

METEOROLOGICAL JOURNAL,

KEPT BY THE ASSISTANT SECRETARY

AT THE APARTMENTS OF THE

ROYAL SOCIETY,

BY ORDER OF

THE PRESIDENT AND COUNCIL.

MDCCCXXIX.

METEOROLOGICAL JOURNAL FOR JANUARY, 1829.

| 1829. January. | 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 | 29.854 | 44.0 | 29.822 | 46.8 | 40 | 40.8 | 45.7 | 37.2 | 45.7 | 0.008 | WSW | Fine and clear—light brisk wind. |
| ♀ 2 | 29.860 | 43.2 | 29.917 | 45.1 | 37 | 38.7 | 43.0 | 36.8 | 43.0 | | NNW | Fine—faint haze, and light wind. |
| ♂ 3 | 29.916 | 42.8 | 29.921 | 43.8 | 38 | 38.8 | 41.5 | 35.3 | 41.5 | | WSW | A.M. Strong haze. P.M. Fine. |
| ☉ 4 | 29.578 | 43.7 | 29.453 | 45.7 | 42 | 42.2 | 42.8 | 37.9 | 43.7 | 0.219 | WSW | { A.M. Foggy—rain. P.M. Cloudless —brisk wind. |
| ☾ 5 | 29.704 | 40.2 | 29.814 | 40.3 | 34 | 35.8 | 36.0 | 34.4 | 36.7 | 0.008 | N | Fine and cloudless—light wind. |
| ♂ 6 | 29.976 | 35.8 | 29.973 | 38.0 | 31 | 31.0 | 35.2 | 29.3 | 35.2 | | N | { A.M. Cloudless—light wind. P.M. Hazy. Snow at night. |
| ♀ 7 | 30.011 | 37.2 | 29.951 | 38.6 | 34 | 35.4 | 37.3 | 30.2 | 37.3 | | NNE | A.M. Foggy. P.M. Fine. |
| ☿ 8 | 29.872 | 36.7 | 29.856 | 37.3 | 32 | 33.3 | 34.7 | 31.8 | 34.7 | | N | Foggy. P.M. Snow. |
| ♀ 9 | 29.795 | 37.6 | 29.707 | 39.0 | 33 | 34.8 | 36.7 | 32.5 | 36.7 | | N | Foggy—light wind. |
| ♂ 10 | 29.624 | 38.7 | 29.656 | 39.9 | 35 | 36.0 | 38.3 | 33.8 | 38.3 | | N | Light clouds—foggy. |
| ☉ 11 | 29.878 | 38.3 | 29.910 | 37.3 | 30 | 30.6 | 31.3 | 29.8 | 32.6 | | E | Overcast and hazy. |
| ☾ 12 | 29.989 | 37.4 | 29.971 | 37.8 | 32 | 36.7 | 36.2 | 29.3 | 36.7 | | N | Overcast and hazy. |
| ♂ 13 | 30.090 | 37.3 | 30.076 | 38.8 | 32 | 35.9 | 37.8 | 34.0 | 37.8 | | E | Overcast and foggy. |
| ♀ 14 | 30.049 | 37.7 | 30.026 | 38.9 | 34 | 34.7 | 37.3 | 32.7 | 37.3 | | N | { Lightly overcast and foggy. Snow at noon. |
| ☿ 15 | 29.924 | 38.8 | 29.809 | 39.7 | 35 | 36.3 | 37.4 | 34.0 | 37.4 | 0.014 | NNE | Overcast and foggy. |
| ♀ 16 | 29.631 | 37.4 | 29.609 | 36.3 | 25 | 32.2 | 30.2 | 31.0 | 32.2 | | NNE | Overcast and foggy. |
| ♂ 17 | 29.762 | 33.7 | 29.807 | 35.2 | 21 | 30.0 | 32.0 | 27.3 | 32.0 | | N | Overcast and foggy. |
| ☉ 18 | 29.967 | 33.5 | 29.999 | 34.7 | 25 | 27.8 | 31.7 | 25.8 | 31.7 | | N | Dense fog—dark. |
| ☾ 19 | 30.130 | 32.8 | 30.117 | 33.7 | 25 | 27.7 | 33.7 | 25.7 | 33.7 | | N | { A.M. Very dense fog. P.M. Fine and clear. Evening foggy. |
| ☿ 20 | 30.032 | 31.3 | 29.971 | 33.6 | 24 | 27.7 | 31.4 | 22.7 | 31.4 | | N | { A.M. Fog and hoar frost. P.M. Fine —strong haze. |
| ♀ 21 | 29.893 | 32.7 | 29.829 | 32.6 | 22 | 28.4 | 29.3 | 26.3 | 29.3 | | E | Overcast and foggy. Light snow. |
| ☿ 22 | 29.673 | 29.7 | 29.635 | 30.6 | 18 | 25.2 | 29.5 | 22.3 | 29.5 | | ESE | Fine and cloudless—light wind. |
| ♀ 23 | 29.547 | 29.8 | 29.489 | 28.7 | 16 | 25.3 | 22.8 | 23.4 | 25.3 | | E | Light clouds and haze. Snow P.M. |
| ♂ 24 | 29.524 | 25.5 | 29.559 | 28.6 | 22 | 22.7 | 27.7 | 19.5 | 27.7 | | NNW | Overcast and hazy—light wind. Snow. |
| ☉ 25 | 29.641 | 27.6 | 29.606 | 28.3 | 22 | 22.6 | 24.4 | 21.3 | 33.0 | | W | A.M. Overcast. P.M. Fine & cloudless. |
| ☾ 26 | 29.041 | 30.8 | 29.100 | 34.4 | 35 | 35.2 | 43.2 | 20.7 | 43.2 | 0.042 | E | A.M. Foggy. |
| ♂ 27 | 29.113 | 36.7 | 29.131 | 39.7 | 38 | 38.3 | 41.4 | 34.2 | 41.4 | | S | Fine—lightly cloudy. |
| ♀ 28 | 29.377 | 37.7 | 29.517 | 40.8 | 35 | 35.1 | 41.6 | 33.4 | 41.6 | | SW | { A.M. Cloudless. P.M. Overcast and hazy. |
| ☿ 29 | 29.547 | 37.7 | 29.473 | 40.8 | 34 | 35.2 | 40.3 | 32.7 | 40.3 | | NE | Overcast. Strong fog A.M. |
| ♀ 30 | 29.526 | 39.4 | 29.664 | 42.2 | 35 | 34.8 | 40.4 | 32.2 | 40.4 | | N | Lightly overcast. Fine at noon. |
| ♂ 31 | 30.141 | 40.3 | 30.230 | 38.7 | 37 | 37.4 | 38.7 | 34.1 | 38.7 | | N | Cloudy—light wind. |
| | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Sum | | |
| | 29.763 | 36.3 | 29.761 | 37.6 | 30.7 | 33.1 | 35.8 | 30.1 | 36.3 | 0.291 | | |

