

METEOROLOGICAL OBSERVATIONS.

Made at Aylesbury
By Thomas Dell
For the Year 1830
Lat. 51° 49' N. Long. 3° 19' W.

A METEOROLOGICAL JOURNAL.

FOR
January

1839

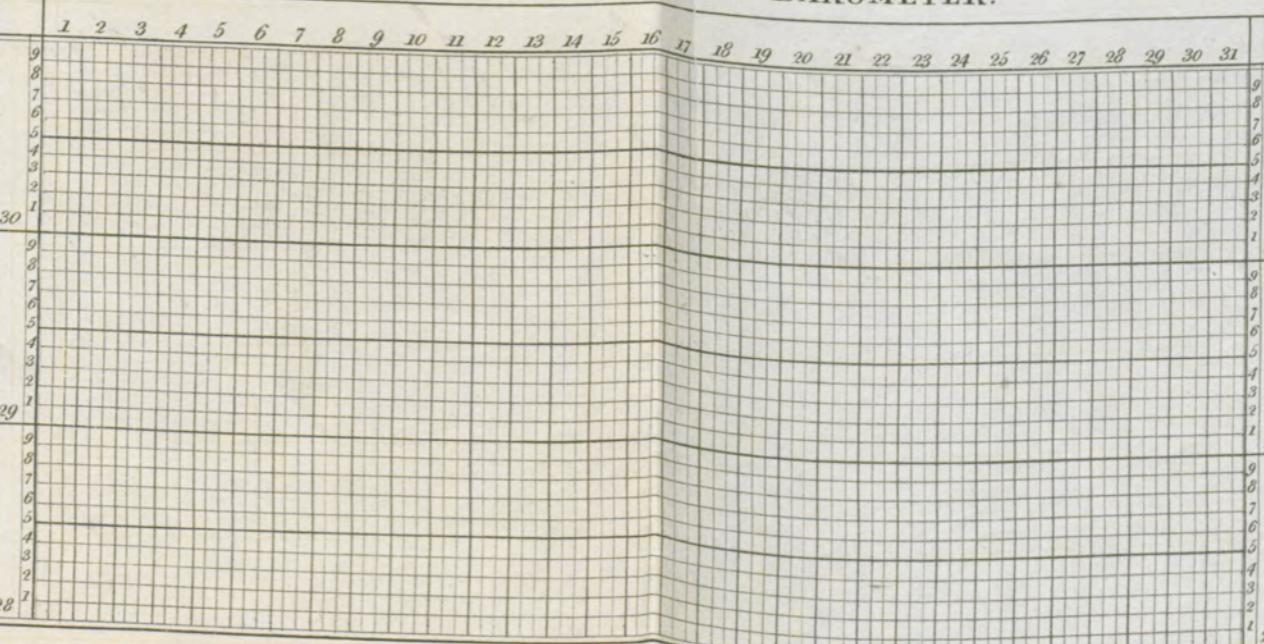
| DAY | BAROMETER | THERMOMETER | | | HYGROMETER | WINDS | CLOUDS | ATMOSPHERIC CHANGES | | | RAIN | EVAP. ^N | DAY | BAROMETER | | | THERMOMETER | | | HYGROMETER | WINDS | CLOUDS | ATMOSPHERIC CHANGES | | | RAIN | EVAP. ^N | | | | | | | | | | |
|-----|-----------|-------------|----------|-----------|------------|-------|--------|---------------------|----------------|--------------|------|--------------------|-----|-----------|--------------|-----------|-------------|----------|---------|------------|--------------|----------------|---------------------|--------------|----------------|--------------|--------------------|-----------|---------|---------|---------|--|--------|--|--|--|--|
| | | attached | external | radiating | | | | 9 o'clock m. | 3 o'clock a.m. | 9 o'clock n. | | | | Direction | Character | Morning | Afternoon | Evening | In Dec. | In Dec. | 9 o'clock m. | 3 o'clock a.m. | 9 o'clock n. | 9 o'clock m. | 3 o'clock a.m. | 9 o'clock n. | Morning | Afternoon | Evening | In Dec. | In Dec. | | | | | | |
| 1 | 30.36 | 30.22 | 30.07 | 42.44 | 46.48 | 48.41 | | | | | 40 | " | " | N.W. | Cumulonimbus | Cloudy | Foggy | Cloudy | | | 17 | | | | | | | | | | | | | | | | |
| 2 | 30.11 | 30.08 | 30.11 | 45.46 | 44.44 | 46.41 | | | | | 41 | " | " | N.E. | Cumulonimbus | Cloudy | Foggy | Cloudy | | | 18 | | | | | | | | | | | | | | | | |
| 3 | 30.00 | 29.85 | 29.68 | 47.47 | 47.47 | 43.39 | | | | | 44 | " | " | S.E. | Cirrocumulus | Cloudy | Foggy | Cloudy | | | 19 | | | | | | | | | | | | | | | | |
| 4 | 29.62 | 29.66 | 29.82 | 45.46 | 46.39 | 39.31 | | | | | 40 | " | " | S.E. | Cumulonimbus | Foggy | Foggy | Foggy | | | 20 | | | | | | | | | | | | | | | | |
| 5 | 29.76 | 29.56 | 29.67 | 40.40 | 37.39 | 39.31 | | | | | 34 | " | " | S.E. | Cumulonimbus | Foggy | Foggy | Foggy | | | 21 | | | | | | | | | | | | | | | | |
| 6 | 29.80 | 29.59 | 29.33 | 37.36 | 44.49 | 32 | | | | | 32 | " | " | S | Nimbus | Snow | Snow | Snow | | | 22 | | | | | | | | | | | | | | | | |
| 7 | 28.84 | 28.93 | 28.97 | 45.43 | 37.41 | 31 | | | | | 39 | " | " | S.E. | Cumulus | Snow | Snow | Snow | | | 23 | | | | | | | | | | | | | | | | |
| 8 | 29.35 | 29.34 | 29.32 | 35.41 | 36.37 | 31 | | | | | 31 | " | " | S.E. | Cirrocumulus | Overcast | Snow | Overcast | | | 24 | | | | | | | | | | | | | | | | |
| 9 | 29.57 | 29.76 | 29.70 | 36.37 | 35.33 | 24 | | | | | 32 | " | " | S.E. | N.W. | Cloudless | Foggy | Foggy | | | 25 | | | | | | | | | | | | | | | | |
| 10 | 30.01 | 29.95 | 29.98 | 34.39 | 39.44 | 41 | | | | | 31 | " | " | S.E. | Cumulonimbus | Foggy | Foggy | Foggy | | | 26 | | | | | | | | | | | | | | | | |
| 11 | 29.83 | 29.79 | 29.85 | 43.47 | 48.51 | 43 | | | | | 34 | " | " | S.E. | Cumulonimbus | Overcast | Overcast | Overcast | | | 27 | | | | | | | | | | | | | | | | |
| 12 | 29.97 | 30.00 | 29.96 | 41.84 | 44.49 | 38 | | | | | 43 | " | " | S.E. | Cumulonimbus | Overcast | Overcast | Overcast | | | 28 | | | | | | | | | | | | | | | | |
| 13 | 29.76 | 29.71 | 29.71 | 41.93 | 30.47 | 48.34 | | | | | 49 | " | " | S.E. | Cumulus | Cloudy | Wind | Foggy | | | 29 | | | | | | | | | | | | | | | | |
| 14 | 29.73 | 29.68 | 29.56 | 45.45 | 42.45 | 32 | | | | | 42 | " | " | S.E. | Cumulonimbus | Cloudy | Foggy | Foggy | | | 30 | | | | | | | | | | | | | | | | |
| 15 | 29.61 | 29.62 | 29.76 | 37.42 | 37.41 | 28 | | | | | 32 | " | " | S.E. | Cumulus | Foggy | Foggy | Foggy | | | 31 | | | | | | | | | | | | | | | | |
| 16 | 29.74 | 29.70 | 29.77 | 37.40 | 36.37 | 24 | | | | | 30 | " | " | S.E. | N.W. | Cumulus | Foggy | Foggy | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | Morn. | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 29.71 | 29.69 | 29.68 | 40.14 | 41.43 | 31.4 | " | " | 35.2 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Totals | | | | |

