

METEOROLOGICAL JOURNAL,

KEPT BY THE ASSISTANT SECRETARY,

AT THE APARTMENTS OF THE

ROYAL SOCIETY,

BY ORDER OF

THE PRESIDENT AND COUNCIL.

OBSERVANDA.

Height of the Cistern of the Barometer above the plinth at Waterloo Bridge....83 feet 2 inches.

_____ above the mean level of the sea97 feet.

Height of the receiver of the Rain Gauge above the court of Somerset House ..79 feet.

The External Thermometer is 2 feet higher than the Barometer Cistern.

The Thermometers are graduated to Fahrenheit's scale.

The Barometer is divided into inches and tenths.

The Hours of Observation are of Mean Time, the day beginning at Midnight.

The *daily* observations of the Barometer are *not* corrected.

The *monthly means* are corrected for capillarity and temperature by the Table contained in Mr. Baily's paper in *Phil. Trans.* for 1837.

METEOROLOGICAL JOURNAL FOR JULY AND AUGUST, 1838.

1838.	9 o'clock, A.M.			3 o'clock, P.M.			Dew Point at 9 A.M., deg. Fahr.	Diff. of Wet and Dry Bulb Thermometer.	External Thermometers.				Rain in inches. Read off at 9 A.M.	Direction of the Wind at 9 A.M.	REMARKS.	
	Barometer uncorrected.		Att. Ther.	Barometer uncorrected.		Att. Ther.			Fahrenheit.		Self-registering					
	Flint Glass.	Crown Glass.		Flint Glass.	Crown Glass.				9 A.M.	3 P.M.	Lowest	Highest				
JULY	1	29.928	29.922	64.7	29.956	29.950	64.8	57	06.9	62.2	64.3	55.5	67.0	.055	SE	Lightly overcast throughout the day. Evening, Light steady rain.
	M 2	30.048	30.042	67.4	30.044	30.040	66.8	59	01.6	61.8	70.4	57.3	65.7	.500	E	Cloudy—high wind throughout the day. Ev. Overcast—light rain.
	T 3	30.070	30.062	65.2	30.080	30.074	65.0	60	05.1	63.6	62.2	59.7	71.4	.050	NW	Overcast—light steady rain nearly the whole of the day.
	W 4	30.140	30.134	65.6	30.142	30.138	66.2	59	06.8	65.5	69.4	58.2	68.0	.352	S	{ A.M. Overcast—light rain and wind. P.M. Fine—light clouds. Evening, Fine and clear.
	T 5	30.198	30.194	75.0	30.164	30.158	69.4	60	09.6	67.8	73.8	57.6	71.4	.050	E	Fine—nearly cloudless—it. wind throughout the day. Ev. Fine & clear.
	F 6	30.050	30.044	67.6	29.990	29.982	69.3	63	02.9	64.0	73.3	60.2	74.0	.244	SE	{ A.M. Overcast—thunder and lightning, with heavy rain and wind. P.M. Fine—light clouds. Evening, Cloudy—light wind.
	S 7	30.010	30.002	69.3	29.982	29.974	67.4	59	07.6	64.3	66.4	56.7	73.2	.055	S	{ A.M. Fine—light clouds—brisk wind. P.M. Cloudy—light rain and wind. Evening, Overcast.
	8	29.968	29.960	65.7	30.004	30.000	67.6	59	06.4	62.7	70.4	58.0	69.6	.088	SW var.	Overcast—light brisk wind throughout the day.
	M 9	30.182	30.178	70.2	30.166	30.160	69.7	60	08.3	66.2	74.2	59.2	70.6		S	Fine—light clouds & wind throughout the day. Ev. Fine and clear.
	T 10	30.204	30.198	67.8	30.178	30.172	70.7	61	06.5	65.2	73.8	59.2	74.6		SW	{ A.M. Lightly overcast—light wind. P.M. Cloudy—light brisk wind. Evening, Cloudy.
	W 11	30.160	30.154	71.7	30.130	30.124	71.9	61	08.0	69.6	76.6	59.3	74.3		S	Fine—light clouds and wind throughout the day.
	T 12	30.100	30.094	69.3	30.086	30.080	71.7	63	07.1	67.4	73.2	61.4	78.2		S var.	{ A.M. Overcast—light brisk wind. P.M. Cloudy—brisk wind. Evening, Fine & clear.
	F 13	30.030	30.024	75.7	29.896	29.892	71.9	62	08.7	69.7	78.3	60.7	73.6		W	A.M. Cloudy—it. breeze. P.M. Fine—it. clds. Ev. Overcast—it. wind.
	S 14	29.766	29.760	70.6	29.752	29.748	70.8	63	06.4	66.3	64.7	62.5	78.8		SW	A.M. Overcast—very high wind. P.M. Lt. rain & wind. Ev. The same.
	15	29.762	29.756	72.6	29.844	29.838	69.7	60	07.9	65.7	63.8	59.0	68.0	.183	SW var.	A.M. Cloudy—light wind. P.M. Overcast—light rain. Ev. Cloudy.
	M 16	30.096	30.092	77.8	30.156	30.150	70.6	61	08.4	65.2	70.6	55.3	76.7	.111	NW var.	Fine—light clouds—brisk wind throughout the day. Ev. Fine & clear.