Monthly Mean of the Barometer, corrected for Capillarity and reduced to 32° Fahr. { 9 A.M. 3 P.M. }
 { 29.755 29.750 }

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 FEBRUARY, 1829.

| 1829. February. | 9 o'clock, A.M. | | 3 o'clock, P.M. | | Dew Point at 9 A.M. in degrees 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 | 30.449 | 36.3 | 30.474 | 38.3 | 24 | 32.3 | 35.7 | 29.3 | 35.7 | 0.125 | N | Lightly cloudy—light wind. |
| ☾ 2 | 30.575 | 33.3 | 30.565 | 35.8 | 22 | 25.7 | 33.4 | 23.2 | 33.4 | | ESE | Fine and cloudless. |
| ♂ 3 | 30.593 | 32.4 | 30.566 | 35.3 | 24 | 27.0 | 34.8 | 23.9 | 34.8 | | S | { A.M. Fog and hoar frost. P.M. Fine and cloudless. |
| ☿ 4 | 30.417 | 34.8 | 30.321 | 36.7 | 32 | 34.4 | 38.3 | 25.7 | 43.6 | 0.050 | SSW | Foggy—rain. |
| ♂ 5 | 30.145 | 39.7 | 30.230 | 42.8 | 44 | 44.5 | 43.7 | 33.6 | 44.5 | | NNW | Cloudy—light wind. |
| ♀ 6 | 30.341 | 42.7 | 30.285 | 45.7 | 39 | 39.0 | 43.7 | 37.5 | 43.7 | | W | Foggy. P.M. Very light rain. |
| ♂ 7 | 30.163 | 44.7 | 30.129 | 46.7 | 42 | 42.8 | 46.3 | 38.3 | 46.3 | 0.014 | W | Overcast and foggy. |
| ☉ 8 | 30.312 | 44.2 | 30.381 | 43.8 | 41 | 41.3 | 39.4 | 40.1 | 41.3 | | N | Overcast. Foggy A.M. |
| ☾ 9 | 30.325 | 42.2 | 30.290 | 44.4 | 34 | 39.2 | 43.5 | 34.0 | 43.5 | | W | { A.M. Foggy. P.M. Fine—cloudy—light wind. |
| ♂ 10 | 30.426 | 42.5 | 30.428 | 42.2 | 35 | 37.6 | 38.8 | 36.5 | 41.0 | 0.008 | E | Overcast. |
| ☿ 11 | 30.339 | 43.7 | 30.300 | 46.2 | 42 | 42.3 | 47.3 | 36.7 | 47.3 | | SW | Overcast and foggy—light rain. |
| ♂ 12 | 30.273 | 46.2 | 30.221 | 48.2 | 42 | 42.8 | 45.8 | 41.2 | 46.3 | | S | Overcast and foggy—light rain. |
| ♀ 13 | 30.181 | 49.6 | 30.163 | 50.5 | 45 | 45.3 | 47.8 | 41.8 | 47.8 | 0.156 | W | A.M. Foggy. P.M. Fine—light wind. |
| ♂ 14 | 30.175 | 47.7 | 30.149 | 50.4 | 40 | 43.7 | 48.3 | 42.1 | 48.3 | | W | Lightly cloudy—hazy. |
| ☉ 15 | 30.108 | 48.3 | 30.086 | 51.3 | 45 | 45.3 | 49.4 | 43.3 | 49.7 | | WSW | { A.M. Fine. P.M. Foggy—very light rain. |
| ☾ 16 | 30.026 | 49.3 | 29.949 | 51.8 | 44 | 46.8 | 50.4 | 44.5 | 50.8 | 0.389 | SW | Fine—lightly overcast. |
| ♂ 17 | 29.801 | 47.7 | 29.834 | 50.3 | 42 | 42.7 | 47.7 | 40.2 | 47.7 | | WSW | Lightly overcast and hazy. |
| ☿ 18 | 29.886 | 46.3 | 29.860 | 46.8 | 38 | 38.3 | 37.5 | 36.0 | 38.7 | | SE | A.M. Fine & cloudless. P.M. Overcast. |
| ♂ 19 | 29.646 | 43.7 | 29.569 | 47.7 | 37 | 39.6 | 49.4 | 35.3 | 49.4 | 0.742 | ESE | Fine—lightly cloudy. |
| ♀ 20 | 29.641 | 48.3 | 29.620 | 50.3 | 44 | 44.9 | 49.6 | 38.8 | 49.6 | | SSW | Fine—cloudy. |
| ♂ 21 | 29.198 | 48.8 | 29.122 | 51.3 | 47 | 47.5 | 50.7 | 42.7 | 50.7 | | SSE | Cloudy—light rain. |
| ☉ 22 | 29.147 | 48.8 | 29.244 | 49.4 | 46 | 46.3 | 43.6 | 43.7 | 46.3 | 0.389 | WNW | Overcast and foggy. |
| ☾ 23 | 29.529 | 43.8 | 29.525 | 45.8 | 28 | 37.4 | 39.3 | 36.3 | 39.3 | | E | { A.M. Cloudy. P.M. Fine and clear. Light wind. |
| ♂ 24 | 29.434 | 41.5 | 29.448 | 43.2 | 35 | 35.7 | 39.7 | 32.5 | 39.7 | | E | Overcast and foggy. |
| ☿ 25 | 29.905 | 41.3 | 29.998 | 44.3 | 35 | 38.3 | 41.2 | 34.8 | 41.3 | 0.389 | ESE | Overcast and foggy. |
| ♂ 26 | 30.098 | 42.8 | 30.028 | 43.9 | 39 | 39.3 | 40.3 | 35.7 | 41.3 | | ESE | Overcast and foggy. P.M. Rain. |
| ♀ 27 | 30.118 | 45.3 | 30.221 | 46.3 | 41 | 41.7 | 41.6 | 38.4 | 41.7 | | NNE | Overcast and foggy—light wind. |
| ♂ 28 | 30.385 | 42.7 | 30.335 | 44.0 | 29 | 34.8 | 39.2 | 32.3 | 39.2 | | ESE | Fine and cloudless—light wind. |
| | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Sum | | |
| | 30.058 | 43.5 | 30.048 | 45.5 | 37.7 | 39.9 | 43.1 | 36.4 | 43.7 | 0.742 | | |

