

METEOROLOGICAL JOURNAL,

KEPT BY THE ASSISTANT SECRETARY

AT THE APARTMENTS OF THE

ROYAL SOCIETY,

BY ORDER OF

THE PRESIDENT AND COUNCIL.

MDCCCXXX.

METEOROLOGICAL JOURNAL FOR JULY, 1829.

1829. 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	29.647	65.3	29.513	66.9	55	59.7	61.8	57.6	65.5	0.292	SSE	Overcast—rain.
♂ 2	29.587	73.5	29.631	68.7	51	64.6	66.7	55.7	68.7	0.097	SSW	Fine and clear—brisk wind.
♀ 3	29.609	67.8	29.477	67.7	56	64.5	62.8	57.0	67.8		SSE	{ Cloudy—showery. Rain, with high wind, at night.
♂ 4	29.631	73.5	29.573	67.8	50	63.5	58.7	52.8	68.6	0.036	WSW	A.M. Fine and clear. P.M. Overcast.
☉ 5	29.585	63.1	29.660	67.1	51	58.4	60.7	50.7	66.7	0.089	W	Cloudy. Evening fine and clear.
♂ 6	29.876	69.7	29.893	69.3	55	66.0	69.7	52.8	71.7	0.125	W	Fine and clear—light wind.
♂ 7	29.878	65.7	29.741	65.9	60	60.7	60.7	55.8	67.7	0.042	WSW	Overcast—brisk wind. Rain.
♀ 8	29.834	70.3	29.786	70.7	55	67.3	69.3	55.8	71.7	0.044	NW	Fine—light clouds.
♂ 9	29.741	67.7	29.809	68.3	51	63.2	65.7	56.7	67.7		NW	Fine—cloudy.
♀ 10	29.913	70.6	29.817	70.2	50	66.7	65.0	53.4	68.8		SW	{ A.M. Fine. P.M. Lowering. Evening, rain.
♂ 11	29.556	66.4	29.485	67.1	61	62.3	61.6	58.9	65.8	0.022	SSE	Lowering. P.M. Heavy rain.
☉ 12	29.422	67.7	29.497	69.0	62	63.7	68.0	56.7	69.2	0.514	WSW	Fine and clear—cloudy.
♂ 13	29.658	66.3	29.733	70.3	60	63.7	68.5	56.4	69.5	0.100	SSW	Lowering.
♂ 14	29.889	69.2	29.861	70.3	66	66.4	68.7	62.8	73.7		SSW	Cloudy. Heavy rain A.M.
♀ 15	30.014	74.6	29.982	73.0	60	68.7	73.5	58.3	74.7	0.125	W	Fine and clear—light clouds.