LINEAR RANGE OF THE BAROMETER.

RESULTS.

BAROMETER Highest on the 1st at 30.36 Lowest on the 7th at 28.84
 Mean of Max^m & Min^m 29.60 Range of the Mercury 1.52
 Mean pressure for the Month from 29.3 Observations 29.693
 for the Lunar Period ending on the _____
 for days with the Moon in N. Declination _____
 for days with the Moon in S. Declination _____
 Spaces described by the rising & falling of the Mercury _____
 Greatest Variation in 24 Hours On the _____
 Number of Changes in the Month _____

THERMOMETER Max^m on the 11th at 51 Min^m on the 29th at 18
 Mean of Max^m & Min^m 34.3 Range .33
 Mean Temperature for the Month (by attached Thermometer) 40.4
 of external Air .36.6
 for Days with the Sun in _____
 Greatest Variation in 24 Hours On the 29th 17
 Maximum effect of Solar Radiation On the _____
 Mean D^o D^o for the Month _____
 Maximum effect of Terrestrial Radiation On the _____
 Mean D^o D^o for the Month _____



GENERAL REMARKS.

RESULTS.

HYGROMETER Mean Dew Point for the Month from Observations _____
 Greatest Observed Degree of Dryness On the 2nd at _____
 Least Observed Degree of Moisture On the _____ at _____
 Mean Degree of Dryness Mean Degree of Moisture _____
 Mean Elasticity of Vapour Mean Weight in a Cubic Foot _____

WINDS

| N. | N.E. | E. | S.E. | S. | S.W. | W. | N.W. | Var. | Days |
|----|------|----|------|----|------|----|------|------|------|
| 4 | 6 | " | " | 1 | 5 | 6 | 9 | " | 31 |

CLOUDS

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|----|---|
| 1 | " | " | " | 5 | 12 | 3 |

SUMMARY OF THE WEATHER

| | |
|--|----|
| A Clear Sky throughout the Day | 1 |
| Fine with various Modifications of Cloud | 8 |
| An Overcast Sky without Rain | 8 |
| Days in which it has rained | 14 |
| Total | 31 |

RAIN

| | |
|---------------------------|--|
| In the Gage on the Ground | In D ^o at 1/4 feet from the Surface |
| By Hygrometrical Results | 1.00 |

EVAPORATION

| |
|-------------|
| By the Gage |
|-------------|

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BEN.
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1833.

Observations taken { 9 a.m.
10 p.m.

1838.

NOVEMBER.

