

METEOROLOGICAL JOURNAL,

KEPT BY THE ASSISTANT SECRETARY

AT THE APARTMENTS OF THE

ROYAL SOCIETY,

BY ORDER OF

THE PRESIDENT AND COUNCIL.

MDCCCXXI.

METEOROLOGICAL JOURNAL FOR JULY, 1831.

1831. July.	9 o'clock, A.M.		3 o'clock, P.M.		Dew Point at 9 A.M. in de- grees of Fahr.	External Thermometer.				Rain, in inches. Read off at 9 A.M.	Direction of the Wind at 9 A.M.	Remarks.
	Barom.	Attach. Therm.	Barom.	Attach. Therm.		Fahrenheit.		Self-registering.				
						9 A.M.	3 P.M.	Lowest.	Highest.			
♀ 1	30.116	67.7	30.085	68.4	50	62.7	68.6	56.3	69.2		N	Fine—light clouds and wind.
h 2	30.040	67.7	30.007	70.7	47	66.4	72.8	55.8	73.7		WNW	Fine and clear—light clouds.
⊙ 3	30.038	69.3	30.050	69.7	60	64.7	70.7	58.4	73.3		SW	{ A.M. Lowering. P.M. Fine and clear—cloudy.
▷ 4	30.218	68.3	30.235	71.4	49	66.6	73.7	57.7	74.3		W	Fine and clear.
♂ 5	30.238	68.7	30.241	70.3	59	69.3	72.3	59.6	73.3		WSW	{ A.M. Cloudy—light wind. P.M. Fine and clear. Evening, showery.
♀ 6	30.385	74.6	30.366	73.9	63	71.5	76.7	60.5	80.5		N	Fine and cloudless.
⌞ 7	30.365	75.7	30.308	72.7	57	70.3	72.3	56.7	72.7		E	Clear and cloudless.
♀ 8	30.247	64.3	30.225	71.7	59	62.4	72.5	57.3	73.2		NNE	A.M. Cloudy. P.M. Clear and cloudless.
⊙ h 9	30.181	70.2	30.143	76.7	55	71.7	78.7	59.1	80.4		N	Fine and cloudless.
⊙ 10	30.060	71.2	30.019	70.3	63	67.6	65.5	65.3	68.7		NNE	{ Overcast—showery—light brisk wind. Thunder at noon.
▷ 11	29.905	70.5	29.808	71.3	56	67.0	71.6	57.7	72.5	0.069	NNW	Clear—nearly cloudless.
♂ 12	29.665	67.8	29.664	71.8	57	66.0	68.3	62.3	73.3	0.083	WSW	Cloudy—light brisk wind.
♀ 13	29.647	66.4	29.654	66.7	59	61.3	67.5	58.6	67.5	1.014	NW	{ A.M. Rain. P.M. Fine and clear—cloudy.
⌞ 14	29.760	69.3	29.749	68.8	57	63.7	68.4	56.4	68.6	0.094	S	{ A.M. Lowering—light wind. P.M. Fine and clear.
♀ 15	29.763	67.8	29.783	69.8	59	65.7	68.7	57.3	71.3	0.694	SW	{ Heavy rain early A.M.—Fine and clear—light clouds.
h 16	29.773	67.7	29.797	69.7	60	65.6	68.8	59.5	70.7	0.241	SE	A.M. Clear—cloudy. P.M. Cloudy.
⊙ 17	29.963	68.3	30.000	70.2	59	65.0	72.0	57.7	73.4		NW	Fine—light clouds and haze.
▷ 18	30.015	67.7	29.980	70.9	55	68.3	70.9	56.8	72.5		SW	Fine—cloudy.
♂ 19	29.930	69.3	29.918	70.7	53	67.4	68.5	56.7	72.5		SSW	Fair—cloudy.
♀ 20	29.810	67.7	29.809	69.6	55	63.7	65.4	58.8	68.3		SSW	Cloudy.
⌞ 21	29.660	69.7	29.659	70.6	61	66.4	70.3	61.7	71.7	0.067	SSW	{ Fair—cloudy—brisk unsteady wind. Rain and high wind early A.M.
♀ 22	29.845	68.4	29.822	69.3	50	66.7	69.0	52.6	69.7	0.094	SW	{ A.M. Fine and clear—light brisk wind. P.M. Cloudy.
h 23	29.835	66.7	29.800	67.7	55	63.3	64.4	52.3	67.4		SW	Cloudy.
⊙ 24	29.830	65.4	29.886	68.7	56	63.4	68.6	55.6	70.7	0.031	NE	Fair—cloudy.—Brisk wind A.M.
▷ 25	30.071	67.3	30.079	70.3	55	63.3	71.4	52.5	72.6		N	Fine—cloudy—light wind.
♂ 26	30.187	68.7	30.176	71.3	59	67.3	74.7	55.4	74.7		NNE	Fine—light clouds and wind.
♀ 27	30.245	69.6	30.209	73.3	61	70.6	79.2	59.7	79.7		ESE	Fine and cloudless.
⌞ 28	30.176	71.6	30.117	74.7	62	69.6	77.7	64.7	79.3		NNW	{ Fine and clear—cloudy. Thunder at 7 P.M.
♀ 29	30.135	72.3	30.123	75.7	63	69.6	76.4	63.3	80.8		E	{ Clear—cloudy. Violent thunder-storm from 4 to 5 P.M.
h 30	30.192	72.7	30.157	75.3	64	67.6	77.4	61.3	78.7	0.436	N	A.M. Foggy. P.M. Fine and clear.
⊙ 31	30.133	76.7	30.070	76.5	61	72.3	77.7	60.3	79.5		N	Fine and clear—light brisk wind.
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Sum		
	30.014	69.7	29.997	71.2	57.3	67.3	71.6	58.3	76.6	2.823		

