
Solar				98.5 (40.8)	
Max.					42.4 (27.5)
Gauge C		0			
Wind		11 ² S W		4-7 ² W	
Clouds		10 Pm R		0 Pm	

Ryl $y > 410$. n Rd U

MONDAY, DECEMBER 16, 1872.

	7	10	2	4	9
Barom.		30.250		30.170	
Alt. Th.		56.9		63.6	
No. 4	14.0	19.4	29.8	28.9	27.3
Min.		14.0 (19.0)			
Dry		21.1		29.8	
Wet		18.8		25.4	
Solar				17.5 (29.7)	
Max.					29.1 (27.4)
Gauge C		0			
Wind		4 ^e SW		0 ^e SW	
Clouds		4 P		10 P	

At 9 $\frac{1}{2}$ A.M. before wetting
Dry 18.8 Wet 17.6

30th
Snow after 4 P.M.

TUESDAY, DECEMBER 17, 1872.

	7	10	2	4	9
Barom.		30.150		30.260	
Atm. Th.		58.8		69.5	
No. 4	24.5	27.1	32.1	31.0	23.1
Min.		19.2 (26.7)			
Dry		28.7		32.0	
Wet		25.7		26.9	
Solar				104.7 (43.0)	
Max.					32.0 (24.0)
Game C		23			
Wind		5 ^e W		5 ^e NW	
Clouds		0		11 R Rs	

RdU

WEDNESDAY, DECEMBER 18, 1872.

	1	10	2	4	9
Barom.		30.288		29.974	
Alt. H.		60.9		61.7	
No. 14	16.3	19.7	21.6	22.6	23.8
Min.		14.2 (99.0)			
Dry		20.9		23.8	
Wet		18.7		22.4	
Solar				43.0 (24.6)	
Max.					24.6 (23.9)
Range C.		0			
Wind		4 ^e N		7 ^e N	
Clouds		10 R		10 R	
				snowing	

gale

THURSDAY, DECEMBER 19, 1872.

	7	10	2	4	9
Barom.		30.442		30.500	
Alt. H.		59.8		67.9	
No. 4	24.8	24.8	29.4	28.4	21.9
Min.		18.8 (24.7)			
Dry		26.5		29.2	
Wet		21.8		24.7	
Solar				112.7 (29.1)	
Max.					29.2 (22.9)
Gauge C		x 25			
Wind		7 ^e W		6 ^e W	
Clouds		0 R R		9 R	

* At 10 A.M. ^{new} snow averages about $2\frac{3}{4}$ inches deep.
 15 inches in ^A cylinder $1\frac{7}{8}$ inches diameter
 weigh $3\frac{5}{8}$ ounces. Result: rainfall 0.417 inches.
 This measurement preferable to that of gauge C

g_{ll}

FRIDAY, DECEMBER 20, 1872.

	7	10	2	4	9
Barom.		29.865		29.749	
Alt. H.		162.6		71.9	
No. 4	31.2	35.1	36.1	34.4	33.4
Min.		20.7 (34.8)		35.7	
Dry		36.6		34.0	
Wet		35.0			
Solar				39.2 (34.2)	
Max.					36.5 (33.3)
Gauge C		x 48			
Wind		8 ² NE		4 ² N	
Clouds		10 Pm raining		10 Pm	

Snow previous night & early morning; afterwards rain. Rain stopped about 2 P.M.; a little snow beginning 4 $\frac{1}{2}$ P.M. & at times later. gt
 * Gauge C 10.76 at 4 $\frac{1}{2}$ P.M.

* At 4 $\frac{1}{2}$ P.M. new snow about 3 $\frac{1}{2}$ inches deep but not ~~data~~ well distinguishable from previous snow. 12 inches of this new snow in cylinder 1 $\frac{1}{2}$ inches diameter weigh 7 ounces. This would give a rainfall of 1.281 inches. Deducting out 0.8 for the rain since 10 A.M. we have 1.473 inches which is probably not too large.

SATURDAY, DECEMBER 21, 1872.

	7	10	2	4	9
Barom.		30.174		30.166	
Ht. Th.		71.2		68.9	
No. 4	16.3	27.8	28.9	27.7	19.4
Min.		26.6 (27.2)			
Dry		28.9		28.8	
Wet		24.0		24.1	
Solar				96.7 (41.7)	
Max.					34.2 (20.5)
Gauge C		x2			
Wind		8 W		0 W	
Clouds		2 RR		0 P	

At 9 $\frac{2}{3}$ A.M. before wetting
Dry 28.4 Wet 27.1

X Gauge C at 4 $\frac{1}{4}$ P.M. Dec. 20 $10 \frac{8}{10}$
" " " 10 A.M. " 21 2
 $12 \frac{8}{10}$

sl bz g.