| Date. | Weather. | Barom. | Therm. |
|-------------------|--|--------|--------|
| 1. st | S.W. Rain in night - cloudy but fine now. Threatening - thunder - rain. Clear cold evening - rather stormy looking night, with wind. | 29.02 | 45 |
| | | 28.96 | 40 |
| 2. nd | S.W. Very cold - cloudy - brisk wind - slight showers - baton whole fine day. Storm of rain at night - raw & cold. | 28.93 | 41 |
| | | 29.07 | 38 |
| 3. rd | W. Sharp & very white frost. Cloudy but fine morning - day fine but cold. Rain started at night - very wintry. | 29.10 | 38 |
| | | 28.70 | 43 |
| 4. th | S. Very rainy morning - dark. Cleared & became a tolerable day. In the evening much rain. Cleared at night. | 28.53 | 44 |
| | | 28.60 | 42 |
| 5. th | W. Dark damp morn, with some rain. | 28.80 | 44 |
| | On the whole a tolerably fine day. Even & night dry & fine. | 29.15 | 44 |
| 6. th | W. Hoar frost - lovely morning. | 29.35 | 37 |
| | Most lovely day through. Evening cloudy & dry - then rain. | 29.32 | 44 |
| 7. th | S. Very warm dark damp morning. Very warm day with storms Windy evening & night with showers - very warm. | 29.07 | 53 |
| | | 29.00 | 50 |
| 8. th | S.W. Beautiful morn - brisk wind. Very fine day. Evening heavy - night cloudy calm. | 29.11 | 48 |
| | | 29.11 | 46 |
| 9. th | S.W. Heavy & dull, but dry, morning. Cool. The day cleared & became bright & fine, rather severe sun heat. Night partly starry, with flying clouds & fresh breeze. | 29.03 | 45 |
| | | 29.15 | 42 |
| 10. th | W. Very fine morning; cold, but bright and cheerful. Exceedingly fine day for the season, tho' rather hazy at intervals. Night clear - cold & starry, but rather dimly so. | 29.32 | 40 |
| | | 29.42 | 39 |
| 11. th | W. Strong hoar frost. Brilliant sunrise, succeeded by a raw fog. The sun eventually conquered, after noon, & the evening was very fine. Wind shifted to N.E. Night clear, starlight, cold. | 29.31 | 35 |
| | | 29.50 | 38 |
| 12. th | N. Very sharp frost. Brilliant morning, but exceedingly cold. Very fine day throughout, with rather brisk wind. Night, deep blue sky - starry - clear - very cold. | 29.70 | 35. |
| | | 30.01 | 33 |
| 13. th | N. Very severe frost. Another brilliant morn, especially cold. Not so, however, at mid-day in the bright sunshine, or for several hours. Night like last night. Very fine. | 30.00 | 31 |
| | | 30.03 | 32 |
| 14. th | N. Fine sunrise followed by an onset of raw fog. Intense frost, but it kept a going way thro' the day. Some hours of sunshine. Dry throughout, but damp & dull evening. | 29.94 | 30 |
| | | 29.73 | 39 |
| 15. th | N. with a point to E. Full, raw morn; wet fog. Same character, only drier, throughout the day & till bed-time. No positive rain. Very dark night. | 29.60 | 39 |
| | | 29.42 | 41 |
| 16. th | N. Raw fog, but of not gloomy sort. The fog, however, kept the escurant, tho' quite dry. In event, wind changed to S.W. Night still and cloudy - exceeding dark, but not absolutely foggy. | 29.33 | 37 |
| | | 29.32 | 42 |

1838

NOVEMBER.

| Date. | Weather. | Barom. | Therm. |
|-------------------|--|--------|--------|
| 17. th | W. Very fine grey morning; less cold, tho' still very cold. Beautiful, but not bright, day, & one of the calmest I ever recollect. Not a breath of wind from morn. to night. Night darkish still. | 29.37 | 41 |
| | | 29.37 | 39 |
| 18. th | E. with a point to N. Dismal morning - windy & cold, with driving rain. A thoroughly wet day. cheerless & chilling throughout; not violent rain, but unceasing. Night excessively dark. | 29.35 | 41 |
| | | 29.37 | 41 |
| 19. th | E. Strong wind; - another most dismal morn, but less continuously rainy than yesterday. It proved, however, a wet day than yesterday, raw, sleet, snow, wind! Night deplorably dark. | 29.32 | 39 |
| | | 29.24 | 36 |
| 20. th | E. Fine morning; clouds dispersing, & blue sky keeping, but very cold. (No frost.) Very fine grey day, but of the coldness which portends snow. Dry throughout. Night as dark as last night. | 29.33 | 36 |
| | | 29.30 | 37 |
| 21. th | E. Excessively cold. Sour, gloomy morning, but dry - no rain in the night. The day continued sultry, but available, throughout. Never more than very slight spitting, till night. Night darker still. | 29.14 | 37 |
| | | 29.01 | 37 |
| 22. th | N.E. A horrid morning - rainy - dark - wretched, & a miserable day its proved, during daylight. At dusk it cleared, & we had a first sight of the new moon - nearly a quarter old. Starry night. | 28.92 | 40 |
| | | 29.03 | 39 |
| 23. th | N.E. No rain in night & dry, but dull & cold. No rain thro' the day, & the afternoon was tolerably pleasant, but no sunshine. Night cloudy, but not near so dark as of late. | 29.20 | 41 |
| | | 29.27 | 35 |
| 24. th | N.E. Dry, but of the same gloomy character, tho' of better promise than yesterday. Bit cold. A glimmer of sunshine in afternoon, after 9 th day absence. Fine night - moon & stars. Had frost. | 29.28 | 36 |
| | | 29.48 | 30 |
| 25. th | N.E. Splendid morning - "Phœbus himself again" at rising & after. Frost (not hoar). Exceedingly fine day - brilliant & cheerful throughout, as very cold. Night overcast - sour and gloomy. | 29.64 | 32 |
| | | 29.60 | 35 |
| 26. th | E. with a point of S. Sharp frost. Fine grey morning, but looking unsettled, & very cold. It proved, however, a very fine day. Cloudless sky at night. Beautiful moonlight & star frost. | 29.55 | 30 |
| | | 29.50 | 28 |
| 27. th | S.E. Biting wind - very hard frost, intensely cold. The therm. fell night, soon after marking, at 26. Bright & dry day, but cold & stern till about 4 P.M. Then some rough wind, sleet, rain. Night not wet, but wintry. | 29.20 | 30 |
| | | 28.85 | 36 |
| 28. th | S.E. - but with more of S. - Raw fog. Very dismal. After noon, a violent wind sprang up, with driving rain. Thoroughly qualify. - Night fine at intervals, but watery. In the late, very bad day. | 28.72 | 38 |
| | | 28.26 | 45 |
| 29. th | S. Quite warm. Equally watery (but bright) morning after a night of roaring wind, with thunder & lightning. Wind still very high. On the whole a tolerable day, tho' qualify. Night very wild. Singular halo, wide-spread, round the moon. Wind blusterily & sky watery. | 28.22 | 50 |
| | | 28.36 | 48 |
| 30. th | S.W. - Fine morning - wind still very fresh. Cool. A very fine day - bright & cheerful throughout, & the wind, tho' strong, was soft in effect. Quite dry all day. Night cheerful, w/ flying clouds. | 28.47 | 47 |
| | | 28.84 | 46 |
| | Maximum, Barometric, 30.08, 19 th am. Thermometer, 53, 7 th am. | | |
| | Minimum — 28.22, 29 th am. — | | |
| | Mean — 29.56 | | |
| | 39.41 | | |

1838.

