

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 sea 97 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, 1840.

Table with columns for date, time (9 o'clock A.M., 3 o'clock P.M.), barometer (uncorrected, Flint Glass, Crown Glass, Att. Ther.), dew point, wind direction, external thermometers (Fahrenheit, Self-registering), rain, and remarks. Includes monthly and daily mean barometer readings for July and August 1840.

METEOROLOGICAL JOURNAL FOR SEPTEMBER AND OCTOBER, 1840.

1840.	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.			Barometer uncorrected.					Fahrenheit.		Self-registering						
	Flint Glass.	Crown Glass.	Att. Ther.	Flint Glass.	Crown Glass.	Att. Ther.			9 A.M.	3 P.M.	Lowest	Highest					
SEPTEMBER	T 1	30.034	30.026	66.7	29.904	29.896	69.7	63	04.0	65.9	74.0	54.3	72.9		N	{A.M. Cloudy—light wind. P.M. Fine—nearly cloudless—light wind. Evening, Fine and starlight.	
	W 2	29.756	29.748	77.9	29.674	29.668	71.6	66	06.8	69.8	70.7	63.9	76.2		S	{A.M. Fine—nearly cloudless. P.M. Fine—light clouds and wind. Evening, Overcast—heavy rain.	
	T 3	29.664	29.656	66.8	29.748	29.740	68.2	61	06.0	60.3	62.7	56.3	75.7	.236	W	{A.M. Overcast—lt. wind—rain early. P.M. Fine—lt. clouds and wind. Ev. Fine & starlight. {Fine and starlight.	
	F 4	29.826	29.818	69.7	29.826	29.818	65.3	58	07.2	61.8	60.4	52.6	64.2		W	{A.M. Cloudy—light wind. P.M. Cloudy—light rain and wind. Ev. {A.M. Light haze and wind. P.M. Cloudy—light wind. Evening, {Fine and starlight.	
	S 5	30.012	30.004	66.3	30.042	30.034	65.3	57	05.7	60.0	65.2	51.2	64.8	.122	S	{A.M. Fine—nearly cloudless. P.M. Fine—light clouds. Ev. Cloudy. {A.M. Fine—light clouds and wind. P.M. Cloudy—light rain and wind. Evening, Cloudy.	
	⊙ 6	30.276	30.268	69.0	30.228	30.220	64.7	55	05.6	59.8	68.3	50.8	67.2		S	{A.M. Fine—nearly cloudless. P.M. Fine—light clouds. Ev. Cloudy. {A.M. Fine—light clouds and wind. P.M. Cloudy—light rain and wind. Evening, Cloudy.	
	M 7	30.132	30.124	68.5	30.088	30.080	65.7	58	06.3	62.6	65.8	57.3	69.8		SW	{A.M. Fine—nearly cloudless—light fog. P.M. Thick haze. Evening, Cloudy—very slight rain.	
	T 8	30.180	30.172	68.0	30.158	30.150	65.0	56	04.5	58.4	64.7	52.3	68.0		NW	{A.M. Fine—nearly cloudless—light fog. P.M. Thick haze. Evening, Cloudy—very slight rain.	
	W 9	30.044	30.036	62.8	29.996	29.988	63.8	57	05.2	62.3	65.8	56.7	66.7		S	Overcast—brisk wind throughout the day, as also the evening.	
	T 10	30.014	30.006	64.0	30.020	30.012	65.2	59	05.2	61.3	65.7	60.7	68.0	.041	WNW	{A.M. Overcast—rain early—high wind throughout the night. P.M. {Fine—light clouds. Evening, Fine and starlight. {Fine—light clouds and breeze throughout the day. Evening, Fine and starlight.	
	F 11	29.994	29.986	61.9	29.952	29.944	63.7	55	03.8	60.0	62.8	51.9	66.8		SW	{A.M. Light fog. P.M. Fine—light clouds. Evening, The like.	
	S 12	30.024	30.016	66.4	29.966	29.958	61.5	52	05.9	56.8	60.8	47.2	65.3		W	{A.M. Overcast—light wind. P.M. Overcast—light rain and wind—great depression in barometer. Evening, Heavy rain. {Fine—light clouds and wind throughout the day. Evening, Overcast—light rain—high wind.	
	⊙ 13	29.900	29.894	64.9	29.764	29.758	60.0	48	05.9	53.8	58.6	45.2	62.2		SW	{A.M. Fine—lt. clouds and wind throughout the day. Ev. Fine and clear.	