Monthly Mean of the Barometer, corrected for Capillarity and reduced to 32° Fahr. { 9 A.M. 30.032 3 P.M. 30.018 }

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.

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The Barometer is divided into inches and decimals.

METEOROLOGICAL JOURNAL FOR MARCH, 1829.

| 1829. March. | 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 | 30.173 | 36.3 | 30.131 | 38.7 | 32 | 32.7 | 33.3 | 27.0 | 34.7 | 0.036 | E | A.M. Fine—light wind. P.M. Overcast. |
| ☾ 2 | 30.173 | 36.9 | 30.204 | 38.6 | 33 | 35.0 | 36.7 | 31.2 | 35.7 | | ENE | Overcast and foggy. |
| ♂ 3 | 30.338 | 37.7 | 30.331 | 39.3 | 35 | 35.6 | 37.2 | 32.8 | 40.3 | | NNE | Overcast and foggy. |
| ♀ 4 | 30.167 | 40.7 | 30.133 | 42.8 | 41 | 41.1 | 41.9 | 34.7 | 42.3 | | NNE | Cloudy—light wind. |
| ☾ 5 | 30.215 | 39.3 | 30.156 | 42.6 | 36 | 36.8 | 42.7 | 32.3 | 42.7 | | ENE | { A.M. Foggy. P.M. Fine—lightly cloudy. Light wind. |
| ♀ 6 | 30.090 | 43.6 | 30.031 | 46.0 | 41 | 41.6 | 43.5 | 36.2 | 44.6 | | N | Overcast and foggy. |
| ♂ 7 | 29.987 | 43.7 | 29.981 | 46.7 | 41 | 41.0 | 45.7 | 38.7 | 45.7 | | N | Overcast and foggy—light wind. |
| ☉ 8 | 29.993 | 45.7 | 29.980 | 47.8 | 44 | 45.4 | 46.0 | 40.3 | 46.0 | | NNE | Cloudy and foggy. Light rain A.M. |
| ☾ 9 | 29.883 | 45.2 | 29.832 | 47.6 | 41 | 41.7 | 48.3 | 40.2 | 48.3 | | W | Lightly cloudy and foggy. |
| ♂ 10 | 29.872 | 44.4 | 29.859 | 47.3 | 36 | 40.0 | 45.0 | 37.0 | 45.0 | | N | { A.M. Cloudless. P.M. Cloudy—light wind. |
| ♀ 11 | 29.850 | 42.9 | 29.804 | 45.2 | 36 | 38.7 | 42.3 | 32.5 | 42.3 | NNE | Overcast and hazy—light wind. | |
| ☾ 12 | 29.763 | 41.7 | 29.703 | 44.7 | 32 | 37.8 | 39.9 | 33.7 | 41.3 | NE | { A.M. Overcast. P.M. Fine and clear. Light wind. | |
| ♀ 13 | 29.644 | 42.3 | 29.703 | 45.0 | 38 | 38.7 | 43.5 | 34.6 | 43.5 | NNE | Lightly cloudy—brisk wind. | |
| ♂ 14 | 29.873 | 41.8 | 29.867 | 44.3 | 24 | 37.6 | 41.3 | 34.3 | 41.3 | NNW | A.M. Fine. P.M. Overcast—light wind. | |
| ☉ 15 | 29.916 | 39.4 | 29.892 | 41.2 | 27 | 33.7 | 39.8 | 26.8 | 39.8 | WSW | Fine—light clouds and haze. | |