DECEMBER.

| Date. | Weather. | Barom. | Therm. |
|------------------|---|--------|--------|
| 1 st | S.W. (with considerable balance of W.) Very fine morning, & the day proved dry & pleasant till 4 p.m. Rain-light but drizzling - then came on & continued till bed time. Wind hazy fresh. | 29.10 | 46 |
| | | 28.90 | 53 |
| 2 ^d | S.W. Fine morning, but rather watery. Brisk wind. On the whole a fine day, but with an ugly shower (only one, & short) about noon. Night still fine, but of watery aspect - & more watery. | 29.02 | 50 |
| | | 29.04 | 47 |
| 3 ^r | S.W. (as on 1 st). Hazy, but not violent, breeze. Fine morning. Cool. A very fine day throughout, bright & cheerful, & quite dry overhead. Night cloudy, bright, & considerably colder. | 29.04 | 44 |
| | | 29.03 | 42 |
| 4 th | W. (or very near it). Fine morning, but watery. It proved a fine day however, throughout. Not much wind - rather more towards evening. Night fine - fleecy light clouds & bright. | 29.15 | 42 |
| | | 29.30 | 39 |
| 5 th | W. Cloudy calm mild, pleasant noon. Fine day throughout. Evening starry. Then cloudy & rather colder. Calm. | 29.43 | 43 |
| | | 29.71 | 42 |
| 6 th | We White frost - lovely morning. Fine day till 2 - then cold raw fog - clearer - rain at night. | 29.86 | 34 |
| | | 29.84 | 42 |
| 7 th | W. Dizzy dark still mild morning. Mild & rather fine day. Evening raw & cold. Bright cold clear calm night. | 29.88 | 45 |
| | | 29.96 | 37 |
| 8 th | N.W. White frost - clear - very cold. Cold all day but tolerably fine. Hazy night - with partial stars. Still. | 29.99 | 35 |
| | | 30.05 | 35 |
| 9 th | N.W. Very white frost - ice - cold. Very fine cold clear day. Slight frost at night. | 30.03 | 34 |
| | | 29.97 | 34 |
| 10 th | S.W. Very sharp white frost. lovely morning. Hazy cold raw day. Evening cold & cloudy. Night raw cold & gloomy. | 29.88 | 30 |
| | | 29.80 | 38 |
| 11 th | W. Lovely mild morn. cloudy, but clearing. Very delightful mild spring like day. Evening bright cold with frost. | 29.91 | 40 |
| | | 29.97 | 34 |
| 12 th | S.W. Cloudy calm mild morn - frost quite gone. Very fine tho' cloudy day. Much wilder. Calm cloudy evening & night. | 29.93 | 40 |
| | | 29.91 | 43 |
| 13 th | S.W. Very beautiful mild morning - quite a spring day. Cloudy still eveng & night. | 29.94 | 42 |
| | | 30.00 | 42 |
| 14 th | W. Very fine morning - cloudy & calm. Much colder in the evening - but no other change. | 30.02 | 40 |
| | | 30.04 | 42 |
| 15 th | N. Very thick fog - cold & raw. Became a lovely day - bright calm, mild. Sharp frost at night. | 30.00 | 38 |
| | | 29.97 | 32 |
| 16 th | N. Very white & sharp frost. Beautiful morning. Very fine day. Evening milder - than - cloudy calm night. | 29.98 | 32 |
| | | 30.01 | 35 |

1838.

DECEMBER.

| Date. | Weather | Barom. | Therm. |
|------------------|---|--------|--------|
| 1 st | N. Glossy raw morn - no frost. | 30.00 | 36 |
| 2 ^d | Cloudy & dull but not unpleasant - all day. Cold dark still night. | 29.97 | 34 |
| 3 ^r | S.W. Dark still cold morn - very slight frost. Became a very fine day - cloudy calm cool. Night still, cold, dark. | 29.95 | 34 |
| 4 th | S.W. Slight frost - dark still very cold morning. Very cold & dark all day but on the whole not unpleasant. Even night still cold frosty. | 29.84 | 32 |
| 5 th | SW. Very beautiful morning. Soon turned to rain - rainy & dark day. Evening better. Night dark cold & rainy. | 29.77 | 37 |
| 6 th | S. Frost - nine - fog early - dark. | 29.98 | 33 |
| 7 th | Very cold raw day - thaw - cold dull evening & night - wind - very dark. | 29.87 | 34 |
| 8 th | SE. Dark cold rainy dismal morn. | 29.71 | 34 |
| 9 th | Cold drizzling dark gloomy day. Even rather warmer - still damp. | 29.54 | 37 |
| 10 th | S. Very rainy dark morn - milder with wind. Rainy dark day, with considerable wind - a better day than yesterday. Damp still night. | 29.20 | 42 |
| 11 th | SE. Very drizzling foggy dark gloomy morning. Dizzy most of the day. Some heavy rain in the evening. Ceased at night. | 29.04 | 42 |
| 12 th | N. Beautiful morn - sun out - slight frost. Very fine bright day - hard frost. Very cold but sun powerful at one time. Cold bright arid night. | 29.00 | 40 |
| 13 th | SW. Severe frost a lovely morning. | 29.06 | 37 |
| 14 th | Very cold severe frost. Snow & very cold & gloomy. Afternoon & night very wet & thaw. Rain. | 29.01 | 38 |
| 15 th | W. Slight frost - beautiful morning. | 29.31 | 31 |
| 16 th | Very fine clear sunny day. | 29.55 | 32 |
| 17 th | Very sharp frost at night. Bright. | 29.57 | 35 |
| 18 th | W. Very hard frost - lovely morn. | 29.82 | 34 |
| 19 th | Very fine sunny day - frost out of the sun all day. Fine clear frosty cold night. Calm. | 29.93 | 33 |
| 20 th | SW. Rainy dark morning. Very cold & raw. Rain in the evening. Then mild damp calm. | 29.79 | 39 |
| 21 st | SW. Slight rain early - dark mild smart wind. Damp rather drizzling day throughout. Evening cool calm - no rain - watery. | 29.80 | 45 |
| 22 nd | SW. Very slight frost - beautiful morn. | 29.68 | 48 |
| 23 rd | Very fine day - evening fine - night calm bright - slight frost. | 29.80 | 42 |
| 24 th | Maximum, Barometer 30.14, 31 st pm. Thermometer 53, 1 st pm Minimum ————— 28.90, 1 st pm. ————— 26, 2 nd am. Mean ————— 29.68 ————— 38.00 | 30.05 | 35 |

1839.