	T 17	30.252	30.248	79.6	30.144	30.136	69.6	59	09.2	65.9	67.8	54.3	79.0		S	{ Fine—light clouds and wind throughout the day. Evening, Overcast—light wind.
	W 18	30.116	30.110	67.0	30.226	30.218	69.0	60	06.8	63.8	67.2	60.0	73.5		NW	A.M. Lightly overcast—it. wind. P.M. Fine—it. clouds. Ev. Cloudy.
	T 19	30.266	30.260	70.7	30.150	30.144	70.2	60	09.6	66.8	74.4	57.2	72.8		S var.	Fine—light clouds and wind throughout the day. Ev. Cloudy.
	F 20	30.012	30.004	65.5	30.002	29.996	69.4	59	05.6	62.0	69.8	55.8	74.3	.041	W	{ A.M. Overcast—light wind—rain early. P.M. Fine—light clouds. Evening, Cloudy.
	S 21	30.050	30.046	66.2	30.138	30.132	66.4	55	07.0	59.4	64.0	53.2	71.3	.008	NW	{ A.M. Overcast—light brisk wind—rain during the night. P.M. Fine—light clouds and wind. Evening, Cloudy.
	22	30.200	30.194	74.7	30.184	30.176	65.4	52	08.5	56.0	60.0	52.3	68.4		NW var.	Cloudy—light brisk wind throughout the day. Evening, Fine & clear.
	M 23	30.184	30.176	63.4	30.122	30.114	62.8	53	06.6	58.4	59.7	50.4	61.8		NW	{ A.M. Cloudy—light wind. P.M. Light shower. Evening, Overcast—very light rain and wind.
	T 24	29.988	29.982	66.2	29.994	29.988	64.0	50	06.5	56.4	61.4	53.8	63.3	.022	NW var.	{ Dark heavy clouds, with brisk wind throughout the day. Evening, Cloudy—light wind.
	W 25	30.008	30.002	67.7	30.024	30.016	61.8	53	08.3	59.8	54.2	49.6	62.8		W	A.M. Cloudy—brisk wind. P.M. Overcast—light rain. Ev. Overcast.
	T 26	29.982	29.976	69.9	29.878	29.870	64.3	51	08.7	60.7	63.7	49.7	65.5		NW	{ A.M. Fine—light clouds and wind. P.M. Cloudy—light wind. Ev. Overcast—light rain.
	F 27	29.820	29.816	77.4	29.834	29.826	64.9	54	09.5	60.0	65.3	52.7	66.7	.102	W	{ A.M. Fine—light clouds and high wind. P.M. Cloudy—high wind. Evening, Overcast—very light rain.
	S 28	29.822	29.818	72.8	29.758	29.750	65.8	54	08.5	61.8	65.6	53.3	70.4	.013	NW	{ A.M. Fine—light clouds and wind. P.M. Overcast—light shower. Evening, Overcast—light rain.
	29	29.648	29.644	65.0	29.588	29.584	65.6	56	06.6	60.7	63.6	53.3	68.3	.052	S	A.M. Cldy.—lt. wind. P.M. Overcast—it. rain. Ev. Rainbow—it. rain.
	M 30	29.708	29.702	75.8	29.700	29.694	64.2	55	08.4	61.4	61.4	50.2	71.3	.125	SW var.	A.M. Cloudy—light rain & wind. P.M. Showery. Ev. Overcast.
	T 31	29.884	29.880	74.3	29.898	29.892	64.9	55	08.1	61.7	67.7	50.0	70.5	.208	S	{ Fine—light clouds—brisk wind throughout the day. Evening, Fine and clear.
MEAN.													Sum. 2.259	Mean Barometer corrected		{ 9 A.M. 3 P.M. F. 29.915 .. 29.906 C. 29.907 .. 29.899
AUGUST	W 1	30.058	30.052	70.7	30.022	30.018	67.2	56	08.0	63.7	69.4	53.5	71.5		S	Cloudy—it. breeze throughout the day. Ev. Overcast—it. steady rain.
	T 2	29.844	29.838	64.6	29.766	29.758	65.8	60	06.4	66.6	65.7	59.2	71.0	.133	SW var.	{ A.M. Dark heavy clouds, with brisk wind. P.M. Overcast—it. rain. Evening, Continued light rain.
	F 3	29.738	29.734	67.4	29.756	29.750	67.6	60	06.6	64.7	70.6	58.7	69.0	.061	SW var.	A.M. Cloudy—brisk wind. P.M. Fine—it. clouds & wind. Ev. Overcast—light rain.
	S 4	29.690	29.682	67.6	29.616	29.612	68.2	62	06.8	66.8	68.7	61.7	71.3	.013	S var.	{ A.M. Lightly overcast—brisk wind. P.M. Cloudy—brisk wind. Ev. Overcast—light rain—hall and wind.
	5	29.574	29.566	65.8	29.540	29.536	67.8	59	06.5	63.3	68.7	58.0	70.2	.063	S	{ A.M. Overcast—light brisk wind. P.M. Fine—light clouds—brisk wind. Evening, Overcast—light wind.
	M 6	29.524	29.520	69.7	29.524	29.520	67.3	60	06.2	63.8	65.5	58.8	68.7	.088	S	{ A.M. Dark heavy clouds—high wind. P.M. Fine—it. clouds & wind. Evening, Fine and clear.
	T 7	29.732	29.730	61.7	29.784	29.780	67.8	57	07.0	62.5	65.3	55.0	63.0	.338	W	A.M. Fine—it. clouds—brisk wind. P.M. Overcast—brisk wind. Evening, Overcast—light wind.