☉ ♂ 16	29.947	74.3	29.958	72.9	56	66.9	69.5	57.8	73.2		W	Fine. Heavy showers P.M.
♀ 17	29.910	68.3	29.683	68.0	60	64.1	60.3	56.4	64.8	0.125	SSE	Lowering—light wind. Rain P.M.
♂ 18	29.562	68.7	29.589	70.3	64	64.3	66.7	59.7	69.8	0.239	SE	{ A.M. Lowering—heavy showers. P.M. Fine.
☉ 19	29.785	70.2	29.867	71.7	60	65.9	66.4	59.8	70.2	0.322	NW	Fine—lightly cloudy.
♂ 20	30.097	73.0	30.088	71.3	54	66.3	70.6	51.7	71.1	0.047	NW	Fine and clear.
♂ 21	30.254	72.3	30.238	71.6	57	66.9	73.8	54.0	74.7		WSW	Fine—light clouds.
♀ 22	30.260	74.3	30.205	73.7	62	69.8	76.2	59.3	78.3		W	Fine and clear—cloudy.
♂ 23	30.187	68.7	30.153	72.4	62	63.7	71.4	60.7	73.3		W	A.M. Overcast. P.M. Fine.
♀ 24	30.030	75.2	29.954	74.3	66	68.0	71.7	59.3	72.0		E	Fine—cloudy.
♂ 25	29.873	70.6	29.897	74.5	65	65.8	74.6	64.2	75.4	0.183	WSW	{ A.M. Thunder and lightning, from 1h to 2h, with hail and rain.
☉ 26	30.028	65.3	30.060	65.6	57	57.8	58.9	56.0	60.6		N	Overcast. Shower at noon.
♂ 27	30.101	65.1	30.102	66.9	56	59.3	64.0	48.7	66.8	0.008	NNE	Fine—light clouds.
♂ 28	30.098	70.7	29.999	67.7	51	66.3	67.9	51.7	70.3		WSW	Fine and clear.
♀ 29	29.642	64.2	29.664	68.0	59	60.1	69.2	58.4	69.7	0.153	SE	A.M. Showers, early. Fine—cloudy.
☉ ♂ 30	29.748	69.6	29.755	69.3	53	64.3	67.7	51.5	69.7		NNE	{ Fine—light clouds. Thunder and lightning at 4 P.M. with heavy rain.
♀ 31	29.977	60.7	30.070	66.7	58	58.5	64.0	52.3	65.3	0.347	NNW	A.M. Cloudy. P.M. Clear—brisk wind.
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Sum		
	29.850	69.1	29.830	69.6	57.5	64.1	66.9	56.2	69.8	2.910		