JANUARY.

| Date | Weather. | Barom. | Therm. |
|------|--|--------|--------|
| 1. | SW. Cloudy fine morning - mild - rather threatening - then became a fine cool windy day. Even slight rain - mild windy cloudy night. | 29.90 | 42 |
| 2. | W. Very violent wind all night. | 29.59 | 49 |
| 2. | Windy cool morn. Fine cool day, brisk wind - calm mild cloudy night. | 29.61 | 40 |
| 3. | SW. Most lovely morn - bright, mild calm. No frost. Lovely day all thro'. Windy mild fine night. | 29.66 | 42 |
| 4. | SW. Beautiful morning. Fine day with several considerable storms of rain - some hail. Very cold clear night. | 29.53 | 41 |
| 5. | 29.14 | 46 | |
| 6. | SW. Slight frost - fine morning. | 29.11 | 42 |
| 5. | Fine day but cold - cold clear windy night - air keen. | 29.30 | 34 |
| 6. | SW. Hard frost - cloudy - heavy. | 29.26 | 32 |
| 6. | Very cold gloomy morning. | 29.30 | 32 |
| 6. | Then snow & thaw - rain at night - milder - snow gone. | 28.80 | 40 |
| 7. | W. Awful wind all night & this morn - quite a hurricane. Strong wind all day & extremely cold. Cold windy night with some snow. | 28.55 | 43 |
| 7. | 28.77 | 35 | |
| 8. | W. Snow intensely cold - wintry. | 29.05 | 29 |
| 8. | Very cold winterly day - night cold calmer - dry. | 29.13 | 32 |
| 9. | W. Lovely clear intense frost. | 29.30 | 28 |
| 9. | Most beautiful clear calm severe frost. Intense frost at night. | 29.75 | 22 |
| 10. | SW. Intense frost - lovely morn. | 29.82 | 26 |
| 10. | Very fine bright day. In the evening thaw - brisk cold wind. | 29.78 | 38 |
| 11. | SW. Drizzly mild wintry snow gone. Mild cloudy day, with some wind. Very mild wintry cloudy evening night. | 29.68 | 44 |
| 11. | 29.65 | 48 | |
| 12. | W. Mild calm cloudy pleasant morn. Delightful day - warm at times & a good deal of sun. Cloudy cool calm night. | 29.80 | 42 |
| 12. | 29.82 | 39 | |
| 13. | SW. Cloudy mild wintry morn. | 29.54 | 47 |
| 13. | Very charming day - mild & dry. Stormy winds at night. | 29.56 | 46 |
| 13. | 29.53 | 39 | |
| 14. | SW. Fine cloudy calm cold morn. | 29.32 | 39 |
| 14. | Tolerable day, but colder & more gloomy. Rain high wind. | 29.39 | 33 |
| 15. | W. Some snow - frost clear lovely morning but very cold. Very cold wintry unattractive day. Clear cold frosty night - wind abated. | 29.58 | 33 |
| 15. | 29.54 | 31 | |
| 16. | W. Lovely frosty morning. | 29.60 | 30 |
| 16. | Fine but very cold day. Clear cold wintry frosty night. | 29.48 | 39 |

1839.

JANUARY.

| Date | Weather. | Barom. | Therm. |
|------|---|--------|--------|
| 17. | W. Intense frost - lovely morning. | 29.62 | 27 |
| 17. | Very fine clear cold day - frost very severe in the ev'ning & night. | 29.72 | 29 |
| 18. | N. Intense frost - lovely morning. | 29.78 | 24 |
| 18. | Very fine clear cold frosty. Evening & night cloudy. Wind. | 29.60 | 33 |
| 19. | SW. Raining windy dark morning. | 29.09 | 44 |
| 19. | Much rain - became cold. Then clear & very cold. Frost at night & strong breeze. | 29.43 | 33 |
| 20. | SW. Frost - cloudy cold fine morn. | 29.57 | 36 |
| 20. | Thaw - fine day - cloudy. Afternoon threatening - rain - rainy night. | 29.34 | 43 |
| 21. | W. Very wintry morn - dark calm | 29.30 | 42 |
| 21. | mild. Much rain ceased after mid-day. Cloudy calm even'g & night. | 29.52 | 36 |
| 22. | W. Sharp bite frost - bitter cold. | 29.72 | 31 |
| 22. | Cutting wind. Fine day tho' cold. Evening & night less severe, tho' cold with brisk wind. | 30.01 | 33 |
| 23. | W. Dark cold black frost - sleek. | 30.15 | 33 |
| 23. | Became a very fine day - thaw. Slight frost at night - cloudy - calm. | 30.16 | 33 |
| 24. | W. Severe frost in night. Fine morn. Very fine cloudy calm pleasant day. Bright moonlight night. | 30.11 | 34 |
| 24. | 29.97 | 40 | |
| 25. | W. Cloudy cold dark morning. | 29.70 | 42 |
| 25. | Very fine day tho' rather cold. Even'g & night cold wintry showery. | 29.60 | 39 |
| 26. | N. Frost - snowy morn - ground white | 29.84 | 32 |
| 26. | Snow gone - then snow storms again. Cold raw winterly evening & night. | 30.00 | 32 |
| 27. | NE. Frost - heavy still cold morn. | 30.03 | 31 |
| 27. | Repeated snow storms thro' the day. Very raw & cold. Ground nearly white at night. Night frost. | 29.87 | 32 |
| 28. | NE. Gloomy cold still morning - no snow in the night. Very cold date day. More snow at night. Cold wind. Sharp frost. | 29.68 | 30 |
| 28. | 29.25 | 32 | |
| 29. | W. Severe frost - lovely morn. | 29.18 | 29 |
| 29. | Very cold raw day with snow storms. Much snow at night. | 28.77 | 32 |
| 30. | N. Intense frost - lovely morning. | 28.85 | 18 |
| 30. | Severely cold winterly day, but fine. Tremendous snow storm at night - wind, very cold. | 28.68 | 27 |
| 31. | N. Intense frost - snow - bitter cold. | 28.80 | 28 |
| 31. | Brilliant cold day - succession of blinding snow storms. Severe frost at night. Calm. | 28.39 | 27 |
| | Maximum, Barometer 30.16, 23 rd pm. Therm. 49.1 ⁵ pm. | | |
| | Minimum — 28.55, 7 th am. — 18.30, 10 th am. | | |
| | Mean — 29.48 — 35.14 | | |

Walter Register Jr.