SUNDAY, DECEMBER 22, 1872.

	7	10	2	4	9
Barom.		30.033		30.160	
Alt. H.		62.2		60.4	
No. 4		12.7	10.6	9.0	3.0
Min.		10.4 (12.1)			
Dry		14.0			
Wet		10.9			
Solar					
Max.					
Gauge		† 8			
Wind		20° W		7° NW	
Clouds		0		0 R	

Snow previous night
 † At 10 A.M. new snow about $1\frac{1}{2}$ inches
 6 inches in cylinder $\frac{1}{8}$ inches
 diameter which I saw
 Gauge rainfall 0.157 inches
 rd R29

At 4 P.M. the quality of the
 rainfall due to 4 inch of snow, so that if the amount
 of 4 inches is retained, the total rainfall would be 0.249,
 but the measurement is too uncertain to make it
 worth while to alter the record.

MONDAY, DECEMBER 23, 1872.

	7	10	2	4	9
Barom.		30.037		29.832	
Alt. Th.		46.3		52.4	
No. 4	6-5	10.6	23.3	23.6	19.0
Min.		-1.8 (100)			
Dry		12.0		24.9	
Wet		11.0		22.9	
Polar				39.6 (26.5)	
Max.					24.2 (20.0)
Gauge C		1			
Wind		3 ^e S		10 ^e W	
Clouds		10 P snowing		10 P snowing	

Snow early morning and at times later
At 10 A.M. 4 in. snow

ys y>A5 2689

TUESDAY, DECEMBER 24, 1872.

	7	10	2	4	#10 1/3
Barom.		30.349		30.394	
Alt. Th.		49.7		62.8	
No. 4	1.5	8.5	9.8	8.4	-0.6
Min.		5.0 (7.6)			
Dry		10.0 } about		10.0 } about	
Wet		6.5		6.5	
Solar				93.9 (22.0)	
Max.					19.7 (4.5)
Gauge		x5 -			
Wind		5 e. W		8 e. NW	
Clouds		8 Pz Pz		1 Pz	
		Rm			

* At 10 A.M. Snow $2\frac{1}{2}$ inches deep over crust. How much of this is New snow is doubtful; estimate $1\frac{1}{2}$ inches, since the snow of Dec. 22 may have been packed together a little. $3\frac{1}{2}$ inches in cylinder $1\frac{1}{8}$ in. diameter weigh 1 ounce.

Hence rainfall 0.179 inches

Note, April 6, 1883. This quantity 0.179 is the rainfall due to 1 inch of snow, so that if the estimate of $1\frac{1}{2}$ inches is retained, the total rainfall would be 0.269; but the measurement is too uncertain to make it worth while to alter the record.

WEDNESDAY, DECEMBER 25, 1872.

	7	10	2	4	9
Barom.		30.472		30.432	
Alt. Th.		39.5		53.1	
No. 4	-6.2	-2.2	3.5	2.5	-1.5
Min.		-8.6 (-2.2)		(below graduation)	
Dry		{below graduation}			
Wet					
Solar				78.9 (26.8)	
Max.					4.5 (3.5)
Gauge C		0			
Wind		7 ^e W		9 ^e N	
Clouds		10 R		0 R R	

gd y-A 10. rd U

THURSDAY, DECEMBER 26, 1872.

	7	10	2	4	9
Barom.		30.017		29.699	
Alt. Th.		46.2		157.5	
No. 14	-0.5	2.7	8.4	6.7	6.6
Min.		-3.6 (2.3)			
Dry		{ below		{ could not	
Wet		{ graduation }		{ be read }	
Solar				26.5 (8.3)	
Max.					9.0 (8.0)
Gauge C		0			
Wind		10 ^e N		15 ^e N	
Clouds		10 Pz snowing		10 Pz snowing	

A little snow in the morning, Beginning to snow harder at 10 A.M. Depth of snow to crust at 10 A.M. $1\frac{3}{4}$ inches. Snow continued through the day and evening.

FRIDAY, DECEMBER 27, 1872.

Barom.	7	10	2	4	$11\frac{5}{6}$
Ht. Th.		29.636		29.596	
		60.6		48.4	
No. 4	8.5	6.9	8.9	8.5	1.9
Min.		2.4	(6.1)		
Dry		8.4		about 10.0	
Wet		6.0	doubtful	7.9	
Solar				23.5 (21.7)	
Max.					11.3 (5.3)
Gauge. C		* buried in drift			
Wind		7° NW		9° NW	
Clouds		10 P		10 P	
		snowing			

Snow ceased falling before morning. A few flakes at 10 A.M.
 Cleared off about 8 P.M. Some snow seen 11 P.M. to midnight.