Monthly Mean of the Barometer, corrected for Capillarity and reduced to 32° Fahr. ....	9 A.M. 29.899	3 P.M. 29.878
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**OBSERVANDA.**

Height of the Cistern of the Barometer above a Fixed Mark on Waterloo Bridge ..... = 83 feet  $2\frac{1}{2}$  in.

..... above the mean level of the Sea (presumed about) ..... = 95 feet.

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

Height of the Receiver of the Rain Gauge above the Court of Somerset House ..... = 79 feet 0 in.

The hours of observation are of Mean Time, the day beginning at Midnight.

The Thermometers are graduated by Fahrenheit's Scale.

The Barometer is divided into inches and decimals.

# METEOROLOGICAL JOURNAL FOR AUGUST, 1831.

1831. August.	9 o'clock, A.M.		3 o'clock, P.M.		Dew Point at 9 A.M. in de- grees of Fahr.	External Thermometer.				Rain, in inches. Read off at 9 A.M.	Direction of the Wind at 9 A.M.	Remarks.
	Barom.	Attach. Therm.	Barom.	Attach. Therm.		Fahrenheit.		Self-registering.				
						9 A.M.	3 P.M.	Lowest.	Highest.			
1	30.068	76.3	30.021	77.4	60	71.4	73.8	58.6	75.7		N	{ A.M. Cloudless. P.M. Fine. At night, rain.
♂ 2	29.876	71.3	29.878	75.3	66	66.3	70.0	63.6	73.3		N	{ Showery. Thunder at noon and in the evening.
♀ 3	29.903	71.3	29.893	74.2	64	66.7	70.6	63.7	72.3	0.367	ENE	{ Cloudy. Thunder at noon. Very heavy showers, P.M.
4	29.811	72.3	29.726	74.4	65	67.3	75.3	61.2	76.7	0.361	E	{ A.M. Overcast. P.M. Fine—cloudy. Fair—cloudy. From 7 to 8 P.M. a violent thunder-storm.
♀ 5	29.682	71.7	29.689	75.4	69	68.7	74.4	65.3	75.3		E	{ Fine and clear—light clouds and wind. A.M. Fair—cloudy. P.M. Lowering —heavy broken clouds—light rain.
h 6	29.760	73.6	29.740	75.7	64	69.4	74.3	60.4	76.3	0.375	SSW	{ Fine—lightly cloudy.
⊙ 7	29.687	74.7	29.684	75.0	64	70.4	70.7	62.3	75.7		ESE	{ A.M. Fair—cloudy. P.M. Lowering —heavy broken clouds—light rain.
8	29.859	70.3	29.869	74.6	64	64.0	76.8	62.0	76.8		NNW	{ Fine—lightly cloudy.
♂ 9	29.966	71.4	29.958	75.5	66	69.2	78.2	64.3	79.7		NW	{ Fine—cloudy. Rain at night.
♀ 10	30.057	71.3	30.099	73.5	58	65.6	72.4	61.3	74.3	0.203	N	{ Fine—light clouds.
4	30.192	72.7	30.152	73.8	59	68.4	73.6	59.7	74.6		N	{ A.M. Cloudless. P.M. Fine—light clouds.
♀ 12	30.163	70.3	30.123	73.4	63	65.3	72.8	60.3	75.8		E	{ A.M. Cloudless. P.M. Fine—light clouds and wind.