	W 8	30.056	30.050	66.0	30.116	30.110	66.0	60	07.0	60.5	66.8	54.0	68.0	.066	W	{ A.M. Overcast—light wind. P.M. Fine—light clouds and wind. Evening, Fine and clear—brisk wind.
	T 9	30.236	30.232	66.2	30.170	30.166	66.0	58	07.2	63.5	67.3	51.0	67.0		SSW	{ A.M. Fine—light clouds. P.M. Overcast—brisk wind. Evening, Fine and clear—brisk wind.
	F 10	30.074	30.070	64.0	30.070	30.066	68.0	60	04.5	63.8	70.2	58.0	69.0		SW var.	Overcast—brisk wind throughout the day.
	S 11	30.096	30.092	67.0	30.100	30.096	68.0	62	06.2	68.4	72.2	62.0	72.0		W var.	{ A.M. Overcast—brisk wind. P.M. Fine—light clouds—brisk wind. Evening, Overcast—brisk wind.
	12	30.120	30.116	69.0	30.080	30.076	69.0	63	05.8	67.0	75.5	61.0	72.5		SW	{ A.M. Overcast—light wind. P.M. Fine—light clouds—brisk wind. Evening, The like.
	M 13	30.094	30.090	67.9	30.110	30.104	71.0	63	05.6	65.0	70.9	62.0	75.6		W	{ A.M. Overcast—light wind. P.M. Fine—light clouds—brisk wind. Evening, The like.
	T 14	30.262	30.260	70.2	30.190	30.186	67.2	56	05.8	60.6	67.5	51.0	71.0		NW	Fine—light clouds and wind throughout the day.
	W 15	30.158	30.152	69.7	30.154	30.150	67.4	58	07.4	61.2	65.4	53.0	68.5		N	{ A.M. Fine—light clouds—brisk wind. P.M. Overcast—brisk wind. Evening, Fine—light clouds—brisk wind.
	T 16	30.146	30.142	66.1	30.076	30.070	66.0	58	05.1	62.0	69.4	53.5	67.0		WSW	{ A.M. Overcast—light wind. P.M. Fine—light clouds and wind. Evening, Overcast.
	F 17	30.190	30.184	63.0	30.206	30.202	63.2	55	05.6	58.0	61.7	55.0	70.0		NNE	Overcast—light wind throughout the day. Evening, Rain.
	S 18	30.254	30.250	64.3	30.206	30.200	65.5	60	03.9	62.5	69.9	58.0	62.5	.044	WSW	Overcast throughout the day.
	19	30.012	30.008	66.2	29.904	29.900	67.0	62	06.5	67.4	67.8	59.5	70.6		W	{ A.M. Fine—light clouds and wind. P.M. Overcast—light rain—brisk wind. Evening, Light clouds—brisk wind.
	M 20	29.832	29.826	65.0	29.708	29.704	66.0	57	04.8	61.2	67.2	60.6	73.0	.008	SW	{ A.M. Overcast—it. wind. P.M. Fine—it. clds. Ev. Overcast—it. wind. Evening, High wind, with occasional showers during the day.
	T 21	29.358	29.354	69.2	29.384	29.380	67.0	60	05.6	65.5	65.5	59.5	69.0		W var.	{ Overcast—high wind, with occasional showers throughout the night. High wind, with rain during the night.
	W 22	29.252	29.248	64.2	29.242	29.238	65.0	55	06.5	60.2	62.0	54.2	69.0	.050	WSW	{ A.M. Fine—it. clds—brisk wind—it. thunder & lightning, with rain & h. wind. Fine—it. clds. rest of the day. Ev. Cldy.—lt. wind—rain during night.
	T 23	29.468	29.464	63.0	29.568	29.564	64.0	56	05.4	59.0	64.5	54.5	65.0	.088	NNW	Overcast—it. brisk wind throughout the day.
	F 24	29.966	29.960	63.0	30.012	30.008	65.0	57	06.0	59.0	61.5	51.2	65.0	.019	NNW	Overcast—it. brisk wind throughout the day.
	S 25	30.102	30.096	64.0	30.052	30.048	62.2	54	03.9	57.0	60.0	49.7	63.5		WSW	Overcast—light wind, with occasional rain throughout the day.
	26	30.108	30.102	64.0	30.092	30.088	64.3	58	04.0	60.2	68.6	54.0	65.5	.066	NW	A.M. Overcast. P.M. Fine—light clouds—brisk wind. Ev. The like.
	M 27	30.132	30.128	65.0	30.114	30.108	66.0	60	04.0	68.0	75.0	60.0	69.0	.013	NW	Fine—light clouds and wind throughout the day.
	T 28	30.086	30.080	66.5	29.948	29.944	69.0	65	03.0	67.0	73.0	64.0	76.0		SSW	{ A.M. Lightly overcast—light fog. P.M. Fine—light clouds. Evening, Fine—light clouds and wind.
	W 29	29.830	29.826	68.5	30.014	30.010	66.0	60	06.0	62.4	59.5	61.0	76.0		N var.	Fine and clear—brisk wind throughout the day.
	T 30	30.190	30.186	63.5	30.134	30.130	63.0	51	05.0	55.4	65.3	46.5	62.5		N	Fine—light clouds and wind throughout the day.
	F 31	30.190	30.186	63.4	30.126	30.120	64.0	55	05.0	60.6	68.4	50.3	65.8		WNW	Fine—light clouds and wind throughout the day.
MEAN.													Sum. 1.050	Mean Barometer corrected		{ 9 A.M. 3 P.M. F. 29.851 .. 29.831 C. 29.846 .. 29.825