| ☾ 16 | 29.775 | 37.8 | 29.662 | 41.7 | 29 | 34.6 | 40.3 | 27.8 | 40.3 | E | Clear and cloudless—light wind. | |
| ♂ 17 | 29.497 | 38.7 | 29.476 | 42.8 | 29 | 37.7 | 46.5 | 28.7 | 46.5 | S | Fine—lightly cloudy. | |
| ♀ 18 | 29.710 | 40.7 | 29.721 | 47.3 | 41 | 41.4 | 51.3 | 33.0 | 52.4 | SSE | { Lightly overcast and foggy. Fine at noon. | |
| ☾ 19 | 29.657 | 48.7 | 29.573 | 53.9 | 43 | 51.4 | 58.3 | 40.6 | 58.4 | 0.014 | SSE | { Fine—light clouds—brisk wind. Light rain early A.M. |
| ☉ 20 | 29.668 | 55.2 | 29.796 | 57.4 | 51 | 53.4 | 57.6 | 50.2 | 58.6 | SW | Fine and clear—light brisk wind. | |
| ☾ 21 | 30.114 | 54.3 | 30.094 | 57.3 | 44 | 49.8 | 55.3 | 45.7 | 55.4 | E | Lightly cloudy—light wind. | |
| ☉ 22 | 29.917 | 49.6 | 29.825 | 53.7 | 45 | 45.3 | 48.6 | 38.4 | 51.7 | ENE | Fine—lightly cloudy—light wind. | |
| ☾ 23 | 29.817 | 51.0 | 29.884 | 52.7 | 41 | 47.6 | 47.1 | 42.8 | 49.4 | E | Fine—light clouds—brisk wind. | |
| ♂ 24 | 29.912 | 46.6 | 29.876 | 48.6 | 32 | 40.3 | 44.7 | 37.5 | 44.7 | NNE | Fine and clear—light wind. | |
| ♀ 25 | 29.939 | 41.1 | 29.910 | 45.3 | 30 | 36.8 | 45.7 | 27.6 | 45.7 | ENE | Fine and cloudless—light brisk wind. | |
| ☾ 26 | 29.983 | 44.3 | 29.965 | 47.2 | 31 | 42.2 | 45.7 | 34.8 | 45.7 | NNE | Lightly cloudy. | |
| ♀ 27 | 29.952 | 46.8 | 29.872 | 48.9 | 28 | 42.0 | 45.7 | 37.7 | 45.7 | ESE | Clear and cloudless. | |
| ☾ 28 | 29.660 | 44.3 | 29.531 | 48.7 | 39 | 42.9 | 50.7 | 33.6 | 50.7 | E | Fine and cloudless—light wind. | |
| ☉ 29 | 29.290 | 46.6 | 29.279 | 47.8 | 44 | 44.5 | 46.3 | 41.6 | 46.3 | 0.542 | NNE | { Thickly overcast and foggy. Heavy rain at 1 A.M. and afterwards. |
| ☾ 30 | 29.231 | 46.3 | 29.202 | 48.6 | 42 | 42.8 | 46.7 | 39.8 | 47.2 | NNE | Overcast and foggy. | |
| ♂ 31 | 29.221 | 46.0 | 29.230 | 48.0 | 41 | 41.7 | 44.3 | 39.7 | 44.3 | NE | Overcast—light wind. | |
| | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Sum | | |
| | 29.848 | 43.9 | 29.823 | 46.7 | 37.0 | 41.0 | 45.2 | 35.9 | 45.7 | 0.592 | | |

Monthly Mean of the Barometer, corrected for Capillarity and reduced to 32° Fahr. { 9 A.M. 29.821 3 P.M. 29.790 }

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 APRIL, 1829.