	M 14	29.474	29.466	55.9	29.308	29.300	57.9	49	06.1	54.3	53.2	46.0	60.7		S	{A.M. Fine—lt. clouds & wind. P.M. Overcast—lt. showers—brisk wind. Ev. Fine and starlight. {A.M. Fine—light clouds and fog. P.M. Fine—light clouds & wind—past 5, rainbow, with slight rain. Evening, Fine and clear.	
	T 15	29.314	29.306	67.3	29.306	29.300	57.4	50	04.0	51.2	54.3	45.9	59.4	.283	W	{A.M. Fine—light clouds—brisk wind throughout the day. Evening, Fine and clear.	
	W 16	28.892	28.888	62.4	28.858	28.852	57.7	49	06.8	55.7	53.8	46.9	60.8	.130	S	{A.M. Fine—light clouds & fog. P.M. Fine—light clouds & wind—past 5, rainbow, with slight rain. Evening, Fine and clear.	
	T 17	29.550	29.542	60.7	29.660	29.652	56.6	48	06.2	55.3	58.2	45.7	60.0	.111	SW var.	{A.M. Fine—light clouds and fog. P.M. Fine—light clouds & wind—past 5, rainbow, with slight rain. Evening, Fine and clear.	
	F 18	29.896	29.890	55.3	29.888	29.880	55.0	45	05.3	51.3	57.7	41.7	59.3		W	{A.M. Fine—light clouds—brisk wind throughout the day. Evening, Fine and clear.	
	S 19	29.880	29.872	56.3	29.908	29.900	56.2	49	04.6	53.3	54.6	49.3	59.7		NNW	{A.M. Fine—light clouds—high wind. P.M. Cloudy—brisk wind. {A.M. Fine—nearly cloudless—lt. fog. P.M. Overcast—lt. wind. Ev. {A.M. Fine—light clouds and wind. P.M. Cloudy—light brisk wind. {Evening, Cloudy—light rain.	
	⊙ 20	30.036	30.028	52.3	30.036	30.030	54.0	44	05.9	51.3	55.0	42.4	56.6		WNW	{A.M. Fine—light clouds and wind. P.M. Cloudy—light brisk wind. {Evening, Cloudy—light rain.	
	M 21	30.026	30.018	55.0	29.946	29.938	56.0	45	05.3	54.5	58.4	45.0	57.8		S	Overcast—lt. rain—high wind nearly the whole day. Ev. Cloudy.	
	T 22	29.500	29.494	55.4	29.500	29.496	55.3	50	04.8	55.2	49.7	52.4	62.5	.083	S	{A.M. Fine—light clouds—brisk wind. P.M. Fine—dark clouds—brisk wind. Evening, Fine and starlight.	
	W 23	29.402	29.396	52.3	29.498	29.492	54.7	45	04.8	51.4	57.0	44.6	56.7	.333	WSW	{A.M. Fine—light clouds—brisk wind. P.M. Fine—dark clouds—light showers. Evening, Overcast—light rain.	
	T 24	29.530	29.522	53.0	29.574	29.566	54.9	48	04.8	53.2	56.3	48.0	58.8		E	{A.M. Overcast—lt. rain & wind. P.M. Cloudy—brisk wind. Ev. Lt. fog.	
	● F 25	29.796	29.788	53.3	29.944	29.936	54.8	49	02.3	50.2	54.3	50.0	59.3	.097	NW	{A.M. Fine—light clouds and wind. P.M. Cloudy—light rain and wind. Evening, Overcast—light rain and wind.	
	S 26	30.062	30.054	53.4	29.966	29.958	55.0	46	03.0	50.7	57.7	45.4	56.5	.019	SW	{A.M. Fine—lt. clouds. P.M. Lightly overcast. Ev. Fine & starlight.	
	⊙ 27	30.014	30.006	55.7	29.980	29.976	57.0	48	04.5	55.4	61.8	49.0	60.6	.130	S	{Overcast—high wind, with light rain nearly the whole of the day, as also the evening.	
	M 28	29.790	29.782	55.4	29.654	29.648	57.2	52	04.4	56.3	58.0	51.3	63.8		SE	{A.M. Fine—nearly cloudless—brisk wind. P.M. Fine—light clouds. {Evening, Fine and starlight.	
	T 29	29.624	29.618	58.2	29.630	29.624	58.5	53	04.4	55.5	56.3	50.2	60.3	.269	S	{A.M. Fine—light clouds and wind. P.M. Cloudy—light wind. {Evening, Dark heavy clouds.	