The observations for the month of August were not taken by the Assistant Secretary, on account of absence.

METEOROLOGICAL JOURNAL FOR SEPTEMBER AND OCTOBER, 1838.

1838.	9 o'clock, A.M.			3 o'clock, P.M.			Dew Point at 9 A.M., deg. Fahr.	Diff. of Wet and Dry Bulb Ther.	External Thermometers.				Rain in inches, Read off at 9 A.M.	Direction of the Wind at 9 A.M.	REMARKS.		
	Barometer uncorrected.		Att. Ther.	Barometer uncorrected.		Att. Ther.			Fahrenheit.		Self-registering						
	Flint Glass.	Crown Glass.		Flint Glass.	Crown Glass.				9 A.M.	3 P.M.	Lowest	Highest					
SEPTEMBER	S 1	30.108	30.102	62.2	30.070	30.066	64.0	56	04.5	61.0	67.5	54.0	69.5	.030	W	A.M. Lightly overcast. P.M. Fine—light clouds. Ev. The same.	
	2	30.140	30.136	63.0	30.142	30.136	64.4	55	06.0	61.5	65.2	57.0	68.5		NW	A.M. Overcast. P.M. Fine—light clouds. Evening, The same.	
	M 3	30.190	30.186	62.6	30.128	30.122	64.0	53	05.0	60.0	66.5	53.0	68.0		SW	A.M. Lightly overcast. P.M. Fine—light clouds. Evening, The same, with light wind.	
	T 4	29.998	29.994	65.5	29.854	29.850	65.0	55	04.2	59.0	67.2	52.0	69.0		SSW	A.M. Overcast—lt. fog. P.M. Fine—lt. clds.—brisk wind. Ev. The same.	
	W 5	29.612	29.608	65.2	29.516	29.512	65.2	61	04.8	64.0	68.7	59.8	69.0		S	A.M. Overcast—brisk wind. P.M. Fine—light clouds—high wind. Evening, The same.	
	T 6	29.290	29.286	63.6	29.272	29.268	65.0	59	02.2	59.2	64.2	58.0	69.0		SSW	A.M. Overcast—rain early. P.M. Dark heavy clouds—brisk wind. Evening, Overcast—brisk wind.	
	F 7	29.344	29.340	64.5	29.332	29.328	65.0	60	05.5	63.5	66.0	57.4	64.5		.050	S	A.M. Heavy clouds—light brisk wind. P.M. Lightly overcast—brisk wind. Evening, Heavy shower—brisk wind.
	S 8	29.640	29.636	60.0	29.780	29.776	61.0	51	03.0	52.0	55.2	52.0	68.0		.036	NNE	Overcast—brisk wind throughout the day.
	9	30.220	30.214	57.0	30.262	30.258	58.5	46	03.5	51.5	58.3	44.5	56.0			SW	Overcast—light fog and wind throughout the day.
	M 10	30.406	30.400	57.0	30.414	30.408	58.0	49	04.0	51.5	58.4	46.5	59.5			NW	Overcast—light fog and wind throughout the day.
	T 11	30.548	30.544	55.5	30.510	30.504	56.2	47	02.0	48.7	59.3	45.0	59.5			NW	Lightly overcast, with light fog throughout the day.
	W 12	30.500	30.496	56.5	30.404	30.400	57.0	50	03.0	53.2	64.5	47.5	60.0			SW	A.M. Overcast. P.M. Fine—light clouds the remainder of the day.
	T 13	30.328	30.324	58.0	30.252	30.248	59.0	53	03.7	57.8	63.2	51.5	65.0			W	Overcast throughout the day.
	F 14	30.146	30.142	60.2	30.100	30.096	60.0	55	05.0	61.0	64.4	52.5	64.0			SW	Lightly overcast, with light wind nearly the whole of the day.
	S 15	30.088	30.084	60.0	30.050	30.042	61.8	59	02.0	59.5	65.2	59.0	65.0			NW	Overcast—light fog and wind. Evening, Fine and clear.
	16	30.078	30.072	61.4	30.028	30.020	61.2	55	06.0	55.8	66.7	50.8	65.2			N	A.M. Light fog and wind. P.M. Fine—light clouds. Ev. Cloudy.
	M 17	30.072	30.066	60.6	30.042	30.034	62.7	55	04.5	59.3	64.9	55.3	67.7			NNE	Fine—light clouds and wind nearly the whole of the day. Ev. Cloudy.
	T 18	30.056	30.050	59.9	30.006	30.000	61.3	54	05.7	57.3	59.5	52.4	67.8			NE	Cloudy—light brisk wind nearly the whole of the day. Ev. Overcast.
	W 19	29.948	29.940	58.7	29.886	29.880	59.6	53	03.1	54.4	57.4	54.6	60.4			NNW	Overcast—very light rain and wind throughout the day.
	T 20	29.858	29.850	60.2	29.852	29.844	60.9	54	04.6	57.6	61.4	54.6	58.6		.022	SW	A.M. Overcast—light rain and wind. P.M. Cloudy. Ev. Fine & clear.
	F 21	29.850	29.846	58.2	29.848	29.840	59.8	49	03.0	50.7	59.3	46.3	63.8			S	A.M. Light fog and wind. P.M. Fine—light clouds and wind. Evening, Fine starlight night.
	S 22	30.000	29.992	58.3	29.968	29.960	57.8	50	04.7	53.7	60.4	42.8	60.2			SSW	A.M. Fine—light fog and wind. P.M. Fine—light clouds and wind. Evening, Cloudy.
	23	29.918	29.910	57.3	29.892	29.886	60.2	54	05.3	57.6	63.5	52.7	60.6			S	A.M. Overcast—very lt. rain. P.M. Overcast—brisk wind. Ev. Fine rain.
	M 24	29.918	29.910	57.9	29.826	29.818	57.9	53	04.2	54.7	53.3	51.0	63.7		.038	N	A.M. Overcast—very light rain and wind. P.M. Light steady rain—high wind. Evening, The same.
	T 25	29.820	29.814	56.9	29.836	29.830	57.9	52	02.7	51.6	55.2	50.4	56.3		.750	W	Overcast, with occasional light mist nearly the whole of the day. Evening, Cloudy.
	W 26	29.988	29.980	55.2	29.980	29.972	57.0	52	01.7	48.8	57.7	47.3	55.3			SSW	A.M. Thick fog. P.M. Overcast. Evening, Light fog.
	T 27	29.864	29.856	56.5	29.852	29.846	56.7	53	00.9	52.6	53.8	49.2	58.3		.116	NW	A.M. Overcast—light rain and wind. P.M. Overcast—brisk wind. Evening, Fine starlight night.
	F 28	30.000	29.996	54.4	30.004	29.996	55.7	47	01.9	46.3	60.2	45.0	54.7		.783	S	A.M. Thick fog—deposition. P.M. Fine—nearly cloudless. Evening, Cloudy.
	S 29	30.016	30.010	55.9	30.016	30.010	56.7	53	02.9	56.3	58.2	46.5	61.0			N	Overcast—very fine rain nearly the whole of the day.
	30	30.200	30.192	57.6	30.218	30.212	59.0	53	03.1	57.8	60.4	56.4	59.2		.050	NW	Lightly overcast nearly the whole of the day. Evening, Light fog.
	MEAN.	30.005	29.999	59.3	29.978	29.965	60.3	53.2	03.8	55.9	61.5	51.5	62.6		Sum. 2.247		Mean Barometer corrected { 9 A.M. 3 P.M. F. 29.923 .. 29.897 C. 29.920 .. 29.883