Monthly Mean of the Barometer, corrected for Capillarity and reduced to 32° Fahr. { 9 A.M. 3 P.M. }
 { 29.760 29.737 }

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 AUGUST, 1829.

1829. 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.			
h 1	30.248	67.5	30.242	67.6	63	63.3	66.0	51.3	68.7		NNW	{ A.M. Fine and clear. P.M. Lowering —distant thunder.
⊙ 2	30.289	66.7	30.262	68.7	57	65.7	72.7	54.3	73.7		W	Fine and clear—light clouds and wind.
⋈ 3	30.122	66.8	29.965	66.7	59	65.5	63.0	57.7	67.7		SW var.	Rain—light brisk wind.
♂ 4	29.826	67.8	29.791	66.8	55	61.0	62.6	50.7	64.4	0.183	W	Cloudy—brisk wind. Showery P.M.
♀ 5	29.912	63.7	30.010	66.7	57	61.8	65.9	53.8	65.8	0.039	NNW	{ Fine—light clouds and breeze. P.M. Cloudy.
⊥ 6	30.078	64.0	30.070	68.2	60	62.7	66.7	54.3	69.4		W	Lowering.
♀ 7	30.184	64.7	30.207	68.9	61	61.7	70.6	60.3	71.7	0.114	E	A.M. Light rain, early. P.M. Fine.
h 8	30.240	68.4	30.188	71.4	64	67.0	76.5	58.7	76.5		E	Fine and clear—light clouds.
⊙ 9	30.115	67.4	30.041	71.2	66	66.3	71.2	57.6	71.7		SSW	{ A.M. Cloudy. P.M. Clear —light clouds. Breeze.
⋈ 10	29.935	66.2	29.921	69.3	60	60.7	69.3	60.5	70.2	0.406	W	{ A.M. Heavy rain, early. P.M. Fine and clear.
♂ 11	30.123	64.7	30.144	67.4	53	61.7	67.7	54.8	69.3	0.112	W	Fine—light clouds.
♀ 12	30.137	65.8	30.065	69.4	61	65.7	70.7	58.3	71.8		S	Fine and clear—light wind.
⊥ 13	29.778	66.3	29.728	69.7	66	66.2	67.3	61.4	72.8		SSW	{ A.M. Fine. P.M. Lowering. Light wind.
○ ♀ 14	29.505	65.7	29.452	68.2	64	64.4	68.2	61.3	69.8	0.097	SE	Cloudy—heavy rain.
h 15	29.577	60.8	29.628	61.8	56	56.5	57.8	53.3	60.4	0.180	W var.	Rain. Light brisk wind.
⊙ 16	29.967	58.7	30.053	61.7	54	57.6	61.0	51.0	62.6	0.292	NNW	Fine and clear—cloudy. Brisk wind.
⋈ 17	30.180	56.8	30.155	63.7	51	57.0	65.3	46.7	66.4		W	{ A.M. Fine & cloudless. P.M. Broken clouds.
♂ 18	29.847	59.3	29.753	62.7	58	58.3	62.4	55.4	64.3	0.092	SSW	Overcast—rain. Light wind.
♀ 19	29.526	63.7	29.476	65.3	60	63.7	66.3	58.0	67.3	0.147	WSW	Fine and clear—cloudy. Showery P.M.
⊥ 20	29.284	60.7	29.500	62.7	59	59.7	61.3	55.7	63.3	0.083	SSW	Rain. Evening clear.
♀ 21	29.841	60.0	29.902	62.3	52	63.3	62.6	51.8	63.3	0.114	NNW	Fine—light clouds.
h 22	29.924	58.7	29.791	62.3	53	59.3	61.4	52.2	63.4		S	{ Cloudy. At night, strong high wind with heavy rain.
⊙ 23	29.514	63.8	29.504	67.5	63	63.0	66.2	59.5	68.3	0.286	SSW	Cloudy—brisk wind. Rain A.M.
⋈ 24	29.347	63.3	29.525	63.6	59	60.4	62.7	59.3	62.9	0.128	W	Lightly cloudy and showery.
♂ 25	29.922	58.7	29.999	62.3	52	58.0	62.5	49.7	63.4	0.161	WSW	Fine and clear—brisk wind.
♀ 26	30.060	59.6	29.914	62.6	57	59.3	61.2	51.3	62.7		S	Cloudy. At night, strong wind.
⊥ 27	29.626	62.4	29.560	63.3	48	60.4	60.9	57.8	65.7	0.008	WSW	Fine and clear. Evening, brisk wind.
♀ 28	29.521	58.4	29.650	61.6	56	58.4	60.3	53.8	61.0	0.272	NW	{ Light clouds and brisk wind. At night, rain and strong wind.
⊙ h 29	29.918	60.0	30.499	64.3	59	59.0	64.0	54.7	64.2	0.125	N	Clear—light clouds—strong brisk wind.
⊙ 30	30.193	57.2	30.173	61.0	52	55.7	61.3	52.3	62.3		NNW	Fine and clear—light wind.
⋈ 31	30.100	56.7	30.068	60.7	56	56.3	59.7	53.3	60.7		NNW	Cloudy—light wind.
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Sum		
	29.898	62.7	29.911	65.5	57.8	61.3	65.0	55.2	66.6	2.839		