h 13	30.080	72.6	30.014	73.7	62	68.6	72.5	60.7	75.6		NNW	{ A.M. Cloudless. P.M. Lightly over- cast—shower at 2.
⊙ 14	30.040	71.7	30.005	73.4	60	65.3	71.7	56.7	72.6	0.042	N	{ Fine and clear—light clouds.
8	30.107	70.7	30.108	72.7	61	65.5	71.6	55.7	73.2		N	{ Fine and cloudless.
♂ 16	30.140	68.3	30.104	70.6	62	62.7	69.4	57.7	70.2		E	{ A.M. Strong fog. P.M. Overcast— thunder.
♀ 17	30.080	69.7	29.998	72.5	64	65.7	72.5	60.8	74.3	0.017	W	{ Fine—cloudy. Violent thunder-storm, with rain at 5 P.M.
4	29.970	68.3	29.944	69.4	49	60.3	67.8	66.3	68.3	0.264	N	{ Clear and cloudless.
♀ 19	29.678	66.3	29.719	69.6	64	66.9	66.4	56.4	69.7	0.014	WSW	{ Fine and clear.
h 20	29.666	66.6	29.812	68.6	59	61.3	67.5	56.7	67.7	0.011	N	{ Fine—brisk unsteady wind and light clouds. Rain at night.
⊙ 21	30.096	65.7	30.164	70.3	61	62.6	67.5	59.4	68.4	0.014	N	{ Fine—cloudy—brisk unsteady wind.
8	30.310	64.7	30.277	69.2	59	60.7	68.0	55.3	68.7		NNW	{ Fair—cloudy.
⊙ ♂ 23	30.202	67.7	30.180	71.6	58	66.4	73.8	60.8	75.6		N	{ Fair—light clouds.
♀ 24	29.977	69.7	29.869	72.2	62	67.6	70.4	58.7	72.6		SSW	{ Lightly overcast.
4	29.730	67.9	29.794	70.5	52	62.7	68.8	59.7	69.5	0.033	W	{ Fine—light clouds. Clear A.M.
♀ 26	29.983	70.3	29.946	71.6	54	66.7	69.8	54.4	71.5		SSW	{ Lightly overcast.
h 27	29.975	69.7	29.961	72.4	65	68.7	72.4	61.7	75.3		WSW	{ Lightly overcast.
⊙ 28	30.129	70.3	30.160	71.7	61	63.6	69.5	55.7	70.5		WSW	{ Fine—nearly cloudless.
8	30.239	69.4	30.202	71.0	59	63.7	72.2	55.3	72.7		WSW	{ Fine. A.M. Cloudless.
♂ 30	30.147	69.3	30.101	72.4	63	66.5	73.0	59.6	74.3		SSW	{ Lowering.
♀ 31	29.952	69.7	29.948	72.2	66	68.4	68.0	63.7	70.5		WSW	{ Fair—cloudy.
	Mean 29.985	Mean 70.2	Mean 29.972	Mean 72.7	Mean 61.4	Mean 66.0	Mean 71.5	Mean 59.9	Mean 73.2	Sum 1.701		

Monthly Mean of the Barometer, corrected for Capillarity and reduced to 32° Fahr. .... { 9 A.M. 3 P.M. }  
 { 29.869 29.848 }

## OBSERVANDA.

Height of the Cistern of the Barometer above a Fixed Mark on Waterloo Bridge..... = 83 feet 2½ in.

..... above the mean level of the Sea (presumed about) ..... = 95 feet.

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

Height of the Receiver of the Rain Gauge above the Court of Somerset House ..... = 79 feet 0 in.

The hours of observation are of Mean Time, the day beginning at Midnight.

The Thermometers are graduated by Fahrenheit's Scale.

The Barometer is divided into inches and decimals.