OCTOBER	M 1	30.338	30.332	56.3	30.308	30.300	57.2	52	02.4	51.8	56.5	52.6	60.6	.075	NW	Overcast—brisk wind throughout the day. Evening, Cloudy.	
	T 2	30.356	30.350	56.4	30.360	30.352	58.4	52	03.4	55.4	59.7	52.2	57.6		N	A.M. Overcast—brisk wind. P.M. Cloudy—brisk wind. Evening, Fine—light clouds.	
	W 3	30.428	30.420	55.5	30.394	30.386	56.6	50	04.5	55.7	60.6	47.8	60.4		NE	Fine and cloudless—brisk wind throughout the day. Ev. Fine & clear.	
	T 4	30.394	30.388	54.3	30.362	30.354	56.0	48	03.1	51.0	58.5	53.2	61.2		N	Fine—light clouds & wind throughout the day. Ev. Fine & clear.	
	F 5	30.352	30.346	52.7	30.334	30.326	54.3	48	02.7	49.7	56.3	46.6	58.8		N	A.M. Overcast—brisk wind. P.M. Fine and cloudless. Ev. Cloudy.	
	S 6	30.372	30.366	52.3	30.354	30.346	53.4	45	04.0	49.8	53.7	46.9	56.6		NNE	A.M. Cloudy—light wind. P.M. Fine—light clouds and wind. Evening, Cloudy.	
	7	30.372	30.364	53.8	30.318	30.312	55.6	47	03.1	51.4	53.4	49.2	54.5		NNW	Overcast—brisk wind, with occasional fine rain nearly the whole of the day.	
	M 8	30.352	30.346	52.9	30.332	30.324	54.6	47	05.0	52.0	54.7	48.8	54.9		NW	Cloudy—light wind throughout the day. Evening, Very fine rain.	
	T 9	30.360	30.352	53.3	30.296	30.288	55.0	48	03.5	52.4	57.2	49.0	55.7		NW	Cloudy—light brisk wind throughout the day.	
	W 10	30.230	30.224	53.4	30.158	30.152	54.5	47	03.9	51.3	53.7	50.0	57.6		WNW	Overcast—light fog and wind nearly the whole day. Ev. Cloudy.	
	T 11	29.996	29.990	53.7	29.788	29.782	55.8	48	03.4	52.8	58.5	49.9	54.3		SSW	A.M. Cloudy—light wind. P.M. Fine—light clouds and wind. (Sudden fall of the Barom.) Evening, Cloudy—high wind.	
	F 12	29.652	29.648	53.5	29.650	29.644	53.8	44	04.9	46.2	47.4	42.8	59.7		W	Fine—nearly cloudless—brisk wind the whole day. High wind during night. Ev. Fine and clear.	
	S 13	29.762	29.754	47.4	29.810	29.802	49.4	39	03.1	39.4	39.8	36.4	50.3		W	A.M. Fine & cloudless—lt. wind. Sharp frost during night. P.M. Overcast—very light rain and wind throughout the day. Evening, Continued lt. rain, with high wind.	
	14	29.904	29.896	45.3	29.766	29.758	46.9	38	03.9	41.4	47.3	32.8	45.0		S	A.M. Fine—lt. clouds and wind. P.M. Cloudy—lt. wind. Ev. Cloudy.	
	M 15	29.574	29.568	48.7	29.626	29.618	50.3	43	04.6	51.8	54.9	40.4	53.8		.075	W	A.M. Fine—lt. clouds and wind. P.M. Cloudy—lt. wind. Ev. Cloudy.
	T 16	29.614	29.612	52.6	29.546	29.542	54.6	48	03.8	55.7	60.4	48.8	59.7		SW var.	A.M. Overcast—high wind. P.M. Cloudy—high wind. Evening, Overcast—light rain—high wind.	
	W 17	29.292	29.288	55.3	29.358	29.352	57.2	50	03.5	54.5	57.3	53.5	61.0		.125	S	Fine—light clouds and wind throughout the day. High wind throughout the night. Evening, Fine and starlight.
	T 18	30.054	30.048	51.7	30.014	30.008	53.5	41	03.8	46.2	52.7	42.0	59.3		SW var.	A.M. Fine & cloudless—lt. wind. P.M. Overcast—lt. rain & wind. Ev. The like, with high wind. [lt. wind. Ev. Cloudy.]	
	F 19	29.910	29.902	54.5	30.028	30.022	55.7	50	03.6	57.8	57.3	46.2	58.4		.033	SW var.	A.M. Dark heavy clouds—high wind. P.M. Fine—nearly cloudless—A.M. Overcast—very fine rain—light wind. P.M. Fine—lt. clouds and wind. Evening, Fine and starlight.
	S 20	30.088	30.080	55.0	30.138	30.130	57.5	51	03.4	57.8	62.3	54.0	59.3			SW	Overcast—light mist nearly the whole of the day.
	21	30.296	30.292	55.3	30.254	30.250	57.0	52	03.6	55.8	60.5	48.4	63.5			S	A.M. Overcast—light wind. P.M. Cloudy the remainder of the day.
	M 22	30.156	30.150	56.8	30.094	30.088	58.3	52	04.0	57.4	59.9	55.7	61.2			SE	Overcast—light wind throughout the day. Rain at night.
	T 23	29.960	29.952	57.0	29.874	29.868	58.3	53	04.1	56.7	56.8	54.8	61.0			S	Fine—lt. clds. nearly the whole day. Ev. Cloudy, with occasional rain.
	W 24	29.740	29.736	57.4	29.842	29.836	58.5	52	03.3	55.0	58.2	53.7	58.6		.083	S	Dark heavy clds. nearly the whole day. Ev. The like with high wind.
	T 25	30.118	30.110	55.6	30.054	30.048	57.3	50	02.5	50.7	57.3	46.0	59.9		.013	SW	A.M. Dark heavy clouds—brisk wind. High wind throughout the night. P.M. Fine—light clouds & wind. Ev. Fine & clear.
	F 26	29.780	29.774	56.6	29.848	29.842	57.9	52	03.7	57.3	57.9	49.0	58.2			SW	A.M. Fine—lt. clds. & wind. P.M. Dark heavy clds.—h. wind. Ev. Cloudy—lt. rain—high wind. [P.M. Overcast, Ev. Steady rain.]
	S 27	29.922	29.914	53.2	29.762	29.756	55.3	47	03.9	49.7	55.4	41.3	59.3			W	A.M. Fine—lt. clouds & wind. Heavy rain—high wind during night.
	28	29.598	29.592	54.7	29.536	29.532	55.0	48	02.2	51.6	52.5	41.2	56.6		.488	S	A.M. 3 to 5 1/2, a hurricane, with fine starlight morn. after which the wind somewhat abated—rest of the day fine & clear. Ev. The same.
	M 29	29.356	29.350	53.6	29.550	29.544	54.4	47	04.7	49.2	51.4	43.7	57.2		.330	SW var.	Fine and cloudless—light wind throughout the day. Ev. Cloudy.
	T 30	29.746	29.740	50.9	29.722	29.716	52.6	44	03.1	46.3	51.4	40.0	52.7			E	A.M. Overcast—light steady rain & wind. P.M. Cloudy. Ev. Cloudy.
	W 31	29.824	29.816	49.6	29.812	29.804	49.5	43	00.5	43.3	43.3	40.0	52.0		.213	N	
MEAN.	29.993	29.990	53.5	29.977	29.970	55.0	47.6	03.5	51.5	55.1	47.0	57.4	Sum. 1.360		Mean Barometer corrected { 9 A.M. 3 P.M. F. 29.930 .. 29.910 C. 29.926 .. 29.902		