Monthly Mean of the Barometer, corrected for Capillarity and reduced to 32° Fahr. { 9 A.M. 3 P.M. }
 { 29.823 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 SEPTEMBER, 1829.

1829. 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	29.998	58.3	29.965	64.0	57	57.4	63.5	54.3	64.2	0.044	NNE	{ Cloudy—light wind. Evening, light rain.
♀ 2	29.955	60.6	29.980	65.6	59	59.7	63.8	56.4	66.5	0.008	NNW	Cloudy and foggy. Evening clear.
♂ 3	30.176	57.4	30.510	61.3	49	55.3	62.4	52.2	63.2		NW	Fine and clear—lightly cloudy.
♀ 4	30.009	58.0	29.945	61.7	50	56.6	62.0	53.6	63.3		W	Fine and clear—cloudy.
h 5	29.712	58.2	29.581	62.0	56	58.3	60.3	51.9	63.5		SSE	{ Overcast—light wind. At night, light rain.
⊙ 6	29.531	61.7	29.499	63.8	59	60.8	63.3	54.8	65.2	0.005	WSW	Fine—lightly overcast.
♂ 7	29.663	59.8	29.658	64.3	54	58.5	63.7	52.3	64.3	?	S	{ Fine and clear—light clouds. Showery P.M.
♂ 8	29.496	61.3	29.563	63.4	59	61.3	60.7	54.4	65.2	?	S var.	{ Heavy rain, early A.M. Fine and clear—brisk wind.
♀ 9	29.671	59.7	29.682	64.2	55	58.7	64.2	52.7	65.5	0.389?	WSW	Fine and clear—light wind.
♂ 10	29.387	62.7	29.357	66.5	61	62.0	66.7	58.8	66.7	0.389?	SE	{ A.M. Cloudy. P.M. Fine and clear. Light brisk wind.
♀ 11	29.606	60.0	29.689	64.6	55	59.4	62.8	55.4	65.2	?	WSW	Fine and clear. Evening rainy.
h 12	29.663	59.2	29.630	63.3	54	57.3	60.3	50.3	63.7	0.203	W	Fine and clear—cloudy. Light showers.
⊙ 13	29.565	56.0	29.442	62.4	53	55.7	61.4	47.5	62.7	0.011	SSW	Fine and clear. Heavy rain at night.
♂ 14	29.208	57.3	29.300	61.6	48	54.4	56.6	52.4	61.6	0.556	W	A.M. Fine. P.M. Showery.
♂ 15	29.668	53.7	29.765	60.4	45	53.0	59.1	44.9	61.3	0.050	W	{ Very clear. P.M. Showery: at 4h. thunder and lightning.
♀ 16	29.561	54.7	29.535	57.2	52	52.5	54.7	49.5	54.7	0.408	N	Foggy. Light brisk wind.
♂ 17	29.868	55.3	29.807	59.2	50	50.6	57.9	44.8	58.3	0.033	WNW	Overcast. At night, rain.
♀ 18	29.175	56.7	29.161	61.2	56	56.7	59.7	45.0	63.8	0.389	ESE	Fine—lightly cloudy.
h 19	29.472	56.7	29.631	56.8	54	54.5	55.2	51.7	56.7		NW	Overcast.
⊙ 20	29.929	55.9	29.898	58.7	51	51.7	58.4	45.7	58.8	0.089	NW	Fine—light clouds.
♂ 21	29.761	56.7	29.798	61.3	54	56.4	61.0	51.4	62.3	0.011	W	Fine and clear—light clouds.
♂ 22	29.880	55.7	29.812	60.5	53	55.7	60.0	48.4	61.4	0.056	WSW	Fine—lightly cloudy.
♀ 23	29.834	56.7	29.844	60.6	53	53.9	59.4	51.2	62.7	0.019	WSW	Fine—hazy.
♂ 24	29.957	55.7	29.913	59.6	51	53.7	58.2	51.6	59.7		WSW	A.M. Strong haze. P.M. Fine.
♀ 25	30.125	53.7	30.146	58.7	53	52.7	58.4	48.3	58.8		N	Fine. Strong fog at night.
h 26	30.232	51.6	30.168	59.4	49	51.2	59.3	46.2	62.0		N	Strong haze.
⊙ 27	29.892	60.7	29.797	61.3	58	61.8	60.3	50.4	62.0		WSW	{ Fine and clear—light wind. Showers at noon.
♂ 28	29.876	52.9	29.873	58.0	46	51.4	54.2	46.3	56.7	0.044	NW	Fine—light clouds.
♂ 29	29.983	51.0	29.986	54.6	42	48.6	54.0	44.3	54.3		N	Fine—light clouds.
♀ 30	30.213	50.2	30.212	54.8	43	44.3	54.2	42.4	54.3		N	A.M. Strong fog. P.M. Fine & clear.
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Sum		
	29.769	56.9	29.772	61.0	52.6	55.5	59.8	50.3	61.6	2.704		

Monthly Mean of the Barometer, corrected for Capillarity and reduced to 32° Fahr. { 9 A.M. 29.709 3 P.M. 29.702 }

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, 1829.