B.B. - 43

Cattle Carry

Hudson House W 30

| | Therm. | Barom. | |
|---------|--------------|--------|--|
| Oct. 25 | 28. 47.5 | 28. 80 | Showery. Wind SW. |
| | 2 p.m. 51. | | |
| 26 | 29 a.m. 43. | 29. 12 | Fair. |
| | 2 p.m. 49. | | |
| 27 | 29 a.m. 44. | 29. 25 | Wet night. fair day. |
| | 2 p.m. 49. | | |
| Nov. 1 | 28 a.m. 49. | 28. 81 | Wet till 2 p.m. after fair. Wind W. |
| | 2 p.m. 49. | | |
| 2 | 29 a.m. 43. | 28. 72 | Showery. Wind NW. |
| | 2 p.m. 49. | | |
| 3 | 29 a.m. 49. | 28. 81 | Fair till 2. after wet. Wind S. |
| | 2 p.m. 47. | | |
| 4 | 29 a.m. 47. | 28. 00 | Fair. |
| | 2 p.m. 48. | | |
| 5 | 29 a.m. 47.5 | 28. 44 | ... |
| | 2 p.m. 49. | | |
| 6 | 29 a.m. 44. | 29. 09 | ... till 3 p.m. after rain. |
| | 2 p.m. 47. | | |
| 7 | 29 a.m. 45. | 28. 73 | Wet night - day fair. Wind SW. |
| | 2 p.m. 50. | | |
| 8 | 29 a.m. 47. | 28. 90 | Fair |
| | 2 p.m. 50. | | |
| 9 | 29 a.m. 46. | 28. 70 | Fine. Wind N. |
| | 2 p.m. 50. | | |
| 10 | 29 a.m. 45. | 29. 11 | ... |
| | 2 p.m. 49. | | |
| 11 | 29 a.m. 39. | 29. 00 | Hoar Frost. Fine till 4 p.m. then fog. |
| | 2 p.m. 45. | | |
| 12 | 29 a.m. 35. | 29. 60 | ... Wind NNE. |
| | 2 p.m. 49. | | |
| 13 | 29 a.m. 34. | 29. 95 | ... |
| | 2 p.m. 43. | | |
| 14 | 29 a.m. 35. | 29. 72 | ... |
| | 2 p.m. 44. | | |
| 15 | 29 a.m. 43. | 29. 33 | Fog a.m. hazy day. Wind W. |
| | 2 p.m. 47. | | |
| 16 | 29 a.m. 42. | 29. 10 | Roggins. |
| | 2 p.m. 45. | | |
| 17 | 29 a.m. 46. | 29. 10 | Fair. |
| | 2 p.m. 47. | | |

Hudson House W 31

| | Therm. | Barom. | |
|---------|--------------|--------|--|
| Nov. 18 | 28. 44. | 28. 95 | Rain. Wind E. |
| | 2 p.m. 50. | | |
| 19 | 29 a.m. 43.5 | 28. 84 | ... till 4 p.m. |
| | 2 p.m. 47. | | |
| 20 | 29 a.m. 40. | 28. 99 | Very damp. |
| | 2 p.m. 42. | | |
| 21 | 29 a.m. 38.5 | 28. 65 | ... |
| | 2 p.m. 40. | | |
| 22 | 29 a.m. 41. | 28. 52 | Wet Night drizzling day. Wind W. |
| | 2 p.m. 42. | | |
| 23 | 29 a.m. 48. | 28. 80 | Fair. Wind E. |
| | 2 p.m. 45. | | |
| 24 | 29 a.m. 39. | 28. 87 | Overscast |
| | 2 p.m. 41. | | |
| 25 | 29 a.m. 38. | 29. 38 | Hoar Frost. Fine day. Wind SE. high in the evening. |
| | 2 p.m. 38. | | |
| 26 | 29 a.m. 36. | 29. 20 | Fair |
| | 2 p.m. 38. | | |
| 27 | 29 a.m. 43. | 28. 63 | Rain |
| | 2 p.m. 43. | | |
| 28 | 29 a.m. 46. | 28. 10 | Very high Wind SE till 3 p.m. after |
| | 2 p.m. 52 | | S.W. |
| 29 | 29 a.m. 57. | 27. | Shovery. Wind high - SW. |
| | 2 p.m. 53. | | |
| 30 | 29 a.m. 47. | 28. 17 | Fine |
| | 2 p.m. 50. | | |
| Dec. 1 | 29 a.m. 45. | 28. 83 | Fair till m. after rain & after high Wind. |
| | 2 p.m. 53. | | |
| 2 | 29 a.m. 49. | 28. 75 | After Showery. |
| | 2 p.m. 51.5 | | |
| 3 | 29 a.m. 46. | 28. 77 | ... |
| | 2 p.m. 50. | | |
| 4 | 29 a.m. 43. | 28. 93 | ... a.m. after fair. |
| | 2 p.m. 46. | | |
| 5 | 29 a.m. 44. | 29. 32 | Fine |
| | 2 p.m. 48. | | |
| 6 | 29 a.m. 37. | 29. 75 | Hoar Frost. Fine. Wind NW. |
| | 2 p.m. 44. | | |