METEOROLOGICAL JOURNAL FOR NOVEMBER AND DECEMBER, 1838.

1838.	9 o'clock, A.M.			3 o'clock, P.M.			Dew Point at 9 A.M., deg. Fahr.	Diff. of Wet and Dry Bulb Thermometer.	External Thermometers.				Rain in inches. Read off at 9 A.M.	Direction of the Wind at 9 A.M.	REMARKS.		
	Barometer uncorrected.		Att. Ther.	Barometer uncorrected.		Att. Ther.			Fahrenheit.		Self-registering						
	Flint Glass.	Crown Glass.		Flint Glass.	Crown Glass.				9 A.M.	3 P.M.	Lowest	Highest					
NOVEMBER	T 1	29.420	29.416	48.3	29.300	29.294	49.3	42	03.5	48.7	47.7	39.6	49.2	.383	W	{ A.M. Cloudy—light wind—heavy rain early. P.M. Fine—light clouds. Evening, Fine and clear.	
	○ F 2	29.358	29.352	46.2	29.250	29.246	47.6	40	02.7	41.7	46.8	38.7	51.0	.077	S	{ A.M. Fine—light clouds with occasional rain. P.M. Fine—light clouds and wind. Evening, Cloudy—light rain.	
	S 3	29.464	29.458	44.8	29.300	29.246	45.9	38	02.6	39.8	45.5	36.4	48.2	.038	SSW	{ Overcast—lt. brisk wind throughout the day. Ev. Light steady rain.	
	⊙ 4	28.848	28.844	45.9	28.800	28.796	48.0	41	03.2	45.6	49.5	40.6	47.9	.133	S	{ A.M. Cloudy—light fog and wind. Light rain, with rainbow. Evening, Overcast—very light rain.	
	M 5	29.156	29.150	46.8	29.306	29.300	47.9	42	02.4	46.4	49.4	40.7	51.2	.050	SW	{ Overcast—light rain & wind throughout the day. Ev. The same.	
	T 6	29.722	29.716	45.8	29.710	29.704	46.8	38	01.8	40.4	48.3	38.9	50.3		W	{ A.M. Fine and cloudless—light fog and wind. P.M. Fine—light clouds. Evening, Rain, with very high wind.	
	W 7	29.462	29.456	48.8	29.424	29.416	51.9	45	02.2	53.7	56.7	40.9	54.4	.166	SE var.	{ A.M. Overcast—lt. rain—high wind. Very high wind during the night. P.M. Fine—lt. clouds & wind. Ev. Light rain—high wind.	
	T 8	29.554	29.550	51.6	29.534	29.528	52.2	46	03.3	50.4	53.8	49.3	57.7	.011	SW var.	{ A.M. Fine & cloudless—lt. wind. P.M. Cloudy. Ev. Overcast—lt. rain.	
	F 9	29.370	29.364	50.8	29.438	29.432	51.4	45	02.4	46.3	49.8	46.3	54.7	.250	WNW	{ A.M. Overcast—light rain and wind. P.M. Fine—light clouds & wind. Evening, Fine and starlight.	
	S 10	29.708	29.702	47.4	29.746	29.740	48.3	42	02.9	43.8	46.8	39.5	50.3	.061	SW	{ A.M. Fine—light clouds and wind. P.M. Cloudy. Ev. Fine & starlight.	
	⊙ 11	29.654	29.648	44.3	29.604	29.600	44.2	36	01.2	33.4	40.5	33.6	48.0		W	{ A.M. Thick fog—lt. wind. P.M. Overcast—very lt. rain. Ev. Ditto.	
	M 12	30.096	30.090	41.7	30.176	30.168	43.4	35	02.8	37.9	45.0	37.3	41.6		N	{ Fine—light clouds and wind throughout the day. Ev. Fine & clear.	
	T 13	30.424	30.416	40.8	30.384	30.378	42.4	36	02.6	37.9	46.8	35.7	46.6		N	{ Fine and cloudless—light wind throughout the day. Evening, Fine and starlight.	
	W 14	30.250	30.242	39.9	30.134	30.126	41.8	34	01.7	37.8	45.2	35.3	47.7		N	{ Fine and cloudless—light fog with brisk wind nearly the whole of the day. Evening, Overcast—deposition.	
	T 15	29.924	29.918	42.3	29.816	29.808	43.0	38	01.5	42.0	44.4	38.2	46.7		E	{ Thick fog—deposition throughout the day. Evening, Overcast.	
	F 16	29.698	29.694	44.8	29.658	29.652	45.6	41	02.1	43.7	46.3	41.8	45.2		E	{ Overcast—light fog and wind nearly the whole day. Ev. Thick fog.	
	⊙ S 17	29.746	29.740	44.7	29.720	29.714	45.4	38	01.5	41.8	45.8	41.0	46.7		S	{ Light fog throughout the day. Ev. Overcast—light steady rain.	
	⊙ 18	29.632	29.624	45.2	29.650	29.646	46.0	40	01.0	43.7	44.6	42.0	46.7	.261	N	{ Overcast—lt. rain and wind throughout the day. Ev. Continued rain.	
	M 19	29.566	29.560	44.8	29.480	29.474	43.7	39	00.5	40.0	38.7	40.8	45.0	.327	NE	{ Overcast—light rain—high wind throughout the day. Ev. The like.	
