

# METEOROLOGICAL.

Cupboard 28  
Shelf 2  
No. 81  
1 book

Book No. *35*, 1873.

## METEOROLOGICAL RECORDS.

Party No. *Comparison of* Section.

Camp at *Instrument's*, 187 .

To Camp at *Washington D.C.*, 187 .

*May. 1873*

....., In charge of party.

Engineer Department, U. S. Army.

Geographical Surveys West of 100th Meridian.

Station: Washington, D. C.

DATE.	HOUR.	CIS. BAR. No. Standard		CIS. BAR. No. 1376		CIS. BAR. No. 1611		CIS. BAR. No. 1735		ANEROID BAR.					
		Reading.	Attached Ther.	Reading.	Attached Ther.	Reading.	Attached Ther.	Reading.	Attached Ther.	No. 1 Reading.	No. 2 Reading.	No. 3 Reading.	No. 4 Reading.	No. Dry.	No. Wet.
May	12 <sup>d</sup> 12 m														
1873	12 m														
	1 p m														
	2 "														
	3 "														
	4 "														
	5 "														
	6 "														
	7 "	.840	67.8	.817	67.0	.910	67.5	.866	67.2	.620	.680	.680	.710		
	8 "	.843	68.3	.827	67.0	.912	67.1	.874	68.0	.660	.750	.710	.740		
	9 "	.859	68.1	.834	66.3	.917	67.	.876	66.3	.680	.790	.710	.750		
13 <sup>d</sup>	7 Am	.723	66.1	.703	64.2	.780	64.5	.744	64.2	.510	.640	.580	.620		
	8 "	.712	65.2	.684	63.2	.778	63.5	.732	63.3	.570	.620	.580	.600		
	9 "	.696	66.7	.662	64.4	.756	64.8	.710	64.5	.490	.620	.580	.620		
	10 "	.674	69.4	.651	67.7	.742	68.3	.710	67.8	.480	.570	.540	.560		
	11 "	.684	72.4	.656	70.4	.746	70.7	.700	70.6	.470	.460	.520	.560		
	12 No	.664	73.9	.642	72.3	.728	72.6	.684	72.4	.420	.510	.510	.512		
	10 m	.669	76.8	.642	75.3	.725	75.5	.679	75.4	.430	.500	.510	.520		
	2 "	.660	76.9	.635	75.4	.714	75.7	.677	75.5	.420	.465	.500	.560		
	3 "	.652	74.1	.639	72.4	.649	73.9	.660	72.8	.440	.460	.500	.510		
	4 "	.644	75.0	.612	73.2	.701	73.7	.650	73.4	.410	.460	.480	.520		
	5 "	.654	74.9	.647	73.0	.722	73.9	.683	73.9	.410	.450	.490	.510		
	6 "	.660	74.6	.646	72.3	.718	73.2	.688	72.7	.470	.480	.520	.520		
	7 "	.699	74.6	.668	72.5	.756	72.8	.708	72.6	.510	.520	.530	.570		
	8 "	.746	78.6	.724	72.0	.719	71.6	.771	71.8	.550	.580	.590	.620		
	9 "	.783	70.8	.760	69.0	.845	69.3	.800	69.0	.580	.610	.630	.650		
	10 "														
	11 "														
	12 "														

These numbers should be reversed

HYGROMETER.

CLOUDS.

WIND.

RAIN OR SNOW.

No. 3228 No. 3229 No. 3231A  
3233A

~~B~~ ~~A~~ ~~A~~ ~~B~~ ~~A~~ ~~A~~  
Dry. Wet. Dry. Wet. Dry. Wet.

Amount.  
Name.  
Direction of upper clouds.  
Direction.  
Force per anemometer.  
Force, estimated.  
Began.  
Ended.  
Amount, in inches.

REMARKS.