1829. October.	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	30.252	52.0	30.220	58.8	51	53.0	59.6	43.6	59.7		ENE	Fine—light brisk wind.
♀ 2	30.040	56.7	29.966	58.6	53	57.4	57.8	51.9	58.8		E	Overcast—showery. Brisk wind A.M.
h 3	29.840	58.9	29.788	58.6	55	58.8	56.8	54.3	58.8	0.131	SSW	Overcast. Heavy showers P.M.
⊙ 4	29.968	53.6	29.961	58.4	52	53.0	57.7	47.7	58.3	0.444	W	A.M. Fine. P.M. overcast.
☾ 5	29.571	56.7	29.570	59.1	54	54.8	56.8	52.7	59.4	0.056	W	A.M. Rain. P.M. Fine.
♂ 6	29.670	51.4	29.675	54.2	46	50.2	52.5	44.6	53.4	0.072	NW	Fine—light haze.
♀ 7	29.509	49.0	29.443	40.2	38	46.5	37.4	42.3	46.5		W	Overcast. Rain and snow P.M.
♂ 8	29.808	43.8	29.921	46.9	27	39.5	47.5	33.3	47.5	0.606	W	{ Fine and cloudless. A.M. Strong wind { early.
♀ 9	30.203	41.8	30.229	47.5	31	40.3	47.0	34.3	47.0		NW	Fine and cloudless—hazy.
h 10	30.432	44.0	30.428	50.4	41	43.7	54.7	35.7	56.0		WSW	Overcast and hazy.
⊙ 11	30.317	51.7	30.211	55.1	49	52.6	57.7	43.0	57.7		W	Cloudy—light wind.
☾ 12	30.152	54.7	30.138	56.2	48	54.7	56.2	52.2	56.3		NW	A.M. Cloudy. P.M. Fine.
♂ 13	30.033	55.2	29.873	57.2	49	55.4	56.8	50.3	57.5		SW	Lightly cloudy.
♀ 14	29.420	56.7	29.578	51.0	51	52.8	48.8	52.3	52.8	0.078	NNW	Cloudy—light rain.
♂ 15	30.227	43.7	30.259	48.8	34	41.7	48.5	37.3	47.7	0.025	N var	Fine and cloudless—hazy.
♀ 16	30.075	48.6	29.944	51.4	39	47.3	51.0	39.5	54.1		SSW	Overcast.
h 17	30.047	52.3	30.119	55.5	45	51.3	55.4	46.8	55.7		NW	Fine—light breeze.
⊙ 18	30.127	55.3	30.129	59.0	54	56.0	61.1	50.8	61.4		WSW	{ A.M. Cloudy. P.M. Cloudless—light { wind.
☾ 19	30.080	57.7	30.050	60.8	57	58.2	59.8	53.3	60.5		SW	A.M. Cloudy. P.M. Clear—light clouds.
♂ 20	29.873	58.8	29.808	60.5	56	57.5	59.4	55.5	60.2		SW	Clear—light clouds.
♀ 21	29.805	57.0	29.703	58.6	53	53.8	57.0	48.3	57.7	0.017	S	{ A.M. Clear & cloudless. P.M. Cloudy. { Evening rainy.
♂ 22	29.658	54.4	29.728	55.1	42	51.4	53.0	48.6	53.7	0.100	W	A.M. Cloudy. P.M. Fine.
♀ 23	29.955	49.7	29.934	51.6	41	44.8	49.8	41.7	49.8	0.019	NNW	Fine—hazy.
h 24	29.957	46.7	29.913	51.5	43	45.7	51.2	39.8	51.2		NNE	Fine—light clouds.
⊙ 25	30.141	45.4	30.197	52.8	42	44.3	51.8	40.2	51.8		NNW	Fine—hazy.
☾ 26	30.350	50.0	30.344	51.5	48	48.7	51.0	43.7	50.7		NNE	Hazy.
♂ 27	30.397	46.3	30.322	49.5	41	41.7	49.5	40.2	49.7		NNW	A.M. Foggy. P.M. Cloudless—hazy.
♀ 28	30.245	50.8	30.278	51.2	48	48.6	48.6	41.3	49.7		NNE	Clear—light clouds and wind.
♂ 29	30.347	43.7	30.275	47.5	36	42.1	45.4	39.2	45.4		NNE	Fine—hazy.
♀ 30	30.092	46.7	30.499	53.0	43	46.3	52.2	39.9	53.1		WSW	Lightly cloudy—hazy. Rain P.M.
h 31	29.917	51.7	29.990	45.7	44	46.9	49.8	45.4	49.8		NNE	{ A.M. Overcast. P.M. Clear—light { clouds.
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Sum		
	30.016	51.1	30.016	53.4	45.5	49.6	53.0	44.8	53.9	1.548		

Monthly Mean of the Barometer, corrected for Capillarity and reduced to 32° Fahr. { 9 A.M. 3 P.M. }
 { 29.971 29.965 }

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, 1829.