| 1829. April. | 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 | 29.416 | 44.3 | 29.426 | 47.5 | 31 | 39.8 | 45.3 | 34.7 | 45.8 | | NNW | Lightly cloudy. |
| ♃ 2 | 29.507 | 41.9 | 29.547 | 45.7 | 32 | 36.4 | 43.6 | 30.7 | 45.7 | 0.047 | NW | Fine—cloudy. Light snow at 7 A.M. |
| ♀ 3 | 29.678 | 44.2 | 29.699 | 48.4 | 31 | 39.6 | 48.3 | 31.8 | 48.3 | | NW | Fine—light clouds. |
| ♂ 4 | 29.700 | 48.3 | 29.609 | 51.7 | 41 | 47.8 | 51.3 | 36.8 | 52.3 | | S | { A.M. Clear. P.M. Soft clouds. Even- ing rainy. Light wind. |
| ☉ 5 | 29.375 | 50.7 | 29.280 | 53.6 | 44 | 49.0 | 52.7 | 43.8 | 53.6 | 0.034 | SSE | { Fine and clear—light broken clouds. Brisk wind. |
| ♂ 6 | 29.179 | 52.0 | 29.121 | 54.8 | 45 | 50.3 | 51.7 | 44.2 | 53.8 | | S | Soft broken clouds. Evening rainy. |
| ♂ 7 | 29.161 | 49.6 | 29.203 | 52.3 | 44 | 44.8 | 50.3 | 41.6 | 51.2 | 0.161 | SW | { A.M. Thickly overcast. P.M. Fine and clear. Evening rainy. |
| ♀ 8 | 29.418 | 49.0 | 29.411 | 52.5 | 43 | 46.0 | 49.2 | 37.6 | 51.2 | 0.056 | S | Lightly cloudy—showery. |
| ♃ 9 | 29.206 | 47.8 | 29.222 | 50.3 | 43 | 43.1 | 46.2 | 37.5 | 47.2 | 0.367 | ESE | Cloudy and foggy. Rain A.M. |
| ♀ 10 | 29.450 | 52.6 | 29.476 | 55.3 | 43 | 48.5 | 52.0 | 39.8 | 53.3 | 0.172 | WSW | Fine—lightly cloudy. |
| ♂ 11 | 29.632 | 52.6 | 29.593 | 55.7 | 40 | 47.8 | 53.7 | 38.8 | 56.1 | | SW | Fine—lightly overcast. Rain at night. |
| ☉ 12 | 29.237 | 53.3 | 29.211 | 57.3 | 51 | 51.8 | 56.8 | 47.3 | 57.6 | 0.158 | S | { Brisk wind. A.M. Lowering. P.M. Clear. Evening rainy. |
| ♂ 13 | 29.143 | 56.7 | 29.159 | 55.6 | 48 | 54.4 | 51.3 | 48.5 | 55.3 | 0.055 | SSW | A.M. Fine—brisk wind. P.M. Rain. |
| ♂ 14 | 29.291 | 55.3 | 29.096 | 57.2 | 46 | 51.7 | 54.1 | 42.7 | 57.3 | 0.136 | SSE | { A.M. Fine. P.M. Rain. Evening heavy rain and brisk wind. |
| ♀ 15 | 29.137 | 56.4 | 29.246 | 56.6 | 43 | 50.5 | 54.0 | 47.4 | 54.4 | 0.217 | S var. | { Strong wind A.M. Lowering. P.M. Fine. At noon heavy rain and bois- terous wind. |
| ♃ 16 | 29.231 | 52.3 | 29.281 | 52.5 | 47 | 47.3 | 47.6 | 44.7 | 49.7 | 0.033 | NNE | Overcast and foggy—rain. |
| ♀ 17 | 29.636 | 53.7 | 29.706 | 55.2 | 49 | 49.7 | 54.2 | 39.4 | 56.3 | 0.152 | WSW | Fine—soft clouds. Evening showery. |
| ♂ 18 | 29.834 | 54.3 | 29.815 | 56.3 | 45 | 51.8 | 55.7 | 44.8 | 59.2 | 0.028 | WSW | Fine—light clouds and wind. |
| ☉ 19 | 29.699 | 55.3 | 29.636 | 56.3 | 42 | 51.2 | 51.3 | 42.3 | 59.3 | | WSW | { A.M. Fine. P.M. Lowering—rain— strong wind. |
| ♂ 20 | 29.742 | 51.3 | 29.820 | 54.6 | 40 | 47.7 | 53.0 | 39.7 | 53.3 | 0.130 | NW | Cloudy. |
| ♂ 21 | 29.840 | 51.7 | 29.691 | 54.7 | 41 | 50.7 | 53.5 | 39.3 | 56.4 | | ESE | A.M. Cloudy. P.M. Clear—brisk wind. |
| ♀ 22 | 29.430 | 51.3 | 29.474 | 51.9 | 47 | 47.4 | 47.6 | 45.9 | 47.7 | | E | Overcast—light rain—brisk wind. |
| ♃ 23 | 29.692 | 51.2 | 29.725 | 55.2 | 43 | 48.3 | 56.6 | 44.4 | 56.7 | 0.033 | E | A.M. Overcast. P.M. Fine. |
| ♀ 24 | 29.742 | 51.1 | 29.792 | 52.8 | 48 | 48.3 | 48.7 | 44.7 | 50.0 | | NW | Cloudy. |
| ♂ 25 | 29.792 | 49.7 | 29.896 | 47.2 | 46 | 45.8 | 40.3 | 43.5 | 46.7 | 0.200 | N | Rain—light wind. |
| ☉ 26 | 30.118 | 50.2 | 30.088 | 51.7 | 35 | 46.8 | 50.5 | 35.4 | 51.4 | 0.213 | E | Fine—lightly cloudy. |
| ♂ 27 | 29.775 | 48.5 | 29.585 | 50.8 | 39 | 45.3 | 51.0 | 39.5 | 51.7 | | SSW | A.M. Fine. P.M. Showery. |
| ♂ 28 | 29.675 | 49.4 | 29.315 | 50.7 | 38 | 44.7 | 50.7 | 39.5 | 52.3 | 0.094 | WSW | { A.M. Overcast. P.M. Fine and clear —violent wind. |
| ♀ 29 | 29.687 | 47.6 | 29.757 | 49.4 | 29 | 43.7 | 43.7 | 37.8 | 46.3 | | W | A.M. Fine—brisk wind. P.M. Overcast. |
| ♃ 30 | 29.906 | 44.7 | 29.873 | 48.7 | 27 | 44.7 | 45.8 | 34.2 | 52.2 | | NNW | Cloudy. |
| | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Sum | | |
| | 29.545 | 50.6 | 29.525 | 52.7 | 41.4 | 47.2 | 50.4 | 40.6 | 52.4 | 2.286 | | |