65.6 57.8 64.6 58.3 65.7 57.8  
65.2 57.6 64.1 57.8 65.0 57.0  
65.5 57.9 64.5 58.4 65.5 57.9  
69.0 59.1 67.9 59.7 68.9 59.4  
71.3 61.5 70.5 61.9 71.5 61.4  
72.9 61.5 71.7 62.1 72.6 61.6  
75.8 62.7 74.9 63.1 75.9 62.8  
75.8 62.5 74.8 63.1 75.6 62.7  
74.9 64.7 73.6 64.9 74.8 64.8  
74.9 64.1 73.8 64.5 74.6 64.1  
75.6 63.2 74.6 63.8 75.7 63.6  
74.2 64.3 73.0 64.6 72.5 63.7  
74.2 63.5 74.3 62.9 73.9 64.2  
70.1 56.5 69.3 56.3 70.0 56.3

Lee + Brown  
Brown  
"  
Gedney  
"  
" + Lee  
" + Lee  
Gedney.  
Lee  
Gedney  
Brown

The standard cistern barometer was leaking and its cistern full of air bubbles when first placed in position. The standard aneroid is not in good condition, being stationary at 29.120.

Station: Washington, D.C.

DATE.	HOUR.	CIS. BAR. No. 1767		CIS. BAR. No. 1768		CIS. BAR. No. 1769		CIS. BAR. No. 1852		ANEROID BAR.					
		Reading.	Attached Ther.	Reading.	Attached Ther.	Reading.	Attached Ther.	Reading.	Attached Ther.	No. 22 Reading.	No. 57 Reading.	No. 528 Reading.	No. 531 Reading.	No. Dry.	No. Wet.
May															
1873															
12 <sup>th</sup>	12 m														
	1 P m														
	2 "														
	3 "														
	4 "														
	5 "														
	6 "														
	7 "	.856	67.5	.858	66.9	.852	67.2	.856	66.8	.610	.210	.540	.600		
	8 "	.860	67.0	.863	65.9	.858	67.3	.872	66.7	.650	.260	.580	.620		
	9 "	.862	66.5	.867	65.8	.862	66.7	.878	66.3	.660	.280	.600	.640		
18 <sup>th</sup>	4 A M	.738	64.5	.729	63.5	.740	64.4	.735	63.7	.670	.120	.480	.490		
	8 "	.720	63.5	.723	62.8	.726	63.6	.730	62.8	.670	.160	.570	.520		
	9 "	.708	64.7	.702	63.8	.714	64.5	.700	63.9	.670	.090	.420	.490		
	10 "	.692	67.9	.684	67.0	.695	67.4	.688	66.9	.650	.060	.420	.440		
	11 "	.694	70.8	.696	69.9	.690	70.1	.688	69.4	.620	.060	.420	.430		
	12 m	.680	72.5	.672	71.3	.672	71.6	.674	71.2	.610	.020	.390	.420		
	1 P m	.676	75.6	.673	74.2	.681	74.5	.677	74.0	.450	.020	.390	.390		
	2 "	.663	75.2	.659	74.6	.658	74.9	.666	74.1	.440	.050	.410	.500		
	3 "	.663	73.0	.650	72.1	.656	72.5	.675	71.9	.440	.050	.420	.425		
	4 "	.654	73.8	.654	72.5	.654	73.2	.660	72.6	.600	.020	.420	.421		
	5 "	.680	74.0	.678	73.1	.683	74.0	.679	73.1	.430	.050	.420	.420		
	6 "	.680	73.2	.676	72.2	.678	72.7	.676	72.2	.600	.040	.420	.420		
	7 "	.692	72.9	.692	71.9	.704	72.7	.714	72.2	.620	.090	.420	.460		
	8 "	.756	71.7	.758	71.6	.755	71.8	.757	71.5	.550	.150	.420	.540		
	9 "	.795	69.0	.794	68.2	.795	68.6	.794	68.1	.580	.190	.420	.570		

H. M. Sherman

Observer.

HYGROMETER.

CLOUDS.

WIND.

RAIN OR SNOW.

No. 3240 No. 1820A No. 1811B  
 1808B 1811A

<sup>B</sup> Dry. <sup>A</sup> Wet. <sup>A</sup> Dry. <sup>B</sup> Wet. Dry. Wet.

Amount. Name. Direction of upper clouds. Direction. Force per anemometer. Force, estimated. Began. Ended. Amount, in inches.

REMARKS.