	T 20	29.656	29.650	41.9	29.668	29.660	42.3	36	02.1	38.8	39.8	37.8	39.8	.116	NNE	{ Overcast—high wind throughout the day. Evening, The same.	
	W 21	29.410	29.404	40.9	29.324	29.320	41.3	36	01.0	38.7	40.3	36.4	40.7		NE	{ Overcast—brisk wind throughout the day. Evening, Light rain.	
	T 22	29.166	29.160	42.7	29.212	29.206	44.7	40	00.8	44.4	47.3	38.4	45.3	.122	NE	{ A.M. Overcast—light fog—rain & wind. P.M. Cloudy. Evening, The same.	
	F 23	29.514	29.506	44.9	29.528	29.524	45.0	40	02.0	43.7	45.7	42.7	47.5	.033	NE	{ A.M. Cloudy—lt. brisk wind. P.M. Overcast. Ev. Light fog.	
	S 24	29.568	29.562	41.8	29.636	29.632	41.7	35	03.1	38.8	38.7	37.6	44.3		NNE	{ Overcast—brisk wind throughout the day. Evening, Fine & clear—sharp frost.	
	⊙ 25	29.994	29.986	37.9	30.004	30.000	38.0	34	02.1	33.3	38.0	32.4	39.6		N	{ A.M. Light fog. P.M. Overcast. Ev. Fine and clear—sharp frost.	
	M 26	29.880	29.874	36.2	29.888	29.882	38.7	28	02.0	32.7	32.4	32.5	37.8		E	{ A.M. Cloudy—brisk wind—sharp frost. P.M. Fine—nearly cloudless—light wind. Ev. Fine and clear—sharp frost.	
	T 27	29.490	29.484	34.6	29.254	29.250	35.4	30	id. fr.	33.8	36.3	30.0	34.3		ENE	{ Lightly overcast—brisk wind throughout the day. Ev. Light rain.	
	W 28	29.040	29.036	38.2	28.650	28.644	40.2	35	01.5	41.8	46.7	33.8	42.5	.041	E	{ A.M. Cloudy—light rain and wind. P.M. Overcast—high wind. Evening, Light rain with very high wind.	
	T 29	29.658	29.654	46.3	28.678	28.674	47.3	42	02.2	48.7	50.3	41.8	51.7	.216	S	{ Cloudy—very high wind, with rain nearly the whole day. At 4 to 10 p.m. thunder & lightning, with rain & very high wind.	
	F 30	28.958	28.952	46.8	29.158	29.150	48.2	42	02.3	47.6	51.3	46.4	52.0	.450	SE	{ A.M. Fine and serene, with light wind. Ev. Fine & clear. At 4 p. 12 o'clock, very heavy hail storm, accompanied with high wind.	
	MEAN.	29.580	29.577	43.9	29.514	29.507	44.9	38.5	02.1	41.9	45.3	38.9	46.8	Sum. 2.735		Mean Barometer corrected { 9 A.M. 3 P.M. F. 29.543 .. 29.475 C. 29.539 .. 29.467	
	DECEMBER	○ S 1	29.552	29.544	47.2	29.520	29.514	48.4	42	01.3	46.7	51.2	45.2	52.0		S	{ A.M. Fine—light clouds and wind. P.M. Overcast—light wind. Rain, with very high wind.
		⊙ 2	29.464	29.458	50.8	29.484	29.476	51.6	46	02.9	52.7	52.6	46.2	53.2	.144	S	{ A.M. Fine—lt. clou. & wind. P.M. Over—lt. rain & wind. Ev. Over. 1/2 before 11, Thunder & lightning, with heavy rain & high wind.
M 3		29.464	29.456	49.3	29.442	29.436	49.9	44	01.9	46.7	49.7	46.0	55.0	.577	S	{ Fine & cloudless—lt. wind throughout the day. Ev. Fine & clear.	
T 4		29.564	29.556	47.6	29.610	29.602	48.4	41	01.3	42.2	47.6	42.5	48.8		SW	{ A.M. Fine & cloudless—light fog. P.M. Cloudy. Evening, Fine & starlight night.	
W 5		29.834	29.828	45.2	29.928	29.922	46.3	40	01.5	40.9	45.8	38.9	48.6		W	{ A.M. Overcast—light fog—deposition. P.M. Fine—light clouds & wind. Evening, Overcast.	
T 6		30.256	30.250	45.3	30.286	30.278	45.9	36	02.4	41.8	42.7	40.8	47.2	.022	S	{ A.M. Light fog. P.M. Fine—light clouds & wind. Ev. Overcast.	
F 7		30.256	30.248	45.9	30.274	30.266	46.7	43	01.5	47.7	47.3	40.5	48.6	.158	NW	{ Overcast—light rain throughout the day. Evening, Fine and clear.	
S 8		30.362	30.354	43.3	30.368	30.360	43.7	37	02.7	38.8	42.2	37.6	48.7	.102	NW	{ Fine—very light clouds and wind throughout the day. Evening, Fine and clear.	
⊙ 9		30.412	30.404	40.3	30.370	30.364	41.5	33	01.5	33.8	37.4	32.9	41.0		NW	{ A.M. Thick fog—deposition—light wind. P.M. Overcast. Evening, Thick fog—sharp frost.	
M 10		30.280	30.272	38.4	30.208	30.200	38.8	32	02.0	33.7	38.7	30.0	38.3		NW	{ Overcast—light fog nearly the whole of the day. Evening, Fine & starlight.	