Monthly Mean of the Barometer, corrected for Capillarity and reduced to 32° Fahr. { 9 A.M. 3 P.M. }
29.502 29.477 }

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 MAY, 1829.

| 1829. May. | 9 o'clock, A.M. | | 3 o'clock, P.M. | | Dew Point at 9 A.M. in de- grees of Fabr. | 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 | 29.641 | 49.9 | 29.654 | 53.9 | 47 | 52.7 | 56.7 | 44.3 | 57.3 | 0.019 | NNE | Fine—lightly cloudy—light wind. |
| h 2 | 29.690 | 56.7 | 29.678 | 57.7 | 45 | 56.5 | 58.8 | 46.8 | 61.3 | | WSW | Fine and clear—lightly cloudy. |
| ☉ 3 | 29.702 | 56.3 | 29.610 | 58.8 | 50 | 55.0 | 57.6 | 47.8 | 59.4 | | WSW | { Soft broken clouds—light wind. Even- ing rainy. |
| ☾ 4 | 29.822 | 58.3 | 29.921 | 59.4 | 37 | 52.8 | 59.7 | 46.3 | 61.2 | | NNW | Fine and clear—light clouds. |
| ♂ 5 | 30.044 | 59.0 | 30.029 | 59.0 | 46 | 56.6 | 58.6 | 45.3 | 60.3 | | S | Fine—diffused clouds. Strong wind. |
| ♀ 6 | 29.962 | 57.6 | 29.973 | 61.8 | 55 | 54.7 | 62.3 | 53.6 | 62.7 | | WSW | { Overcast—broken clouds. Light de- position A.M. |
| ♂ 7 | 30.007 | 58.7 | 29.992 | 60.7 | 51 | 55.3 | 58.3 | 44.4 | 59.7 | | W | { A.M. Lowering. P.M. Fine—nearly cloudless. |
| ♀ 8 | 30.185 | 61.8 | 30.161 | 62.7 | 53 | 58.7 | 63.6 | 45.3 | 64.6 | | E | Fine—cloudy. |
| h 9 | 30.163 | 60.7 | 30.114 | 63.3 | 49 | 57.7 | 63.5 | 48.4 | 64.4 | | NW | Fine—light clouds. |
| ☉ 10 | 30.092 | 64.3 | 30.052 | 65.4 | 52 | 60.6 | 66.5 | 49.7 | 69.2 | | W | Clear and cloudless—light breeze. |
| ☾ 11 | 30.067 | 65.7 | 30.011 | 65.3 | 52 | 60.0 | 62.3 | 51.5 | 62.8 | 0.097 | ESE | Fine—diffused clouds—light wind. |
| ♂ 12 | 29.978 | 65.7 | 29.941 | 65.8 | 51 | 61.3 | 61.7 | 52.5 | 65.2 | | E | Fine and clear—light brisk wind. |
| ♀ 13 | 29.978 | 65.6 | 29.954 | 64.7 | 50 | 61.3 | 63.7 | 46.8 | 64.6 | | ESE | Clear and cloudless—light wind. |
| ♂ 14 | 29.990 | 63.4 | 29.933 | 65.7 | 51 | 58.5 | 68.7 | 49.6 | 69.7 | | W | Fine and clear—light clouds. |
| ♀ 15 | 30.001 | 68.2 | 29.982 | 67.6 | 47 | 62.7 | 69.5 | 51.7 | 70.3 | | NNW | Fine—light clouds. |
| h 16 | 30.094 | 61.0 | 30.095 | 64.3 | 55 | 55.7 | 60.4 | 52.4 | 61.0 | | E | A.M. Overcast. P.M. Fine. |
| ☉ 17 | 30.171 | 66.4 | 30.137 | 65.7 | 51 | 60.8 | 64.8 | 47.7 | 65.4 | | E | Fine and cloudless—light wind. |
| ☉ 18 | 30.081 | 65.7 | 30.018 | 64.5 | 49 | 61.7 | 62.7 | 46.2 | 63.7 | | ESE | Fine and cloudless—light wind. |
| ♂ 19 | 29.925 | 66.7 | 29.908 | 65.5 | 54 | 62.3 | 65.3 | 47.6 | 66.7 | | E | Clear and cloudless—light breeze. |
| ♀ 20 | 29.961 | 65.3 | 29.957 | 66.3 | 49 | 62.3 | 69.0 | 50.5 | 69.8 | | E | Clear and cloudless—brisk wind. |
| ♂ 21 | 30.117 | 69.7 | 30.091 | 68.3 | 50 | 64.2 | 68.6 | 51.3 | 70.6 | 0.197 | NE | { Fine and clear—light clouds—brisk wind. |
| ♀ 22 | 30.163 | 62.7 | 30.135 | 65.8 | 47 | 55.5 | 67.9 | 44.7 | 69.3 | | N | Fine and clear—light clouds and wind. |
| h 23 | 30.232 | 69.0 | 30.185 | 69.0 | 54 | 62.8 | 72.9 | 49.4 | 74.7 | | NNE | Fine—light clouds. |
| ☉ 24 | 30.220 | 74.2 | 30.184 | 68.7 | 52 | 65.7 | 60.0 | 52.3 | 68.8 | | W | { A.M. Broken clouds. P.M. Rain. Evening Fine. |
| ☾ 25 | 30.409 | 62.3 | 30.414 | 62.3 | 46 | 53.4 | 57.6 | 46.6 | 58.2 | | NNE | Lightly cloudy—brisk wind. |
| ♂ 26 | 30.395 | 58.8 | 30.327 | 62.8 | 44 | 54.0 | 63.7 | 46.9 | 64.2 | | NNE | { Brisk wind. A.M. Cloudy. P.M. Cloudless. |
| ♀ 27 | 30.292 | 64.7 | 30.248 | 64.2 | 49 | 59.6 | 66.8 | 46.7 | 67.7 | | N | Clear and cloudless—brisk wind. |
| ♂ 28 | 30.219 | 66.3 | 30.169 | 66.2 | 53 | 62.3 | 69.3 | 48.8 | 69.7 | | NNE | Clear and cloudless—light brisk wind. |
| ♀ 29 | 30.191 | 61.7 | 30.201 | 65.7 | 53 | 57.5 | 64.0 | 49.4 | 65.2 | | N | Cloudy—brisk wind. |
| h 30 | 30.189 | 59.7 | 30.183 | 62.8 | 44 | 56.3 | 57.5 | 49.6 | 59.4 | | N | Interfused clouds—light wind. |
| ☉ 31 | 30.212 | 62.7 | 30.163 | 63.8 | 46 | 56.0 | 63.0 | 46.2 | 64.2 | | W | Lightly overcast. |
| | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Sum | | |
| | 30.071 | 62.9 | 30.046 | 63.8 | 49.4 | 58.5 | 63.4 | 48.4 | 64.9 | 0.313 | | |