64.6 57.5 64.2 55.4 65.2 56.3  
 63.8 56.8 63.7 57.9 64.5 56.9  
 64.5 57.5 63.9 58.4 65.3 58.8  
 67.9 59.3 66.5 59.9 68.0 60.2  
 70.4 61.1 68.7 61.7 70.5 61.8  
 71.8 61.2 70.1 61.8 72.1 62.2  
 73.2 62.6 73.0 63.1 75.1 63.4  
 74.8 62.1 73.1 63.8 75.2 63.1  
 73.7 64.8 72.0 65.0 74.5 65.3  
 74.7 63.7 72.9 64.3 74.2 64.7  
 75.7 63.1 73.9 63.2 75.1 64.0  
 72.7 64.9 ~~63.9~~ 63.9 74.0 65.3  
 72.7 63.0 72.9 63.5 73.9 64.1  
 6  
 69.0 56.1 68.5 56.5 70.0 57.1

Ice + Brown  
 Brown  
 "  
 Drizzle  
 "  
 " the  
 Drizzle + Drizzle  
 Drizzle  
 "  
 " "  
 Drizzle  
 "  
 "  
 Ice  
 Drizzle  
 "  
 Brown



Observer.

HYGROMETER.

CLOUDS.

WIND.

RAIN OR SNOW.

No. 1509 Standard		No.		No.	
Dry.	Wet.	Dry.	Wet.	Dry.	Wet.

Amount.	Name.	Direction of upper clouds.	Direction.	Force per anemometer.	Force, estimated.	Began.	Ended.	Amount, in inches.
---------	-------	----------------------------	------------	-----------------------	-------------------	--------	--------	--------------------

REMARKS.

See + Brown  
Brown

"  
Ledney

"  
" Blue

+ ship

horizontal # out of order  
reading between our levels  
at each observation.

9 am reads 75.000

See  
Ledney

Brown

"

73.5

74.0

72.8

73.0

71.8

69.8





, *Observer.*

HYGROMETER.						CLOUDS.			WIND.		RAIN OR SNOW.			REMARKS.		
No.		No.		No.		Amount.	Name.	Direction of upper clouds.	Direction.	Force per anemometer.	Force, estimated.	Began.	Ended.		Amount, in inches.	
Dry.	Wet.	Dry.	Wet.	Dry.	Wet.											

*Brown*  
"

Amund 1013. 14. revised

Station: Washington D.C. Comparison of

DATE.	HOUR.	CIS. BAR. No. Standard		CIS. BAR. No. 1376		CIS. BAR. No. 1611		CIS. BAR. No. 1735		ANEROID BAR.					
		Reading.	Attached Ther.	Reading.	Attached Ther.	Reading.	Attached Ther.	Reading.	Attached Ther.	No. 1	No. 2	No. 3	No. 4	No.	No.
										Reading.	Reading.	Reading.	Reading.	Dry.	Wet.
May 14	7 am	29.979	61.0	.897	58.8	.987	59.1	.948	58.9	29.730	.740	.760	.790		
	8	.948	61.9	.949	59.5	.993	60.1	.951	60.0	.730	.740	.770	.790		
	9	.929	61.4	.892	59.1	.991	59.6	.948	59.3	.780	.790	.820	.830		
	10	.942	63.8	.908	61.6	.998	61.3	.957	61.6	.810	.790	.810	.820		
	11	.910	63.4	.873	60.2	.968	60.6	.924	60.2	.790	.780	.790	.820		
	12 M	.886	63.7	.862	60.9	.848	61.7	.908	61.2	.730	.730	.760	.776		
	1 PM	.874	65.1	.829	63.7	.924	62.9	.883	62.8	.690	.720	.720	.770		
	2	.847	65.9	.824	64.6	.909	64.8	.870	64.9	.710	.710	.720	.750		
	3	.822	64.0	.805	61.9	.888	62.5	.949	62.3	.680	.690	.710	.720		
	4	.812	63.4	.743	61.3	.826	62.0	.831	61.8	.670	.690	.700	.720		
	5	.796	64.3	.767	62.3	.860	62.9	.816	62.7	.620	.650	.660	.710		
	6	.795	65.1	.776	63.7	.856	64.6	.816	64.3	.630	.650	.670	.710		
	7	.794	64.7	.773	63.1	.760	63.7	.848	64.1	.620	.640	.660	.700		
	8	.800	65.0	.786	63.1	.869	63.7	.828	63.5	.620	.660	.670	.690		
	9	.820	64.7	.798	63.0	.872	63.0	.832	63.0	.610	.630	.620	.680		