Wadpen House 1838

| Dec. | Barom. | Barom. |
|-----------|--------|---|
| 1 g.a.m. | 50. | 29.75 |
| 2 p.m. | 48. | Foggy & cloudy. Wind W. |
| 8 g.a.m. | 39.5 | 29.95 Fine. Wind N. |
| 2 p.m. | 43. | |
| 9 g.a.m. | 36. | 29.95 Fog. |
| 2 p.m. | 37. | |
| 10 g.a.m. | 30. | 29.86 Hoar Frost. Fog. |
| 2 p.m. | 35. | |
| 11 g.a.m. | 40. | 29.84 Fog. Wind S. |
| 2 p.m. | 44. | |
| 12 g.a.m. | 46. | 29.87 Cloudy |
| 2 p.m. | 45. | |
| 13 g.a.m. | 41. | 29.93 Fair. |
| 2 p.m. | 46. | |
| 14 g.a.m. | 48. | 29.93 - - - |
| 2 p.m. | 46. | |
| 15 g.a.m. | 43. | 29.90 Fine. |
| 2 p.m. | 44. | |
| 16 g.a.m. | 36. | 29.90 Hoar Frost. Cloudy. Wind SE. |
| 2 p.m. | 38. | |
| 17 g.a.m. | 37. | 29.87 Fog. Cloudy. |
| 2 p.m. | 37. | |
| 18 g.a.m. | 33. | 29.82 Hoar Frost. Fine. |
| 2 p.m. | 38. | |
| 19 g.a.m. | 36. | 29.70 Fair. |
| 2 p.m. | 43. | |
| 20 g.a.m. | 43. | 29.60 Wet. Wind S. |
| 2 p.m. | 46. | |
| 21 g.a.m. | 39. | 29.77 Fine. Wind E. |
| 2 p.m. | 44. | |
| 22 g.a.m. | 43. | 29.50 Wet morn. after? foggy. Wind S. |
| 2 p.m. | 46. | |
| 23 g.a.m. | 48. | 28.85. - - - - fair. Wind SE. |
| 2 p.m. | 49. | |
| 24 g.a.m. | 27.5 | 28.53 Fair till m. after? showery. |
| 2 p.m. | 48. | |
| 25 g.a.m. | 39. | 29.04 Wet morn. after? fine. Wind N. |
| 2 p.m. | 38. | |
| 26 g.a.m. | 33.5 | 29.35 Hoar Frost. Dry till m. after? showery. Wind S. |
| 2 p.m. | 42. | |

Wadpen House 1839

| Dec. | Barom. | Barom. |
|-----------|--------|--|
| 27 g.a.m. | 38.5 | 29.11 Hoar Frost. Fair. Wind W. |
| 2 p.m. | 42. | |
| 28 g.a.m. | 36. | 29.78. - - - Fine Wind SSW. |
| 2 p.m. | 40. | |
| 29 g.a.m. | 44. | 29.75 Rain to m. after drizzle. Wind SW. |
| 2 p.m. | 47. | |
| 30 g.a.m. | 50. | 29.65 Tolerably fair. Wind W. |
| 2 p.m. | 52. | |
| 31 g.a.m. | 38. | 30.07 Hoar Frost. Fine. |
| 2 p.m. | 42. | |

The Hedge suffered so much last Winter, that it did not blossom in the course of this year.

Hudson House W 39

| | Jan. | Therm. | Barrow. | Condition |
|-----|---------|--------|---------|--|
| 1. | 10 a.m. | 30.3. | 30.5. | Fine AM. Wet PM. Wind SW. |
| | 2 p.m. | 46. | | |
| 2. | 9 p.m. | 44. | 29.65. | Very fine - Wind NW. |
| | 2 p.m. | 47. | | |
| 3. | 9 p.m. | 44. | 29.50. | Fine - Wind S.W. high on the coast. |
| | 2 p.m. | 48. | | |
| 4. | 9 a.m. | 43. | 28.37 | Fine till 2 p.m. after? cloudy & some rain. |
| | 2 p.m. | 43. | | |
| 5. | 9 a.m. | 38. | 29.41 | A little hail. Fine, except a few showers. |
| | 2 p.m. | 46. | | |
| 6. | 9 a.m. | 37. | 29.49 | Wet day. Wind SE. |
| | 2 p.m. | 46. | | |
| 7. | 9 a.m. | 32. | 28.45 | Tempestuous night. Wind W. frequent showers. |
| | 2 p.m. | 41. | | |
| 8. | 9 a.m. | 36. | 29.00 | Hail. Fine till m. after? showering. |
| | 2 p.m. | 37.5 | | |
| 9. | 9 a.m. | 35. | 29.22 | Wet night. Fine day |
| | 2 p.m. | 37. | 45 | |
| 10. | 9 a.m. | 35. | 29.7 | Hail. Fine till m. after? fair. |
| | 2 p.m. | 43. | | |
| 11. | 9 a.m. | 48. | 29.6 | Wet till m. after? hazy. Wind SW. |
| | 2 p.m. | 51. | | |
| 12. | 9 a.m. | 47. | 29.74 | Fair |
| | 2 p.m. | 47. | | |
| 13. | 9 a.m. | 49. | 29.62 | ... |
| | 2 p.m. | 51. | | |
| 14. | 9 a.m. | 47. | 29.50 | Rog. Rain from 11 a.m. |
| | 2 p.m. | 51. | | |
| 15. | 9 a.m. | 38. | 29.40 | Fine. Wind SW. |
| | 2 p.m. | 43. | | |
| 16. | 9 a.m. | 37. | 29. | 51. . . . |
| | 2 p.m. | 42. | | |
| 17. | 9 a.m. | 30. | 29.55 | Hail. Very fine. |
| | 2 p.m. | 36. | | |
| 18. | 9 a.m. | 28.5 | 29.71 | ... p.m. Wind W. |
| | 2 p.m. | 35. | | |

Hudson House W 39.