1829. Novem.	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	30.157	43.8	30.171	44.5	27	35.7	41.8	31.7	41.8	0.025	NW	Cloudless—hazy.
☾ 2	30.196	41.7	30.212	46.8	36	39.3	47.2	32.8	47.2		WSW	Fine—hazy.
♂ 3	30.209	45.9	30.132	47.6	38	43.6	47.2	38.3	47.3		WSW	Lightly cloudy—hazy.
♀ 4	29.803	48.7	29.647	51.0	45	48.2	50.8	43.0	51.3		S	Overcast and foggy. Rain P.M.
♂ 5	29.967	48.8	30.267	51.5	43	43.2	50.4	39.7	50.4	0.131	W	Nearly cloudless.
♀ 6	29.978	50.0	29.877	53.6	45	48.3	52.0	42.3	52.7		WSW	Lightly cloudy—hazy.
♂ 7	29.908	49.3	29.884	51.2	42	45.2	48.8	42.8	48.8	0.011	WNW	Nearly cloudless—hazy.
☉ 8	30.017	42.5	30.015	49.6	38	38.5	47.0	34.6	46.6		WSW	Fine—lightly cloudy—light wind.
☾ 9	30.046	47.7	30.081	49.6	43	43.8	48.4	37.4	48.4		W	Fine—lightly cloudy—light wind.
♂ 10	30.007	48.4	29.866	51.2	43	43.3	49.5	43.3	52.4		SSW	Lightly cloudy.
☉ ♀ 11	29.964	48.6	30.018	51.4	42	42.4	48.8	40.3	52.2		W	Strong fog.
♂ 12	29.884	51.6	29.839	55.6	52	52.7	56.4	41.2	56.4	0.278	W	Overcast—foggy.
♀ 13	30.052	54.6	30.160	52.4	50	50.4	47.0	49.8	50.4	0.006	E	Overcast—foggy.
♂ 14	30.185	51.4	30.117	51.8	43	44.1	46.8	41.4	47.8	0.006	E	Overcast—foggy.
☉ 15	29.890	51.8	29.822	53.6	48	48.5	51.8	42.7	51.8		WSW	Lightly cloudy. Light rain.
☾ 16	30.169	46.3	30.247	48.0	31	38.4	41.2	35.4	41.4	0.011	N	Clear and cloudless—light wind.
♂ 17	30.377	42.6	30.314	45.8	34	34.8	41.4	31.3	41.4		NNE	A.M. Cloudless. P.M. Light clouds.
♀ 18	30.387	43.7	30.388	46.2	38	38.3	41.8	33.8	41.8		NNE	Light clouds and haze.
♂ 19	30.428	39.7	30.364	40.5	32	32.3	35.5	30.3	35.5		NNE	Strong fog.
♀ 20	30.352	39.2	30.300	40.2	30	30.3	36.4	27.5	36.4		NW	Very dense fog. Hoar frost A.M.
♂ 21	30.286	37.9	30.204	39.8	32	32.4	38.6	26.8	38.6		NW	A.M. Strong fog. P.M. Fine.
☉ 22	29.662	39.2	29.477	41.8	38	38.3	42.0	31.3	42.0		SSW	Cloudy—light rain.
☾ 23	29.603	40.7	29.103	42.5	38	40.3	40.8	36.2	41.7	0.064	NNE	Light clouds. Rain P.M.
♂ 24	29.662	40.6	29.016	40.6	33	39.2	38.0	36.4	38.8	0.019	NE	Overcast—light brisk wind.
♀ 25	29.526	37.2	30.109	37.2	32	31.9	33.0	29.7	36.3		NE	Snow.
☉ ♀ 26	29.858	38.6	29.796	40.5	36	37.8	39.2	30.3	39.2	0.128	E	A.M. Overcast. P.M. Fine.
♀ 27	29.779	41.9	29.720	42.2	38	38.4	40.4	36.2	40.4	0.014	N	{ A.M. Strong fog. P.M. Light depo- sition.
♂ 28	29.751	42.3	29.237	43.7	40	40.0	42.5	36.6	42.5		NNE	Foggy.
☉ 29	29.860	44.0	29.843	45.3	41	41.7	43.7	39.3	43.7		NNE	Foggy.
☾ 30	29.858	43.7	29.815	44.2	39	40.7	40.0	38.9	40.7		ESE	Foggy—light wind.
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Sum		
	29.994	44.7	29.935	46.7	38.9	40.7	44.3	36.7	44.9	0.693		

Monthly Mean of the Barometer, corrected for Capillarity and reduced to 32° Fahr. { 9 A.M. 3 P.M. }
 { 29.966 29.902 }

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, 1829.