# METEOROLOGICAL JOURNAL FOR SEPTEMBER, 1831.

1831. Septemb.	9 o'clock, A.M.		3 o'clock, P.M.		Dew Point at 9 A.M. in de-grees of Fahr.	External Thermometer.				Rain, in inches. Read off at 9 A.M.	Direction of the Wind at 9 A.M.	Remarks.
	Barom.	Attach. Therm.	Barom.	Attach. Therm.		Fahrenheit.		Self-registering.				
						9 A.M.	3 P.M.	Lowest.	Highest.			
☿ 1	29.966	66.0	29.888	63.7	58	58.8	53.5	55.6	59.4	0.041	SW	Rain.
♀ 2	29.843	62.0	29.883	64.6	55	55.0	58.7	48.2	60.4	0.922	SW var.	Fine—light clouds and wind.
♂ 3	29.918	60.6	29.883	63.0	52	55.4	62.5	47.0	63.2		NNE	Fine and clear.
☉ 4	29.847	61.6	29.839	64.3	55	58.3	65.0	47.2	68.2		SSW	A.M. Fine. P.M. Light rain.
☽ 5	29.911	64.0	29.924	68.9	57	64.2	70.2	58.5	72.2	0.030	S	{ A.M. Light rain. P.M. Fine—light clouds.
● ♂ 6	29.926	66.0	29.871	68.0	60	62.8	65.9	51.6	67.4	0.038	SW	{ A.M. Overcast. P.M. Fine—light clouds.
♀ 7	29.879	65.0	29.788	66.7	55	60.3	62.2	51.8	64.8	0.061	S	A.M. Nearly cloudless. P.M. Light rain.
☿ 8	29.713	62.6	29.649	65.8	52	58.7	62.0	48.2	65.9	0.230	SW	A.M. Fine. P.M. Light rain.
♀ 9	29.584	60.3	29.643	62.8	54	55.2	55.5	50.0	58.2	0.058	SW	Overcast—light rain.
♂ 10	29.845	60.3	29.881	63.6	55	57.9	60.3	53.0	63.6	0.144	NW var.	A.M. Fair. P.M. Rain.
☉ 11	29.934	58.8	30.051	62.5	52	55.6	61.2	49.4	61.7	0.108	S	Cloudy—rain.
☽ 12	30.202	60.8	30.210	63.4	55	58.8	63.7	55.9	64.6		S	A.M. Fair. P.M. Cloudy.
♂ 13	30.214	61.0	30.176	64.5	54	58.4	64.8	54.6	66.0		ENE	Fine—lightly overcast.
♀ 14	30.158	61.7	30.132	64.2	53	59.5	63.6	55.3	64.5		E	A.M. Fine. P.M. Cloudy.
☿ 15	30.172	60.2	30.138	64.0	52	55.5	63.7	51.0	66.2		E	Fine and clear.
♀ 16	30.249	60.4	30.273	64.2	52	55.2	61.4	54.0	62.6		NE	Overcast. P.M. Light rain.
♂ 17	30.239	59.9	30.208	63.6	52	57.5	60.3	53.2	64.3		WSW	A.M. Fine. P.M. Overcast.
☉ 18	30.120	61.0	30.049	64.6	53	58.4	64.8	54.0	66.8		SSW	A.M. Fair. P.M. Overcast.
☽ 19	29.917	61.4	29.860	65.4	54	58.6	64.8	52.2	66.8		ESE	A.M. Fine. P.M. Cloudy. At night rain.
♂ 20	29.859	59.4	29.851	63.4	51	54.2	62.0	46.9	63.5	0.041	SW	Fine and clear.
○ ♀ 21	29.814	61.2	29.825	64.5	56	58.8	64.0	54.0	65.2	0.144	SW	A.M. Light rain. P.M. Fine and clear.
☿ 22	29.934	60.3	29.949	63.4	50	54.8	62.6	51.0	63.6		WSW	Fine—light clouds.
♀ 23	30.130	59.0	30.118	63.2	52	54.2	64.8	46.5	65.2		W	Fine—light clouds.
♂ 24	30.241	62.4	30.173	65.3	57	60.6	66.6	54.5	68.2		S	Fine and clear—light clouds.
☉ 25	30.051	63.2	29.976	65.4	57	61.2	66.7	54.7	67.6		S var.	Fine—nearly cloudless P.M.
☽ 26	30.039	63.0	29.986	64.5	56	58.2	62.2	58.0	63.8	0.033	S	Overcast—light rain.
♂ 27	29.917	62.2	29.836	65.5	54	57.8	66.4	55.3	66.2		E	{ A.M. Light rain. P.M. Nearly cloud- less.
♀ 28	29.775	63.8	29.724	66.6	57	61.7	67.5	57.4	68.0	0.325	E	{ Fine—light clouds. At night, thun- der-storm.
☿ 29	29.629	65.0	29.609	68.3	60	61.2	67.8	59.6	69.2	0.631	E	Fair—lightly overcast.
♀ 30	29.540	65.0	29.433	68.0	61	62.6	68.3	58.5	69.5		SE	{ A.M. Fine. P.M. Cloudy. At night, thunder-storm.
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Sum		
	29.954	61.9	29.928	64.9	54.7	58.3	63.4	52.9	65.2	2.806		

Monthly Mean of the Barometer, corrected for Capillarity and reduced to 32° Fahr. .... { 9 A.M. 29.863 3 P.M. 29.828 }

## OBSERVANDA.

Height of the Cistern of the Barometer above a Fixed Mark on Waterloo Bridge..... =83 feet 2½ in.