	W 30	29.998	29.990	55.5	30.004	29.996	57.2	49	04.7	52.8	56.4	46.3	59.0		W		
	MEAN.	29.821	29.814	61.0	29.801	29.794	60.2	52	05.1	57.3	60.0	50.0	63.3	Sum. 1.854			Mean Barometer corrected { 9 A.M. 3 P.M. { F. 29.738 .. 29.721 { C. 29.730 .. 29.713
	OCTOBER	T 1	30.022	30.016	55.2	30.044	30.036	56.2	50	04.6	55.3	57.3	51.7	57.7		S	Overcast—light fog and wind throughout the day, as also the evening.
		F 2	30.172	30.164	55.3	30.172	30.164	57.6	52	04.1	53.7	57.7	51.3	58.7		W	{A.M. Cloudy—light wind. P.M. Fine—light clouds. Evening, Fine and starlight.
S 3		30.194	30.186	53.8	30.148	30.140	54.9	46	03.8	47.7	52.5	44.3	59.0		NW	{A.M. Fine—lt. clouds & wind. P.M. Cloudy—lt. wind. Ev. The like.	
⊙ 4		30.084	30.076	53.3	30.080	30.074	55.5	49	02.8	51.2	55.0	46.3	54.6		NNW	{A.M. Lightly overcast—slight rain—brisk wind. P.M. Heavy clouds—light wind. Evening, Fine and starlight.	
M 5		30.100	30.092	52.2	30.078	30.070	53.4	48	03.0	49.5	49.4	46.4	57.2		NW	{A.M. Overcast—lt. wind. P.M. Cloudy—lt. showers. Ev. Fine & starlight.	
T 6		30.126	30.118	51.0	30.118	30.110	53.2	45	02.6	45.4	52.4	42.6	55.3	.116	NW	{Cloudy—light fog and wind throughout the day. Evening, Fine and starlight.	
W 7		30.114	30.106	49.5	30.116	30.108	51.2	42	02.6	43.7	52.8	39.0	53.6		SSW	{A.M. Fine—light clouds, with light fog and wind. P.M. Cloudy—light wind. Evening, Fine and starlight—light fog.	
T 8		30.266	30.258	48.0	30.252	30.244	48.7	41	02.4	40.7	50.3	36.8	53.9		S	{A.M. Fine & cloudless—lt. fog. P.M. Foggy. Ev. Fine & moonlight.	
F 9		30.326	30.318	46.7	30.282	30.276	48.0	39	02.4	40.3	53.8	40.0	51.6		WSW	{A.M. Thick fog—light wind. P.M. Fine—nearly cloudless. Ev. Fine and moonlight—light fog.	
S 10		30.318	30.310	46.7	30.292	30.284	48.8	41	03.4	45.7	55.2	39.8	55.4		N	{A.M. Thick fog—light wind. P.M. Fine—nearly cloudless. Ev. Fine and starlight—light fog. {Fine and moonlight.	
⊙ 11		30.400	30.392	49.3	30.408	30.402	51.8	46	03.4	52.5	57.5	44.4	56.7		NE	{A.M. Lightly overcast—light fog and wind. P.M. Fine—lt. wind. Ev. {Fine—nearly cloudless—light wind throughout the day. Evening, {Fine and moonlight—light fog.	
M 12		30.604	30.596	49.6	30.592	30.584	51.6	46	02.9	50.3	55.7	44.7	59.3		N	{A.M. Thick fog—light wind. P.M. Fine—light clouds and wind. {Evening, Fine and moonlight—light fog.	
T 13		30.590	30.582	48.8	30.530	30.522	50.7	43	02.1	43.2	55.2	42.2	57.3		NNW	{Fine—nearly cloudless—light fog throughout the day. Evening, {Fine and moonlight—light fog.	
W 14		30.404	30.398	48.6	30.308	30.300	50.4	42	01.2	43.2	58.8	39.7	56.6		SW	{A.M. Fine—light fog. P.M. Hazy—light fog. Ev. Cloudy—light fog.	
T 15		30.258	30.250	50.4	30.152	30.144	51.3	42	02.3	43.7	53.8	41.9	60.7		S	{A.M. Light clouds and wind. P.M. Overcast—light wind. Evening, Overcast—light rain.	