Station:

DATE.	HOUR.	CIS. BAR. No. 1767		CIS. BAR. No. 1768		CIS. BAR. No. 1769		CIS. BAR. No. 1852		ANEROID BAR.					
		Reading.	Attached Ther.	Reading.	Attached Ther.	Reading.	Attached Ther.	Reading.	Attached Ther.	No. 22 Reading.	No. 57 Reading.	No. 531 Reading.	No. 1560 Reading.	No. Dry.	No. Wet.
May 14	7 a.m.	.941	59.7	.939	59.0	.948	59.9	.950	58.7	.69	.420	.70	.88		
	8	.938	60.4	.951	59.6	.938	60.1	.963	59.3	.69	.370	.70	.88		
	9	.938	59.4	.935	58.7	.934	59.4	.939	58.7	.760	.360	.720	.920		
	10	.948	61.7	.936	60.7	.940	61.3	.940	60.5	.920	.850	.720	.920		
	11	.918	60.5	.910	59.6	.914	60.3	.913	59.6	.880	.320	.690	.890		
	12.30 p.m.	.894	61.4	.890	60.7	.894	61.4	.890	60.7	.830	.320	.660	.860		
	1	.874	63.8	.870	63.1	.876	63.2	.870	63.3	.670	.370	.630	.825		
	2	.859	64.9	.856	64.0	.860	64.1	.860	63.7	.650	.220	.620	.825		
	3	.836	62.6	.838	61.7	.837	62.2	.838	61.5	.660	.360	.610	.810		
	4	.821	81.9	.822	61.4	.825	61.9	.823	61.0	.610	.250	.620	.800		
	5	.808	62.9	.804	61.9	.810	62.7	.812	61.9	.780	.220	.610	.855		
	6	.808	64.4	.815	63.6	.809	64.1	.816	63.7	.610	.210	.600	.765		
	7 <sup>30</sup> p.m.	.863	64.1	.801	63.2	.812	63.8	.815	63.0	.610	.210	.590	.770		
	8	.814	64.0	.812	63.0	.813	63.0	.827	63.9	.600	.200	.580	.760		
	9	.821	64.0	.820	63.0	.819	63.7	.830	63.0	.600	.190	.580	.770		



Station:

DATE.	HOUR.	CIS. BAR. No. 1853		CIS. BAR. No. 1985		CIS. BAR. No. 1988		CIS. BAR. No. 1		ANEROID BAR.					
		Reading.	Attached Ther.	Reading.	Attached Ther.	Reading.	Attached Ther.	Reading.	Attached Ther.	No. 1581 Reading.	No. 1582 Reading.	No. 1583 Reading.	No. Reading.	No. Dry.	No. Wet.
July 14	7. a.m.	968	58.8	960	59.1	945	60.2	929	60.2	.88	.89	.89			
	8	964	59.5	952	59.2	939	59.9	930	60.1	.89	.89	.89			
	9	943	58.9	944	58.5	946	59.1	917	58.8	.890	.920	.910			
	10	948	61.1	955	60.5	949	61.2		<del>60.2</del>	.900	.910	.900			
	11	917	59.9	920	59.4	917	60.2		<del>60.2</del>	.890	.890	.890			
	12. m.	892	60.9	807	60.3	896	61.1			.860	.860	.850			
	1	846	63.9	846	63.5	842	63.2			.830	.825	.820			
	2	863	64.1	864	63.6	854	64.2			.830	.840	.830			
	3	840	61.6	844	61.3	836	61.9	814	61.8	.810	.810	.810			
	4	826	61.1	829	60.5	823	61.4	813	61.0	.810	.800	.790			
	5	810	62.2	815	61.6	810	62.2	785	61.9	.790	.820	.790			
	6	810	63.6	814	63.0	808	63.5	776	63.0	.780	.775	.750			
	7	816	63.7	817	62.8	804	63.0	778	63.7	.780	.740	.800			
	8	817	64.0	824	63.1	816	63.5	796	63.5	.780	.780	.750			
	9	828	63.8	835	63.0	824	63.8	810	63.5	.790	.780	.760			

Observer.