T 11		30.288	30.282	39.2	30.316	30.308	39.9	34	01.8	39.9	43.7	33.7	40.6		SW	{ Thick fog, with light wind throughout the day. Ev. Overcast.	
W 12		30.342	30.334	40.9	30.300	30.292	41.7	36	02.2	41.3	44.2	39.6	44.3		SW	{ Overcast—light fog throughout the day, as also the evening.	
T 13		30.326	30.320	42.2	30.330	30.322	42.9	38	02.2	43.2	45.8	41.6	44.7		S	{ Overcast—light fog throughout the day, as also the evening.	
F 14		30.410	30.402	44.7	30.384	30.376	45.2	38	02.2	42.8	45.8	42.8	45.9		NW	{ A.M. Thick fog. P.M. Fine—light clouds and wind. Ev. Light fog.	
S 15		30.366	30.358	44.2	30.318	30.310	44.6	38	02.0	40.6	41.8	41.0	46.2		ENE	{ A.M. Overcast—light rain and wind. P.M. Fine—light clouds. Evening, Fine and starlight.	
⊙ 16		30.360	30.352	41.8	30.358	30.350	42.0	33	01.7	38.4	39.2	38.2	43.3		E	{ A.M. Cloudy—light wind. P.M. Overcast. Evening, Light fog.	
● M 17		30.366	30.360	40.5	30.332	30.324	40.3	34	02.4	35.6	35.8	35.4	39.8		SE	{ Overcast—brisk wind throughout the day, as also the evening.	
T 18		30.316	30.308	39.2	30.280	30.272	39.8	32	02.5	35.3	35.3	34.9	36.6		SSE	{ Overcast—light wind, with sharp frost throughout the day, as also the evening.	
W 19		30.224	30.218	37.8	30.172	30.164	38.2	30	02.1	34.6	37.5	33.4	36.3		SSE	{ Overcast—light wind throughout the day. Ev. Fine & clear.	
T 20		30.192	30.184	37.6	30.206	30.200	38.9	32	01.8	36.7	41.7	34.9	37.3		S	{ A.M. Cloudy—thick fog. P.M. Fine—light clouds. Ev. Fine & starlight.	
F 21		30.364	30.358	40.9	30.354	30.346	40.6	35	00.8	35.8	36.7	35.7	36.7		SE	{ Overcast—light brisk wind throughout the day, as also the evening.	
S 22		30.104	30.096	39.3	30.016	30.010	39.4	33	01.9	35.8	38.0	34.2	38.3		S	{ A.M. Lightly overcast—light wind. P.M. Overcast—light rain. Evening, Continued rain.	
⊙ 23		29.572	29.568	41.2	29.444	29.438	42.0	36	02.0	42.8	43.8	36.0	43.7	.311	E	{ Overcast—very light rain and wind nearly the whole of the day. Evening, Overcast—light wind.	
M 24		29.310	29.304	42.9	29.274	29.268	42.9	37	01.5	41.8	39.2	41.8	44.4	.047	E	{ Ditto ditto. Evening, Overcast.	
T 25		29.658	29.650	40.6	29.814	29.810	41.2	32	02.1	34.5	35.8	34.2	35.7	.016	NW	{ Fine—light clouds throughout the day. Evening, Fine and clear. Sharp frost during the night.	
W 26		29.918	29.914	36.2	29.734	29.728	37.2	27	01.0	29.7	38.2	29.8	34.8		S	{ A.M. Light fog. P.M. Over—very lt. rain. Ev. Lt. rain, with h. wind.	
T 27		29.662	29.654	37.9	29.776	29.770	39.2	31	01.5	34.8	41.7	30.0	39.2	.147	SW	{ Fine—light clouds throughout the day. Evening, Fine and clear. Sharp frost during the night.	
F 28		30.230	30.222	37.4	30.298	30.292	38.2	31	01.3	33.8	40.6	33.8	40.8		W	{ A.M. Fine—lt. fog—white frost. P.M. Fine—lt. clouds & wind. Ev. A.M. Cloudy—light rain & wind. P.M. Cloudy—light wind.	
S 29		30.222	30.216	37.4	30.196	30.188	39.3	33	02.2	39.9	43.7	33.8	40.8		S	{ A.M. Cloudy—light rain & wind. P.M. Cloudy—light wind. Evening, Overcast—very light rain.	
⊙ 30		30.152	30.146	42.5	30.066	30.058	44.4	38	01.0	47.4	49.7	40.2	48.2	.033	S	{ Overcast—very light rain and wind nearly the whole of the day, as also the evening.	
○ M 31		30.496	30.490	42.6	30.534	30.528	42.8	35	01.7	36.8	41.7	36.2	50.7	.044	WNW	{ Fine—light clouds and wind throughout the day. Ev. Fine & clear.	
MEAN.		30.075	30.068	41.9	30.064	30.057	42.6	35.7	01.8	39.6	42.4	37.5	43.5	Sum. 1.601		Mean Barometer corrected { 9 A.M. 3 P.M. F. 30.042 .. 30.030 C. 30	

Note.—At half-past Two A.M. of the 29th of November, the Barometer stood 28.600 F., 28.594 C., at which time there was a severe gale, accompanied with thunder and lightning. After Three the sky cleared, but wind still raging; and at Four, again overcast, with rain.