F 16		29.936	29.928	50.3	29.830	29.822	51.8	46	03.5	48.3	55.3	42.0	54.8		S	{Lightly overcast—light wind throughout the day. Evening, Overcast—deposition.	
S 17		29.812	29.804	53.0	29.900	29.892	53.8	49	02.5	54.8	53.3	48.0	56.7	.066	NW	Overcast throughout the day. Ev. Overcast—light rain—brisk wind.	
⊙ 18		30.026	30.018	52.2	29.936	29.932	53.0	47	02.5	50.8	53.5	49.0	56.8		SSW	{A.M. Cloudy—brisk wind. P.M. Fine—light clouds—brisk wind. {Evening, Fine and starlight—high wind.	
M 19		29.704	29.698	53.3	29.726	29.718	54.3	48	05.2	53.5	54.8	49.0	55.7	.133	NW	{A.M. Fine and cloudless—brisk wind. P.M. Fine—light clouds and wind. {Evening, Fine and starlight.	
T 20		30.100	30.094	51.3	30.104	30.096	52.2	45	04.8	47.7	52.8	45.8	56.6		NW	{Fine—light clouds and wind throughout the day. Ev. Overcast.	
W 21		30.156	30.150	49.7	30.120	30.112	51.0	41	04.0	45.7	51.8	42.2	54.6		NW	{Overcast—slight rain—light wind throughout the day. Evening, {Fine and starlight. {Ev. The like.	
T 22		29.904	29.898	50.0	29.856	29.848	50.8	45	02.1	48.8	51.7	44.8	52.8		S	{A.M. Fine—lt. clouds & wind. P.M. Overcast—light rain and wind. {A.M. Fine—light clouds—brisk wind. P.M. Fine—light clouds—at 2 p.m. heavy shower of hail. Evening, Fine and starlight.	
F 23		29.960	29.952	49.6	29.856	29.848	52.0	42	02.4	45.2	52.2	43.7	52.7	.036	SW	{Fine—nearly cloudless—light wind throughout the day. Evening, {A.M. Overcast—lt. fog and wind. P.M. Lightly overcast. Ev. Overcast—light rain and wind, as also throughout the night.	
S 24		29.556	29.548	49.6	29.556	29.548	50.2	43	03.2	45.2	47.2	42.5	53.2	.286	W	{P.M. Cloudy—light wind. Evening, Fine and starlight.	
⊙ 25		29.784	29.776	47.0	29.832	29.826	47.7	38	03.2	42.2	48.2	39.3	50.6	.102	NW	{A.M. Overcast—lt. fog and wind. P.M. Lightly overcast. Ev. Overcast—light rain and wind, as also throughout the night.	
M 26		29.886	29.878	44.3	29.826	29.818	46.2	37	02.0	39.2	47.8	35.4	49.3		W	{A.M. Fine—light clouds and wind—rain early. P.M. Lightly cloudy. {Evening, Overcast—light rain. {Overcast—lt. fog.	
T 27		29.178	29.172	48.7	29.152	29.146	49.5	45	01.9	51.3	49.3	38.6	52.8	.302	S	{A.M. Overcast—light rain and wind, as also throughout the night. {P.M. Cloudy—light wind. Evening, Fine and starlight.	
W 28		29.136	29.130	46.8	29.210	29.202	49.0	42	02.0	42.7	47.9	41.3	52.3	.061	S	{A.M. Fine—light clouds & wind—rain early. P.M. Lightly cloudy. {Evening, Overcast—light rain.	
T 29		29.340	29.336	46.7	29.310	29.304	47.7	43	01.2	45.6	47.2	41.4	49.4	.033	NE	{Overcast—very fine rain—light wind nearly the whole of the day. Ev. {A.M. Fine—light clouds and wind. P.M. Fine, with occasional showers. Evening, Fine and starlight.	
F 30		29.522	29.514	47.4	29.528	29.522	49.7	44	02.3	47.3	51.7	40.3	49.6	.338	E	{A.M. Lightly overcast—light wind. P.M. Fine—light clouds. {Evening, Fine and starlight.	
S 31		29.564	29.558	48.5	29.564	29.558	50.7	45	02.0	47.3	51.5	43.2	52.8		ENE		
MEAN.		29.985	29.978	50.0	29.932	29.924	51.4	44	02.8	47.2	52.7	43.2	54.8	Sum. 1.473			Mean Barometer corrected { 9 A.M. 3 P.M. { F. 29.931 .. 29.875 { C. 29.923 .. 29.866