..... above the mean level of the Sea (presumed about) ..... =95 feet.

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

Height of the Receiver of the Rain Gauge above the Court of Somerset House ..... =79 feet 0 in.

The hours of observation are of Mean Time, the day beginning at Midnight.

The Thermometers are graduated by Fahrenheit's Scale.

The Barometer is divided into inches and decimals.

# METEOROLOGICAL JOURNAL FOR OCTOBER, 1831.

1831. Octob.	9 o'clock, A.M.		3 o'clock, P.M.		Dew Point at 9 A.M. in de- grees of Fahr.	External Thermometer.				Rain, in inches. Read off at 9 A.M.	Direction of the Wind at 9 A.M.	Remarks.
	Barom.	Attach. Therm.	Barom.	Attach. Therm.		Fahrenheit.		Self-registering.				
						9 A.M.	3 P.M.	Lowest.	Highest.			
h 1	29.311	66.2	29.340	68.7	62	63.0	66.6	61.0	68.2	0.261	S	{ Fine—light clouds. Heavy rain at night.
○ 2	29.365	65.2	29.455	67.6	60	61.6	65.4	56.7	66.4	0.188	SE var.	{ Fine—light clouds.
▷ 3	29.720	64.0	29.781	66.8	61	60.0	65.0	54.2	66.4		S	{ Fine and clear—light wind. Rain at night.
♂ 4	29.842	64.4	29.917	66.0	58	58.8	63.6	56.6	64.7	0.158	WSW	{ Fine and cloudless. Heavy rain at night.
♀ 5	29.931	63.5	29.974	65.5	58	58.4	62.2	55.3	63.4	0.119	WSW	{ Fine and cloudless.
⌞ 6	29.951	62.7	29.934	65.4	60	61.0	64.8	54.4	66.3		S var.	{ Cloudy—light unsteady wind. Heavy rain at noon.
♀ 7	29.754	64.3	29.691	66.6	61	63.8	66.6	59.3	67.8	0.033	ESE	{ Fine and cloudless.
h 8	.....	.....	29.643	63.9	...	.....	58.6	57.0	61.2		SE	{ Overcast—light rain. Thunder-storm at 1 P.M.
○ 9	29.683	62.3	29.724	64.3	58	56.5	61.0	53.0	61.6	0.463	WSW	{ Fair—lightly cloudy.
▷ 10	29.667	61.2	29.647	63.5	57	58.0	60.7	53.0	63.0	0.003	SW	{ Fine—cloudy—light wind.
♂ 11	29.732	61.5	29.758	64.0	58	59.3	60.6	56.6	62.2		S	{ A.M. Fine—light clouds. P.M. Light rain.
♀ 12	29.750	61.2	29.720	62.8	59	58.7	61.6	56.7	62.2		NW	{ Overcast—light rain.
⌞ 13	29.697	61.4	29.633	64.6	58	60.0	62.5	54.6	64.3	0.725	SSE	{ Overcast—light wind. High wind through the night.
♀ 14	29.615	63.7	29.677	65.5	61	61.7	62.7	60.7	64.3		SSE var.	{ Lowering—unsteady wind.
h 15	29.822	62.7	29.857	65.4	58	58.6	61.8	56.3	63.3		SSW	{ Fair—lightly overcast.
○ 16	30.185	59.4	30.251	62.3	52	52.7	60.3	48.2	60.3		WSW	{ Fine and clear—light clouds.
▷ 17	30.383	58.6	30.364	61.7	55	55.4	60.8	47.6	61.5		W	{ Fine and clear.
♂ 18	30.432	59.8	30.404	61.8	58	58.4	60.7	55.3	62.3		W	{ Strong haze.
♀ 19	30.266	60.7	30.174	62.8	57	57.8	62.8	55.3	63.6		E	{ Fine and cloudless.
⌞ 20	30.017	60.7	29.978	63.3	58	58.4	60.8	53.3	62.3		S	{ Cloudy.
○ ♀ 21	29.951	60.9	29.962	62.7	57	57.5	59.0	55.3	59.5		SW	{ Cloudy. Evening, clear.
h 22	30.066	55.6	29.981	58.5	50	53.7	56.4	46.7	58.7		SSE	{ Overcast. Rain P.M.
○ 23	29.960	59.3	29.816	60.7	57	58.8	61.0	53.3	61.0		S	{ Cloudy. P.M. Rain. Evening, clear.
▷ 24	30.099	57.3	30.058	60.2	48	51.7	58.0	47.6	58.6		WSW	{ Fine. A.M. Cloudless.
♂ 25	29.891	58.0	29.764	59.3	53	56.4	55.8	51.4	58.4		SSE	{ Cloudy. P.M. Light rain.
♀ 26	29.536	58.5	29.572	60.2	57	57.4	57.8	53.3	59.7		SSE	{ Cloudy. Light shower A.M.
⌞ 27	29.742	57.3	29.691	58.0	52	52.8	54.7	52.3	55.0	0.119	SW	{ Rain.
♀ 28	30.077	55.8	30.204	58.0	52	52.7	56.5	48.4	57.3	0.036	SW	{ Fine and cloudless.
⌞ 29	30.314	55.4	30.267	58.2	51	51.6	56.3	48.3	57.2		W	{ A.M. Cloudless—fog and deposition. P.M. Cloudy. Evening clear.
○ 30	30.302	52.6	30.245	55.4	44	44.2	52.7	40.3	52.7		WSW	{ A.M. Cloudless—haze and deposition. P.M. Lightly cloudy.
▷ 31	30.208	53.9	30.176	56.6	51	51.7	56.2	43.5	57.4		WSW	{ A.M. Fine. P.M. Lightly overcast.
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Sum		
	29.909	60.3	29.892	62.6	56.0	57.0	60.4	53.1	61.6	2.105		