HYGROMETER.

Thermometer

CLOUDS.

WIND.

RAIN OR SNOW.

No. 1509		No.		No.	
Standards					
Dry.	Wet.	Dry.	Wet.	Dry.	Wet.

Amount.	Name.	Direction of upper clouds.	Direction.	Force per anemometer.	Force, estimated.	Began.	Ended.	Amount, in inches.
---------	-------	----------------------------	------------	-----------------------	-------------------	--------	--------	--------------------

REMARKS.

59.6

Lee

59.9

Edney

61.0

"

60.8

Edney

61.5

Lee

63.1

64.2

62.0

61.9

Edney

62.2

Lee

64.0

63.5

65.0

Brown

64.8

"







Station: Washington D.C. Comparison of Cistern

DATE.	HOUR.	CIS. BAR. No. Standard		CIS. BAR. No. 1376		CIS. BAR. No. 1611		CIS. BAR. No. 1725		ANEROID BAR.					
		Reading.	Attached Ther.	Reading.	Attached Ther.	Reading.	Attached Ther.	Reading.	Attached Ther.	No. 1 Reading.	No. 2 Reading.	No. 3 Reading.	No. 4 Reading.	No. Standard Dry.	Wet.
May 15	7 AM	836	60.3	802	58.3	894	58.8	849	58.7	690	680	720	720	59.8	
	8	844	60.6	817	58.3	913	58.8	862	58.7	710	710	720	730	59.8	
	9	853	62.3	823	59.9	812	60.2	869	59.9	720	710	710	750	60.8	
	10	864	64.1	832	61.6	918	61.8	878	61.7	725	710	725	740	61.8	
	11	867	65.8	839	63.3	926	63.7	879	63.1	740	720	740	760	63.4	
	12 M	885	66.2	833	64.5	914	64.9	844	64.5	705	710	725	740	63.8	
	1 PM	843	67.4	812	65.1	901	65.6	868	65.3	690	680		720	65.0	
	2	830	67.3	804	65.3	886	65.8	844	65.5	670	670		720	65.6	
	3	801	68.5	782	66.6	880	66.9	828	67.2	620	660		720	66.3	
	4	800	68.4	778	65.6	860	67.1	816	66.9	620	620		680	65.6	
	5	792	68.0	776	65.8	860	66.1	817	66.1	600	590		670	65.0	
	6	795	68.0	779	66.2	860	66.9	821	66.5	610	600		680	65.3	
	7	819	67.5	783	65.5	878	66.0	835	66.0	610	610		680	64.9	
	8	832	78.3	800	66.4	894	66.9	842	66.8	690	690		740	67.2	
	9	830	67.2	804	65.1	894	65.9	850	66.1	710	710		730	66.9	

Comparison by Mr. Thompson

# and Aneroid Barometers.

Observer.

HYGROMETER.						CLOUDS.			WIND.		RAIN OR SNOW.		REMARKS.			
No. 3228	No. 3229	No. 3231 3233				Amount.	Name.	Direction of upper clouds.	Direction.	Force per anemometer.	Force, estimated.	Began.		Ended.	Amount, in inches.	
Dry.	Wet.	Dry.	Wet.	Dry.	Wet.											
61.2	51.1	60.0	51.7	61.0	51.2											Redney
60.4	51.4	59.3	51.6	60.2	49.9											"
61.7	51.5	60.8	52.0	61.8	51.5											Lee
62.6	51.4	61.6	50.9	62.7	50.6											"
64.7	52.6	63.5	52.8	64.4	52.1											"
65.2	52.1	64.0	52.4	65.0	52.1											"
65.8	53.5	64.8	53.0	65.7	53.3											Redney
66.3	53.9	65.2	53.9	66.2	53.2											"
66.2	<del>5</del>	66.2	55.3	0	0											Lee
0	0	65.5	55.5	0	0											"
0	0	66.7	57.0	0	0											Brown
0	0	67.0	59.7	0	0											"
0	0	66.5	59.5	0	0											"
0	0	67.2	61.2	0	0											Redney
0	0	67.8	60.1	0	0											"

Sensometer also taken this morning late.