1829. Decem.	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	29.817	43.3	29.843	40.4	40	40.1	39.8	38.9	40.7	0.017	ESE	Light clouds and wind.	
♀ 2	29.753	42.7	29.714	44.2	40	40.6	43.4	38.3	43.4		E	Foggy.	
♂ 3	29.799	43.8	29.995	44.5	41	41.5	42.8	39.8	42.8		ESE	Foggy—light wind.	
♀ 4	29.801	44.7	29.842	46.0	44	43.6	44.6	40.4	44.6		ESE	Light fog.	
h 5	30.272	46.6	30.349	48.2	45	45.5	48.5	42.7	48.5		ESE	Foggy.	
⊙ 6	30.522	47.3	30.490	46.3	42	42.0	39.7	41.3	42.0		ENE	Overcast—light wind.	
☾ 7	30.374	39.7	30.273	40.1	29	32.2	35.2	28.4	35.4		NE	Foggy. Hoar frost A.M.	
♂ 8	30.313	39.8	30.341	39.5	29	35.0	35.4	30.9	35.4		WSW	Overcast—light wind.	
♀ 9	30.379	39.3	30.291	38.2	29	33.4	36.0	31.4	36.0		NNE	A.M. Foggy. P.M. Fine.	
⊙ 10	30.139	38.2	30.100	38.6	33	35.7	36.2	32.3	36.2		ENE	Overcast.	
♀ 11	30.163	40.0	30.151	41.0	31	37.6	39.2	31.7	39.2		SSE	A.M. Overcast. P.M. Fine.	
h 12	30.180	40.6	30.172	42.0	35	38.7	41.2	35.0	42.6		SSW	Light clouds and wind.	
⊙ 13	30.230	43.2	30.213	46.4	39	39.7	46.0	37.7	46.0		S	Clear and cloudless—light wind.	
☾ 14	30.304	43.3	30.306	43.8	37	37.0	39.6	35.2	39.6		N	Strong fog.	
♂ 15	30.341	40.0	30.306	40.8	33	33.7	39.6	31.6	39.6		N	Fog.	
♀ 16	30.268	41.3	30.191	41.2	37	37.0	39.5	32.7	39.5		N	{ Lightly cloudy. Evening, drizzling rain.	
♂ 17	29.985	39.6	29.884	40.6	35	35.3	37.5	34.4	37.5		NNE	Overcast.	
♀ 18	29.628	40.3	29.672	41.4	35	36.0	38.0	31.8	38.3		NE	Cloudy and foggy. A.M. light snow.	
h 19	29.868	39.3	29.828	40.4	34	35.6	36.5	32.8	37.0		N	Light clouds and wind.	
⊙ 20	29.852	37.6	29.877	37.2	26	32.3	33.1	30.7	33.1		N	{ Overcast—light wind. A.M. Fall of snow, early.	
☾ 21	29.918	34.7	29.830	36.0	25	28.3	33.0	26.3	33.0		WSW	Foggy. Snow P.M.	
♂ 22	29.721	34.7	29.716	36.8	30	32.3	34.8	27.0	34.8		0.033	E	Overcast.
♀ 23	29.747	34.6	29.678	32.5	27	31.7	29.0	29.7	31.7		0.044	NNE	Overcast—brisk wind.
♂ 24	29.714	30.8	29.728	31.8	25	27.7	28.9	24.6	30.3		0.008	N	Overcast. Snow A.M.
♀ 25	30.026	32.9	30.067	33.8	25	29.4	30.6	26.5	30.6			NE	Light clouds and wind.
☾ 26	30.307	30.5	30.330	30.5	22	27.2	28.0	25.6	28.0			N	Fine—light clouds.
⊙ 27	30.403	29.2	30.380	30.8	24	25.8	28.5	25.5	28.5			NE	A.M. Fine. P.M. Overcast.
☾ 28	30.329	26.5	30.230	28.6	20	20.5	29.8	18.2	29.8			NW	Overcast.
♂ 29	30.302	28.0	30.313	28.2	21	24.5	26.5	20.2	27.2			NE	Overcast—light fog.
♀ 30	30.413	28.8	30.419	30.2	20	27.5	30.0	23.8	30.0			S	Overcast—light wind.
♂ 31	30.500	30.5	30.539	32.4	25	31.0	31.8	27.5	31.8			E	A.M. Overcast. P.M. Fine.
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Sum			
	30.109	37.8	30.099	38.5	31.5	34.1	36.2	31.4	36.6	0.102			

Monthly Mean of the Barometer, corrected for Capillarity and reduced to 32° Fahr. { 9 A.M. 30.098 3 P.M. 30.086 }

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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