Monthly Mean of the Barometer, corrected for Capillarity and reduced to 32° Fahr. .... { 9 A.M. 3 P.M. }  
 { 29.822 29.798 }

## OBSERVANDA.

Height of the Cistern of the Barometer above a Fixed Mark on Waterloo Bridge ..... = 83 feet 2½ in.

..... above the mean level of the Sea (presumed about) ..... = 95 feet.

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

Height of the Receiver of the Rain Gauge above the Court of Somerset House ..... = 79 feet 0 in.

The hours of observation are of Mean Time, the day beginning at Midnight.

The Thermometers are graduated by Fahrenheit's Scale.

The Barometer is divided into inches and decimals.

# METEOROLOGICAL JOURNAL FOR NOVEMBER, 1831.

1831. Novemb.	9 o'clock, A.M.		3 o'clock, P.M.		Dew Point at 9 A.M. in de-grees of Fahr.	External Thermometer.				Rain, in inches. Read off at 9 A.M.	Direction of the Wind at 9 A.M.	Remarks.	
	Barom.	Attach. Therm.	Barom.	Attach. Therm.		Fahrenheit.		Self-registering.					
						9 A.M.	3 P.M.	Lowest.	Highest.				
♂ 1	30.035	57.4	29.950	55.8	51	53.8	55.2	.....	55.3	0.025	S	Cloudy.	
♀ 2	29.777	55.6	29.730	56.6	53	53.5	52.5	52.3	53.4		WSW	Fine—lightly cloudy.	
♂ 3	29.494	52.6	29.449	52.9	44	46.7	45.0	44.3	48.7		SW	Fine—lightly cloudy.	
♀ 4	29.771	47.6	29.849	50.3	42	42.5	46.8	35.6	47.2		W	A.M. Cloudless. P.M. Lightly overcast.	
h 5	29.520	47.6	29.410	50.7	47	47.4	50.5	38.3	51.3		S	Overcast. Light rain P.M.	
⊙ 6	29.607	47.3	29.385	49.7	44	44.3	50.2	39.7	56.3		WSW	Foggy. Rain P.M.	
♂ 7	29.477	50.0	29.527	51.8	41	46.9	49.4	43.4	50.3		SW	Fine and cloudless.	
♂ 8	29.666	49.3	29.784	51.9	45	46.8	51.2	43.4	51.3		WSW	Fine and cloudless.	
♀ 9	30.155	46.4	30.245	48.2	39	39.4	46.2	37.4	46.7		W	A.M. Strong fog. P.M. Fine.	
♂ 10	30.421	43.4	30.333	45.2	35	35.3	41.8	32.4	48.7	0.033	WNW	Foggy.	
♀ 11	30.245	47.4	30.255	49.8	49	49.4	53.6	34.4	53.6		WSW	Foggy. Evening, light rain.	
h 12	30.326	51.0	30.348	54.0	51	52.7	54.3	48.7	55.3		NNW	Foggy.	
⊙ 13	29.994	51.8	29.968	52.7	49	49.7	49.4	48.4	49.7		W	{ A.M. Foggy—deposition. P.M. Fine —light clouds.	
♂ 14	30.053	45.3	29.762	47.8	32	36.4	43.6	32.8	44.4		WSW	{ A.M. Cloudless—light wind. P.M. Hazy. At night, rain.	