Monthly Mean of the Barometer, corrected for Capillarity and reduced to 32° Fahr. { 9 A.M. 3 P.M. }
 { 29.995 29.968 }

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 JUNE, 1829.

| 1829. June. | 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 | 30.246 | 60.3 | 30.273 | 64.8 | 51 | 58.3 | 61.7 | 51.7 | 65.0 | 0.011 | NNW | Cloudy—light wind. | | | | | | |
| ♂ 2 | 30.329 | 69.6 | 30.280 | 67.8 | 51 | 64.7 | 71.6 | 50.4 | 72.3 | | NW | Fine—light clouds and wind. | | | | | | |
| ♀ 3 | 30.236 | 69.3 | 30.175 | 71.3 | 58 | 71.3 | 77.1 | 60.2 | 77.8 | | WNW | Fine—light clouds. Rain at night. | | | | | | |
| ♂ 4 | 30.152 | 74.2 | 30.075 | 72.3 | 50 | 66.8 | 71.7 | 60.6 | 73.2 | | NW | Fine—light clouds. | | | | | | |
| ♀ 5 | 30.034 | 73.3 | 30.063 | 69.8 | 45 | 62.3 | 64.8 | 55.5 | 65.8 | | NNW | Fine and clear—light clouds and wind. | | | | | | |
| h 6 | 30.263 | 69.6 | 30.250 | 64.6 | 37 | 55.5 | 56.5 | 45.0 | 58.8 | | NNE | Fine and clear—cloudy—light wind. | | | | | | |
| ☉ 7 | 30.350 | 65.9 | 30.352 | 59.6 | 40 | 52.9 | 56.9 | 41.1 | 58.2 | | NNE | Fine & clear—light clouds—light wind. | | | | | | |
| ☉ 8 | 30.333 | 59.5 | 30.336 | 62.1 | 51 | 55.9 | 58.9 | 49.1 | 61.3 | | NW | { A.M. Thickly overcast—light rain. P.M. Fine. | | | | | | |
| ♂ 9 | 30.337 | 57.8 | 30.307 | 62.3 | 48 | 54.5 | 61.7 | 45.9 | 62.6 | 0.016 | NNE | Fine and clear—light wind. | | | | | | |
| ♀ 10 | 30.394 | 63.7 | 30.368 | 64.2 | 47 | 60.3 | 65.7 | 46.3 | 66.8 | | N | Fine and clear—light wind. | | | | | | |
| ♂ 11 | 30.426 | 62.3 | 30.355 | 63.8 | 47 | 55.3 | 66.2 | 46.8 | 68.5 | | E | { Fine and clear—lightly cloudy—light wind. | | | | | | |
| ♀ 12 | 30.355 | 62.2 | 30.308 | 65.4 | 54 | 58.7 | 69.0 | 51.4 | 69.8 | | ESE | Fine—light clouds. | | | | | | |
| h 13 | 30.341 | 73.6 | 30.234 | 69.5 | 55 | 69.2 | 74.6 | 53.7 | 76.6 | | SW | Fine—light clouds. | | | | | | |
| ☉ 14 | 30.248 | 70.3 | 30.175 | 71.3 | 60 | 68.6 | 76.5 | 58.7 | 78.3 | | SW | Fine and clear—light clouds. | | | | | | |
| ☉ 15 | 30.115 | 67.9 | 30.045 | 71.0 | 55 | 65.3 | 72.7 | 56.3 | 74.2 | | WSW | { A.M. High clouds. P.M. Clear and cloudless. | | | | | | |
| ♂ 16 | 29.860 | 71.5 | 29.860 | 67.3 | 50 | 60.4 | 59.7 | 56.3 | 65.3 | | NW | Cloudy. Rain at noon. | | | | | | |
| ☉ 17 | 29.883 | 72.8 | 29.834 | 69.8 | 47 | 63.8 | 65.3 | 48.7 | 68.7 | 0.019 | W | Fine and clear. Rain at night. | | | | | | |
| ♂ 18 | 29.912 | 67.0 | 29.973 | 67.3 | 47 | 58.7 | 61.5 | 52.1 | 65.2 | | 0.111 | NNW | { Clear—cloudy—light wind. Thunder P.M. | | | | | |
| ♀ 19 | 30.064 | 70.7 | 30.010 | 68.8 | 48 | 62.9 | 67.3 | 53.0 | 70.5 | | | SW | Fine—lightly cloudy. | | | | | |