Station: Washington D.C., comparison of

DATE.	HOUR.	CIS. BAR. No. 1767		CIS. BAR. No. 1768		CIS. BAR. No. 1769		CIS. BAR. No. 1852		ANEROID BAR.				
		Reading.	Attached Ther.	Reading.	Attached Ther.	Reading.	Attached Ther.	Reading.	Attached Ther.	No. 22 Reading.	No. 57 Reading.	No. 531 Reading.	No. 1560 Reading.	No. Dry.

May 5

7 am	.842	589	.836	583	.842	592	.844	582	.790	520	.620	.810		
8	.852	588	.846	583	.851	589	.854	581	.790	.280	.660	.830		
9	.868	601	.863	598	.868	599	.864	582	.640	.310	.660	.840		
10	.872	61.8	.863	61.1	.868	61.3	.868	61.0	.640	.290	.660	.840		
11	.874	633	.872	62.5	.879	62.8	.873	62.5	.650	.320	.675	.850		
12 M	.865	64.6	.864	63.7	.862	64.0	.864	63.3	.640	.320	.650	.830		
1 PM	.852	65.5	.846	64.7	.856	65.0	.854	64.3	.790	.280		.770		
2	.836	65.8	.828	64.7	.832	65.3	.831	64.6	.790	.270		.790		
3			.812	66.4	.816	66.8	.814	65.8	.790	.230		.780		
4			.801	65.7	.810	66.7	.806	65.7	.790	.190		.760		
5			.800	65.9	.805	65.8	.815	65.0	.580	.200		.760		
6			.815	66.0	.817	66.2	.817	65.8	.590	.200		.770		
7			.825	65.5	.821	65.5	.828	65.4	.580	.200		.770		
8			.832	66.2	.836	66.7	.840	65.9	.790	.250		.820		
9			.840	65.7	.836	66.0	.842	65.8	.790	.260		.790		

upper therm.

increase of wind velocity & temperature for 2 hours



Station: *Washington DC Comparison*

DATE.	HOUR.	CIS. BAR. No. 1853		CIS. BAR. No. 1985		CIS. BAR. No. 1988		CIS. BAR. No. 1		ANEROID BAR.				
		Reading.	Attached Ther.	Reading.	Attached Ther.	Reading.	Attached Ther.	Reading.	Attached Ther.	No. 1581	No. 1852	No. 1583	No.	No.

*May 5,*

7 Am	844	587	851	584	846	59.3	819	59.3	820	820	810				
8	858	585	858	583	854	58.9	840	58.7	820	820	820				
9	868	59.9	868	59.5	858	60.0	842	59.9	840	850	830				
10	872	61.2	873	60.9	861	61.5	850	61.4	840	840	825				
11	880	62.7	884	62.1	876	62.9	849	62.5	840	860	830				
12 M	868	63.6	869	62.8	862	63.1	844	63.0	830	840	825				
1 Am	854	64.7	856	63.9	852	64.5	820	64.3	700	770					
2	840	65.3	842	64.3	834	65.0	802	64.8	790	800					
3	<del>820</del>	~	824	65.6	817	66.0	792	65.9	780	770					
4	<del>810</del>	~	812	65.3	809	65.9	786	65.8	760	760					
5	<del>800</del>	~	812	64.8	809	65.2	788	65.0	750	750					
6	<del>790</del>	~	819	65.2	812	66.0	779	65.8	760	770					
7	<del>780</del>	~	832	65.0	815	65.5	800	65.8	780	780					
8	<del>770</del>	~	846	65.8	846	66.2	814	66.1	820	830					
9	<del>760</del>	~	848	65.2	838	65.8	814	65.6	800	790					

*Comparison 1853 compared with 1852 and 1853 for sensitivity*

# Beston & Aneroid Barometer.

Observer.

HYGROMETER.

CLOUDS.

WIND.

RAIN OR SNOW.

No. 159  
 Dry. Wet. Dry. Wet. Dry. Wet.

Amount.  
 Name.  
 Direction of upper clouds.  
 Direction.  
 Force per anemometer.  
 Force, estimated.  
 Began.  
 Ended.  
 Amount, in inches.