♂ 15	29.478	44.2	29.372	45.5	35	37.4	40.4	34.7	40.6		0.033	W	A.M. Cloudless. P.M. Lightly overcast.
♀ 16	29.312	41.4	29.372	43.0	33	36.3	40.4	32.7	40.4			WNW	{ A.M. Cloudless. P.M. Fair—light haze. Evening, light rain.
♂ 17	29.585	39.7	29.546	40.5	33	33.8	36.4	31.7	36.4		0.239	W	Foggy. Light snow early A.M.
♀ 18	29.691	38.5	29.765	40.8	29	31.3	37.6	28.7	38.3			WNW	Overcast—foggy.
⊙ h 19	29.436	40.7	29.493	43.2	40	40.4	43.5	30.3	43.5	0.089	NNW	Fair—light clouds and wind.	
⊙ 20	29.838	40.7	29.882	42.3	35	38.6	40.3	33.7	52.3		W	Overcast—light fog. Rain at night.	
♂ 21	29.679	44.3	29.776	46.9	52	52.4	54.7	37.4	55.3	0.283	WNW	{ Overcast—foggy—light wind. Even- ing, deposition.	
♂ 22	29.850	48.8	29.893	50.7	54	54.6	57.2	51.8	57.2		0.158	WSW	{ Foggy. A.M. Deposition. Evening, light rain.
♀ 23	29.966	52.7	29.962	54.3	53	54.6	56.8	53.0	56.7	WSW		Overcast.	
♂ 24	30.032	53.4	30.004	55.4	50	50.6	56.8	47.7	56.8	SW	Fine—light clouds.		
♀ 25	29.960	54.3	29.893	55.5	51	51.2	54.4	47.0	54.4	SSW	Cloudy. Evening, light rain.		
h 26	29.944	54.6	30.051	53.7	51	51.5	52.5	50.3	52.5	W	Overcast.		
⊙ 27	30.321	46.7	30.367	47.7	32	37.2	41.4	35.6	41.6	NE	Overcast.		
♂ 28	30.497	43.9	30.480	44.6	29	35.8	41.2	33.7	41.2	NNW	Foggy—light wind.		
♂ 29	30.547	42.7	30.526	42.8	36	36.7	43.2	36.3	47.8	E	Foggy.		
♀ 30	30.314	41.7	30.190	43.3	36	36.7	42.8	34.3	46.4	W	Light fog. Rain P.M.		
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Sum			
	29.900	47.4	29.886	48.9	42.4	49.8	47.6	39.3	49.1	0.860			

Monthly Mean of the Barometer, corrected for Capillarity and reduced to 32°Fahr. .... { 9 A.M. 3 P.M. }  
 { 29.851 29.832 }

## OBSERVANDA.

Height of the Cistern of the Barometer above a Fixed Mark on Waterloo Bridge ..... = 83 feet 2½ in.  
 ..... above the mean level of the Sea (presumed about) ..... = 95 feet.

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

Height of the Receiver of the Rain Gauge above the Court of Somerset House ..... = 79 feet 0 in.

The hours of observation are of Mean Time, the day beginning at Midnight.

The Thermometers are graduated by Fahrenheit's Scale.

The Barometer is divided into inches and decimals.