10 measuring
 of depth
 of snow
 to crust

11
 13
 7½
 8
 10
 6
 3½
 9
 9
 9

Mean 8.6

Old snow probably packed considerably
 above crust. New snow estimated
 at least 8 inches deep.
 On this estimate rainfall
 1.065 inches

1½ inches in cylinder 17½ inches
 diameter weigh 3½ ounces

SATURDAY, DECEMBER 28, 1872.

	7	10	2	4	9
Barom.		30.000		30.052	
Alt. Th.		36.1		40.6	
- 32.35		5.9	16.8	17.2	15.0
No. 4	0-3	5.0	16.1	16.8	14.3
Min.		-5.0 (5.0)			
Dry		6.9		18.0	
Wet		under fastening		14.8	
Solar				103.0 (45.8)	
Max.					17.2 (15.7)
Gauge C		0			
Wind		6 ^e W		11 ^e SW	
Clouds		0		0 R	
Case. 12530		5.5	16.2	16.9	14.7

rRd 129.

SUNDAY, DECEMBER 29, 1872.

	7	10	2	4	9
Barom.		30.315		30.290	
Alt. Th.		56.2		63.0	
3235		17.5			
No. 4	9.0	17.0	26.0	23.0	13.0
Min.		57.1 (16.3)			
Dry		18.5		24.0	
Wet		16.1		20.1	
Solar				107.5 (24.9)	
Max.					26.1 (14.1)
Gauge C		0			
Wind		2 nd NW		4 th SW	
Clouds		10 P; thin		10 P	
12530		16.3			

Dec. 29 1872 2 P.M. Casella 3235
 in bucket of ice water in E. Transit Room
 where the temperature of the air is
 about 32.5 reads 32.7
 Casella 12530 in same bucket reads 32.0

y Rd 2 AG.

MONDAY, DECEMBER 30, 1872.

	7	10	2	4	9 ¹ / ₆
Barom.		30.472	30.50	30.475	
Alt. Th.		49.3	0.58	61.4	
No. 4	1.5	7.1	15.1	15.6	6.2
Min.		1.5 (6.8)			
Dry		under fastenings		16.9	
Wet		6.7		13.8	
Solar				98.0 (46.0)	16.1 (7.5)
Max.					
Gauge		0			
Wind		8 ^e NW		3 ^e NW	
Clouds		0		1 B Rs	

rdm

TUESDAY, DECEMBER 31, 1872.

	7	10	2	4	9
Barom.		30.258		30.085	
Ht. Th.		54.0		64.0	
No. 14	7.8	14.5	13.6	15.2	16.3
Min.		2.0 (13.9)			
Dry		15.6		16.2	
Wet		14.8		15.3	
Solar				45.4 (18.1)	
Max.					17.6 (16.9)
Gauge C		0 $\frac{1}{2}$			
Wind		0 N		4 ^e NW	
Clouds		10 Pz		10 Pz	
		snowing		snowing	

Moderate snow all day and evening,
stopping at times. Not snowing at 9 P.M.

MEMORANDA.

Aurora of April 10 continued.

At 9 $\frac{3}{4}$ P.M. arch broken up; streamers covering most of sky, flashing fast in the north, with a little reddish color in parts; corona formed with vertex between S. & E. U.S. Maj.

Thunder showers of July 4 continued.

3^d shower beginning about 2 $\frac{3}{4}$ P.M. wind still more northerly; barometer rising: the lowest point noticed was 29.800 about 2 $\frac{1}{4}$ P.M. Rain held up suddenly at 2 $\frac{11}{12}$ P.M. & began again 2 minutes later; barometer 29.850 at 3 P.M. At 3 $\frac{1}{6}$ P.M., 1 hour from beginning of storm gauge examined: 1.20 inches found: rain at this time moderate. Wind coming back from NW to W.

Clouds throughout the showers simple P.M. 7m with little hardness of outline.

Wind ~~SE~~ SE by 5 P.M. Moderate rain at times in the evening.

MEMORANDA.

1872

Note Sept. 21 1872.

A. Earle was absent from the Observatory from early on July 20 to about noon Aug. 21. During this time the 7 A.M. observation is, as before, by Bridget Henry. The remainder are mostly by G. Frouvelot. Some, in a smaller hand, are by L. Frouvelot.