REMARKS.

508

Gedney  
 "  
 Lee  
 "  
 "  
 "  
 Gedney  
 "  
 Lee  
 "  
 Brown  
 "  
 "  
 Gedney  
 "







Station: Washington D.C. Comparison with Standards of

DATE.	HOUR.	CIS. BAR. No. Standards		CIS. BAR. No. Enquirer Standards		CIS. BAR. No. 1768		CIS. BAR. No.		ANEROID BAR.					
		Reading.	Attached Ther.	Reading.	Attached Ther.	Reading.	Attached Ther.	Reading.	Attached Ther.	No. Reading.	No. Reading.	No. Reading.	No. Reading.	No. 82 Dry.	No. 82 Wet.
May 16	9 a.m.	29.900	66.8	29.727	67.6	29.891	65.1							64.0	58.0
	10 "	900	67.3	29.720	67.5	29.885	65.4							66.0	59.1
	11 "	.899	68.3	.720	68.5	.888	66.1							69.0	60.0
	12 M.	.896	69.5	.713	70.1	.883	68.0							70.0	60.9
	1 P.M.	.892	71.1	.714	71.7	.883	69.1							73.3	62.9
	2 "	.886	73.1	.710	74.4	.878	71.8							72.1	58.5
	3 "	.890	74.4	.710	75.0	.876	72.3							72.4	59.9
	4 "	.898	75.0	.714	75.5	.886	72.8							71.4	57.3
	5 "	.904	74.7	.722	74.6	.890	71.8							69.9	58.6
	6 "	.907	74.3	.726	74.8	.898	71.9							69.1	58.1
	7 "	.974	74.1	.736	74.5	.910	71.8							67.1	56.1
	8 "	.939	73.7	.755	74.0	.928	71.4							63.8	55.5
	9 "	.949	73.4	.767	73.5	.989	70.8							65.6	57.1



Station: Washington D.C. - Comparison with Standards

DATE.	HOUR.	CIS. BAR.		CIS. BAR.		CIS. BAR.		CIS. BAR.		ANEROID BAR.							
		No. <i>Standard</i>	No. <i>Standard</i>	No. <i>Standard</i>	No. <i>Standard</i>	No. <i>Standard</i>	No. <i>Standard</i>	No.	No.	No.	No.	No.	No. <i>82</i>	No. <i>82</i>			
		Reading.	Attached Ther.	Reading.	Attached Ther.	Reading.	Attached Ther.	Reading.	Attached Ther.	Reading.	Reading.	Reading.	Reading.	Reading.	Dry.	Wet.	
May 17	7 am	30.019	63.0	29.834	63.3	30.008	61.3									56.1	47.1
	8	.030	63.7	.850	63.9	.022	61.8									58.3	47.6
	9	.044	64.5	.856	64.9	.032	63.1									60.8	48.8
	10	.095	65.8	.906	66.0	.027	64.9									62.8	54.6
	11	.075	66.8	.893	67.1	.014	65.5									64.7	56.9
	12 m.	.061	68.0	.878	68.4	.299	66.8									65.9	50.2
	1 P.M.	.018	69.0	.832	69.6	30.004	67.3									67.1	50.9
	2	.018	70.5	.830	71.1	.998	68.8									68.2	57.5
	3	.004	71.8	.824	72.2	.997	69.7									68.1	57.6
	4	.076	72.1	.890	72.6	30.020	70.4									67.6	51.9
	5	.080	73.0	.888	73.5	.018	71.2									68.7	52.0
	6	.075	73.3	.880	73.8	.067	72.3									68.3	52.5
	7	.032	73.1	.840	73.4	.020	70.9									66.8	52.8
	8	.044	72.9	.860	72.9	.030	70.2									62.2	51.1
	9	.062	72.2	.884	72.3	.056	69.5									60.4	50.4