# METEOROLOGICAL JOURNAL FOR DECEMBER, 1831.

1831. Decemb.	9 o'clock, A.M.		3 o'clock, P.M.		Dew Point at 9 A.M. in de- grees of Fahr.	External Thermometer.				Rain, in inches. Read off at 9 A.M.	Direction of the Wind at 9 A.M.	Remarks.
	Barom.	Attach. Therm.	Barom.	Attach. Therm.		Fahrenheit.		Self-registering.				
						9 A.M.	3 P.M.	Lowest.	Highest.			
☿ 1	30.170	46.8	30.125	47.3	44	44.3	46.8	37.3	47.3	0.078	NW	Overcast—light wind.
♀ 2	30.027	46.7	30.027	48.4	44	45.0	47.5	44.3	47.5		NNW	Overcast and foggy.
♂ 3	30.148	47.7	30.128	47.9	43	44.7	45.8	44.6	45.8		NW	Foggy—light wind.
☉ 4	30.028	47.7	29.658	49.3	45	45.7	49.3	44.6	49.7		WSW	Foggy—light deposition.
☽ 5	29.837	48.8	29.720	49.9	.....	44.6	48.2	44.3	48.3	0.089	WSW	Fair—light fog.
♂ 6	29.432	48.8	29.421	50.3	47	47.5	48.8	43.0	51.3		SW	Fair—lightly overcast—light wind.
♀ 7	28.924	50.7	28.986	52.4	50	51.3	52.0	47.6	53.3		SSE	Overcast. High wind with rain A.M.
☿ 8	29.139	51.3	29.124	53.4	51	51.3	54.3	47.8	54.0		SSW	Light rain and fog.
♀ 9	29.190	55.3	29.206	56.3	53	53.4	53.5	51.6	54.6	0.305	SW	A.M. Clear. P.M. Rain.
♂ 10	29.418	53.8	29.569	55.8	.....	50.7	51.7	46.7	52.4		S	Fair—lightly overcast.
☉ 11	29.342	53.9	29.309	55.5	50	52.6	54.2	48.8	55.6		SSE var.	Light wind. A.M. Fair. P.M. Overcast
☽ 12	29.307	53.8	29.128	54.6	51	51.2	54.0	49.0	54.2		SE var.	Overcast—light wind. Light rain A.M.
♂ 13	29.395	53.2	29.497	54.4	48	50.0	51.0	48.9	51.2	0.033	SSW	A.M. Fine. P.M. Light rain.
♀ 14	29.573	51.5	29.582	52.2	47	46.8	47.7	44.5	48.6		SW	Fair—light haze and wind.
☿ 15	29.792	47.7	29.742	49.5	38	39.3	45.8	38.4	47.3		WSW	{ A.M. Cloudless—fog. P.M. Lightly overcast.
♀ 16	29.851	47.7	29.606	50.4	37	38.5	47.6	37.7	50.7		SW	{ A.M. Cloudless—fog and deposition. High wind with rain at night.
♂ 17	29.744	48.4	29.794	49.6	37	40.4	44.0	38.7	47.7	0.033	WSW	Cloudless—hazy.
☉ 18	29.373	49.5	29.412	50.3	44	44.8	45.5	40.7	46.4		SSW	A.M. Fog and deposition. P.M. Fine.
☽ 19	29.567	46.7	29.643	47.6	39	39.9	42.5	39.7	42.6		WSW	Cloudless—hazy.
♂ 20	29.775	45.6	29.707	47.0	37	40.3	43.7	39.7	44.7		SW	Light fog and wind.
♀ 21	29.657	46.0	29.742	46.7	42	42.2	43.2	40.5	43.7	0.033	W	Fog and wind.
☿ 22	29.836	44.7	29.649	46.8	40	40.0	46.3	35.8	46.4		SSW	Lightly overcast. Deposition A.M.
♀ 23	29.815	44.7	29.980	46.2	36	38.7	41.3	36.5	41.3		WSW	Foggy—light wind.
♂ 24	30.233	42.2	30.262	42.2	33	35.3	35.0	32.9	38.0		.....	Strong fog throughout the day.
☉ 25	30.331	39.7	30.286	39.7	32	32.5	33.6	30.3	34.4	0.033	WNW	A.M. Strong haze. P.M. Lightly cloudy.
☽ 26	30.274	38.7	30.311	40.2	34	34.4	36.8	29.8	37.3		WNW	{ Strong haze, A.M. and evening. Fine, P.M.
♂ 27	30.427	39.0	30.418	40.0	33	35.7	38.3	33.3	38.3		.....	Foggy—light wind.
♀ 28	30.428	40.4	30.392	42.7	39	39.4	41.0	35.3	41.3		NNE	Fair—light fog.
☿ 29	30.313	41.4	30.229	43.5	38	39.5	40.0	37.3	40.7	0.033	NNE	A.M. Overcast. P.M. Fair.
♀ 30	30.226	41.2	30.186	41.0	33	36.2	35.9	35.3	36.3		NNE	Fine—light clouds and haze.
♂ 31	30.238	38.4	30.227	39.6	33	34.6	35.8	32.3	35.7		N	Fine and cloudless—light haze.
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean		Sum	
	29.800	46.9	29.776	48.1	41.3	42.9	45.2	40.6	46.0	0.505		

Monthly Mean of the Barometer, corrected for Capillarity and reduced to 32° Fahr. .... { 9 A.M. 3 P.M. }  
 { 29.751 29.724 }

## OBSERVANDA.

Height of the Cistern of the Barometer above a Fixed Mark on Waterloo Bridge..... = 83 feet 2½ in.

.....above the mean level of the Sea (presumed about) ..... = 95 feet.

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Height of the Receiver of the Rain Gauge above the Court of Somerset House..... = 79 feet 0 in.

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