G. Frouvelot read the maximum thermometer correctly on July 21, 22, & 23, as it would seem. On July 20 he either set down 61.5 by mistake for 81.5, or else read the lower portion of the mercury by mistake for the upper; and on July 21 he evidently did not fully set the instrument so that his reading July 22 is too high. After July 23 his readings are manifestly too low. He very likely read the lower end of the detached part of the mercury in most cases, but as he does not remember anything about the matter, the maximum observations during August made by him have not been copied. The detached portion of the mercury is just ten degrees long; and for the last days of July conjectural readings founded on G. Frouvelot's record have been supplied in the copy, but these are of course of little value.

The ~~other~~ quantity of clouds is given by G. Frouvelot sometimes in fractions like $\frac{4}{5}$ denoting the portion of the sky covered; sometimes by figures like 10 20 7 or 5 intended to represent denominators with 1 for a numerator. In the copy, these

have been replaced by the equivalent notation of the regular system. L. Trouvelot recorded sometimes on the regular system, at other times by vulgar fractions.

The measuring glass of the Casella rain gauge came to pieces while in use for the last time during A. Earle's absence. The rain is correctly recorded on the usual system, except that decimal fractions of a division are sometimes employed, and that the gauge was examined at 4 P.M. as well as at 10 A.M.

The other observations were usually made correctly, it would seem. Where the results are 'impossible', conjectural emendations have been suggested, and entered in the copy.

The observations ~~beginning~~
from 9 P.M. Sept. 14 to 10 A.M. Sept. 16
inclusive were also by L. & G. Trouvelot.
Also those between 10 A.M. Oct. 12
and 9 P.M. Oct. 14.

10

9 $12\frac{1}{4}$ 10 $3\frac{1}{4}$ 29 $15\frac{1}{2}$

4

30 $3\frac{1}{2}$ 11 $4\frac{3}{4}$ 18 $14\frac{3}{4}$ 30 $2\frac{3}{4}$

7.95708

2.48109

1141817

2.619

3 $12\frac{1}{4}$ 18 $\frac{1}{4}$ 10 $\frac{1}{4}$ 28 $\frac{3}{4}$ 4 $\frac{1}{4}$

8.94575

1.45864

0.40439

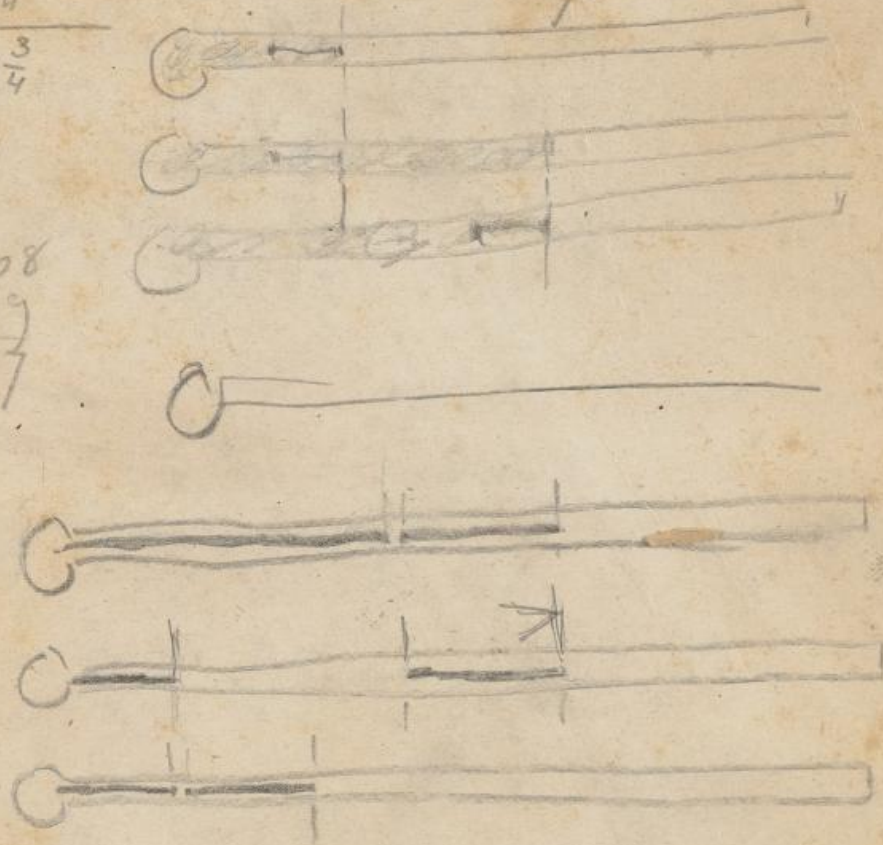
2.537

8.94575

0.62839

9.57414

0.375



9.2

10.

19.2

40.6

59.8