Station: Washington DC Comparison

Standard  
Thermometer

1811

DATE.	HOUR.	CIS. BAR.		CIS. BAR.		CIS. BAR.		CIS. BAR.		ANEROID BAR.					
		No.	Reading.	No.	Reading.	No.	Reading.	No.	Reading.	No.	Reading.	No.	Reading.	Dry.	Wet.
May 18	7 a.m.												61.4	62.2	55.1
"	8 "												63.5	63.7	56.3
	9												65.8	65.5	54.8
	10												66.0	66.3	55.8
	11												62.1	67.9	55.1
	12 M												62.9	68.5	56.1
	1 P.M.												68.7	69.1	56.0
	2												67.7	68.9	57.7
	3												69.3	71.3	57.0
	4												69.6	70.6	57.2
	5												70.1	71.8	56.7
	6												69.8	71.2	56.6
	7												68.4	69.8	59.7
	8												68.0	69.1	60.0
	9												67.9	69.1	60.6



Station:

Washington D.C. Comparison

DATE.	HOUR.	CIS. BAR.		CIS. BAR.		CIS. BAR.		CIS. BAR.		ANEROID BAR.					
		No.	Reading.	No.	Reading.	No.	Reading.	No.	Reading.	No.	Reading.	No.	Reading.	Dry.	Wet.
May															
18	7am													61.0	54.0
"	8 "													63.0	55.1
	9 "													64.9	54.8
	10													65.3	53.2
	11													66.5	57.1
	12hr													67.5	57.5
	1 Pm													68.7	55.3
	2 "													67.8	55.5
	3 "													69.1	56.5
	4													68.8	56.2
	5													69.8	56.0
	6													69.3	58.8
	7													68.4	58.4
	8													68.1	58.9
	9													68.6	59.6





Station: Washington A.C. Comparison of

DATE.	HOUR.	CIS. BAR.		CIS. BAR.		CIS. BAR.		CIS. BAR.		ANEROID BAR.						
		No.	Attached Ther.	No.	Attached Ther.	No.	Attached Ther.	No.	Attached Ther.	No.	No.	No.	No.	Dry.	Wet.	
		Reading.		Reading.		Reading.		Reading.		Reading.	Reading.	Reading.	Reading.	Reading.		
														1509		
May 19	7 AM													60.4	61.3	52.7
	8													61.1	62.0	53.7
	9													61.8	62.2	53.9
	10													60.4	61.3	54.7
	11													60.7	61.5	55.5
	12 M														61.2	55.5
	1 PM													60.4	61.2	55.5
	2													60.2	62.2	56.2
	3													61.5	62.0	56.1
	4													61.8	62.7	56.2
	5													60.9	61.9	55.8
	6													60.9	62.1	56.3
	7													60.8	61.7	55.8
	8													62.1	64.3	57.8
	9													62.1	63.2	57.9

Standard  
Therm

No. 1811





*of Hygrometers*

, Observer.

HYGROMETER. CLOUDS. WIND. RAIN OR SNOW.

No. 152		No. 153		No. 154		Amount.	Name.	Direction of upper clouds.	Direction.	Force per anemometer.	Force, estimated.	Began.	Ended.	Amount, in inches.	REMARKS.		
Dry.	Wet.	Dry.	Wet.	Dry.	Wet.												
60.2	51.4	60.4	51.6	60.4	51.3											Gedney	
61.2	52.5	61.3	52.6	61.3	52.4												"
61.9	53.2	62.0	53.3	61.9	53.2												"
61.0	52.0	61.3	52.1	61.5	52.3												Lee,
60.6	52.6	60.7	52.7	60.5	52.2												"
60.3	54.5	60.6	54.7	60.6	54.5												Gedney
61.0	54.8	61.1	54.8	61.2	54.6												"
61.3	55.2	61.3	55.2	61.4	55.0												"
61.2	54.8	61.2	54.8	61.6	54.8												Lee.
60.5	54.0	60.6	54.0	60.3	53.6												"
61.2	55.1	61.2	55.1	61.6	55.1												"
60.3	54.4	60.3	54.4	60.2	54.1												Gedney
62.3	56.9	62.4	56.9	62.2	56.6												"
61.3	56.2	61.3	55.9	61.1	55.5												"

May 20<sup>th</sup>  
 Deserial Pen. No 1582  
 Deserial to Mr Gilbert  
 Boston Mass. No 1 to  
 J. H. Clark  
 Care to Mr Clark Hyg's  
 No 152 and No 154  
 Mangatt No 14 Deserial  
 Mangatt Pen 1611 for use