| h 20 | 29.906 | 74.7 | 29.828 | 69.7 | 48 | 69.8 | 69.8 | 55.3 | 71.2 | | | SE | { Fine and clear—light clouds and wind. Rain at night. | | | | | |
| ☉ 21 | 29.807 | 74.5 | 29.822 | 72.0 | 53 | 67.5 | 69.2 | 60.3 | 70.7 | | | 0.114 | SE | Fine—interfused clouds—light breeze. | | | | |
| ☉ 22 | 29.829 | 67.5 | 29.812 | 68.5 | 57 | 62.7 | 64.7 | 58.3 | 71.3 | | | | 0.111 | SE | Lowering—frequent showers. | | | |
| ♂ 23 | 29.945 | 75.2 | 29.963 | 72.3 | 55 | 69.7 | 72.7 | 57.3 | 74.3 | | | | | 0.047 | S | { Fine—light diffused clouds. Rain at night. | | |
| ♀ 24 | 30.070 | 77.9 | 30.072 | 74.3 | 59 | 72.5 | 72.4 | 61.7 | 74.6 | | | | | | 0.350 | S | Fine—very clear—light wind. | |
| ♂ 25 | 30.104 | 76.9 | 30.017 | 75.7 | 56 | 72.3 | 71.3 | 58.2 | 74.7 | ESE | | | | | | | { A.M. Cloudless—light wind. P.M. Broken clouds. | |
| ♀ 26 | 29.963 | 75.1 | 29.910 | 74.8 | 59 | 69.5 | 71.8 | 60.6 | 74.6 | | W | | | | | | { Fine and clear—light clouds. Even- ing rainy. | |
| h 27 | 29.654 | 70.8 | 29.545 | 74.0 | 60 | 66.4 | 70.4 | 60.3 | 73.3 | | | | | | | 0.153 | SSE | Cloudy—light showers. |
| ☉ 28 | 29.454 | 70.5 | 29.490 | 72.8 | 62 | 66.7 | 70.4 | 61.5 | 72.3 | | | | | | | | 0.156 | SSE |
| ☉ 29 | 29.680 | 65.5 | 29.739 | 66.9 | 58 | 57.7 | 59.0 | 55.4 | 63.7 | | | 0.305 | | | | | | NNW |
| ♂ 30 | 29.766 | 66.8 | 29.750 | 70.2 | 53 | 63.7 | 67.3 | 52.6 | 69.3 | | | | 0.008 | | | | | WSW |
| | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | Mean | | | | | Sum | | | | |
| | 30.069 | 69.2 | 30.041 | 68.8 | 52.0 | 63.5 | 67.3 | 54.1 | 69.6 | | | | | 1.401 | | | | |

Monthly Mean of the Barometer, corrected for Capillarity and reduced to 32° Fahr. { 9 A.M. 3 P.M. }
 { 29.978 29.950 }

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

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The President and Council of the Royal Society have directed that the disposable copies which remain of the volumes of the Philosophical Transactions, prior to 1816, should be sold at one-third of the prices affixed at the time of publication. The undermentioned Parts, at the annexed prices, may accordingly be obtained at the Society's Apartments:—

| | | £ | s. | d. | | | £ | s. | d. |
|-------|----------|---|----|----|-------|----------|---|----|----|
| 1801. | Part II. | 0 | 5 | 10 | 1805. | Part II. | 0 | 3 | 10 |
| 1802. | — I. | 0 | 3 | 8 | 1806. | — I. | 0 | 4 | 6 |
| | — II. | 0 | 5 | 10 | | — II. | 0 | 5 | 10 |
| 1804. | — I. | 0 | 3 | 6 | 1807. | — I. | 0 | 3 | 4 |
| | — II. | 0 | 4 | 2 | | — II. | 0 | 5 | 2 |
| 1805. | — I. | 0 | 3 | 4 | 1811. | — I. | 0 | 5 | 0 |