| | Jan. | Therm. | Barrow. | Condition |
|---------|--------|--------|----------|--|
| | 9. | 29.00 | 47. | 28.96 Wet. Wind SW. high. till on. after? fair |
| | 2 p.m. | 44. | | |
| 10. | 9 a.m. | 39.5 | 29.50 | Fair till 4 p.m. after? wet. |
| | 2 p.m. | 45. | | |
| 11. | 9 a.m. | 48. | 29.15 | Wet till 1 p.m. after? clearing. |
| | 2 p.m. | 50. | 29.60 | Wet night. Hail frost. Fine but hazy. |
| 12. | 9 a.m. | 34. | Wind NW. | |
| | 2 p.m. | 40. | | |
| 13. | 9 a.m. | 33. | 30.15 | Hail. Fair |
| | 2 p.m. | 39. | | |
| 14. | 9 a.m. | 33. | 30.15 | |
| | 2 p.m. | 40. | | |
| 15. | 9 a.m. | 48. | 29.75 | Wind W. Fine. p.m. NW. |
| | 2 p.m. | 45. | | |
| 16. | 9 a.m. | 35. | 29.86 | Hail, except a little snow 2 p.m. |
| | 2 p.m. | 40. | | |
| 17. | 9 a.m. | 31.5 | 29.84 | till evening. Then fair fair |
| | 2 p.m. | 35. | | |
| 18. | 9 a.m. | 33.5 | 29.55 | Cloudy. Scawing a little snow. |
| | 2 p.m. | 36. | 29.05 | Fair till m. then Wind wears to WSW |
| 19. | 9 a.m. | 34. | 29. | & 4 p.m. rain & at night snow. |
| | 2 p.m. | 39. | 28.62 | Fine till 2 p.m. then snow. |
| 20. | 9 a.m. | 29. | 28.64 | Fair except a little snow. Wind SSW |
| | 2 p.m. | 32. | | |
| 21. | 9 a.m. | 34. | 29.55 | Fine |
| | 2 p.m. | 35. | | |
| Feb. 1. | 9 a.m. | 28. | 29.58 | till 3 p.m. after? cloudy. |
| | 2 p.m. | 34.5 | | |
| 2. | 9 a.m. | 33.5 | 29.25 | Wind SE. |
| | 2 p.m. | 38. | | |
| 3. | 9 a.m. | 48. | 29.10 | Dazzling, with occasional rain. |
| | 2 p.m. | 43. | | |
| 4. | 9 a.m. | 41.5 | 29.20 | ... |
| | 2 p.m. | 47. | | |
| 5. | 9 a.m. | 42. | 29.55 | Fair till m. after? rain. |
| | 2 p.m. | 45. | | |
| 6. | 9 a.m. | 45. | 29.61 | Rog |

November 1838

| | | | | |
|-------|--------------|---|-------------------------|-------------|
| 1 Th | 29.45 | 48 29.48 ³ | 24 43 43 44 35 | Std. theory |
| 2 T | 29 43 44 43 | 29 43 48 48 29 35 43 46 35 | SW S | |
| 3 F | 29 45 38' 44 | 29 43 45 45 29 20 45 45 32 | Fine W. Rain SE | |
| 4 S | 28 94 47 47 | 28 93 50 51 24 01 43 48 41 | 8° S. Rain | |
| 5 M | 29 25 47 47 | 29 30 51 50 29 50 45 48 37 | Wind W. Snowy | |
| 6 T | 29 75 40 45 | 29 73 48 52 29 70 45 48 34 | Fine NW | |
| 7 W | 29 50 53 52 | 29 45 59 51 29 45 54 51 40 | Rain S. fine | |
| 8 Th | 29 54 44 51 | 29 45 54 52 29 54 48 51 40 | Fine SW | |
| 9 F | 29 45 47 51 | 29 49 50 52 29 48 40 50 42 | Rain S | |
| 10 S | 29 70 40 51 | 29 69 46 51 29 79 38 50 40 | Fine SW | |
| 11 E | 29 65 32 42 | 29 65-40 45 29 78 34 44 29 8° white Tr. N | | |
| 12 M | 30 01 32 41 | 30 20 45 45 30 37 33 42 32 | Fine N | |
| 13 T | 30 43 31 41 | 30 42 44 46 30 40 31 41 26 | 8° NE | |
| 14 W | 30 15 32 38 | 30 17 45 40 30 09 39 41 26 | Fine white NE | |
| 15 Th | 29 90 41 42 | 29 81 44 44 29 80 42 42 35 | Wind fog NE Rain | |
| 16 F | 29 70 39 42 | 29 64 44 44 29 69 39 42 36 | 8° NE | |
| 17 S | 29 73 40 44 | 29 73 44 45 29 71 34 46 36 | Rain S | |
| 18 M | 29 60 38 45 | 29 65 45 45 29 69 42 43 38 | Rain N | |
| 19 T | 29 64 38 44 | 29 57 37 41 29 57 37 41 38 | Rain NE. Snow | |
| 20 W | 29 70 38 41 | 29 69 40 41 29 67 37 41 36 | overcast NE | |
| 21 Th | 29 49 38 42 | 29 45 40 42 29 40 39 41 37 | 8° NE | |
| 22 F | 29 30 43 43 | 29 30 50 47 | 39 Rain NE | |
| 23 S | | 29 59 38 | 40 29 54 35 40 38 W. NE | |
| 24 M | 29 64 36 42 | 29 70 36 42 29 83 29 38 35 | NE | |
| 25 S | 29 48 30 36 | 30 00 40 42 29 98 36 38 26 | NE fine | |
| 26 M | 29 90 39 36 | 29 90 35 43 29 91 29 29 29 | E 8° | |
| 27 T | 29 50 34 35 | 29 41 35 35 29 29 37 36 20 | overcast E | |
| 28 W | 29 15 40 41 | 28 87 46 41 28 71 49 45 37 | Fine S.E. overcast E | |
| 29 Th | 28 71 50 50 | 28 70 49 57 28 83 47 50 46 8° S. Rain | | |
| 30 F | 28 98 48 48 | 28 20 47 48 29 30 47 48 46 | Fine S | |

28th tremendous storm of Thunder & lightning with a hurricane - began at 2^{1/2} in
 corrected 29. 286 6 PM - 28.681 The morn^g of the 29th it continued tho' not so violent
 8° 28th 29. 131- 29th 10 AM 28.681 till 6. The extreme steadiness of the barometer was
 .030 11 - 28.681 still, its depression during the storm is very
 X¹¹ - 3 - 28.681 remarkable - From 6 PM on Wednesday 28th
 28.845 5 - 28.746 to 3 PM on Thursday the 29th it had not varied
 743 704 the two first open inch.
 704
 692 -

| | 8 AM | December 1838 | 8 PM | Reg |
|------------------|-------|---------------|----------------|--------------------------------------|
| | | 2 PM | | |
| 18 | 29.50 | 47 49 | 29 50 51 50 | 29 40 53 54 45 fine S |
| 28 | 29 43 | 51 52 | 29 48 53 54 | 29 57 49 52 50 8° S Showy |
| 3 rd | 29 48 | 46 51 | | fine |
| 4 th | | 29 60 46 49 | 29 65 37 42 39 | 8° SW |
| 5 th | 29 73 | 42 45 | 29 88 46 46 | 30 07 43 44 42 overcast Showy NW |
| 6 th | 30 18 | 36 44 | 30 24 42 | 43 30 25 37 42 36 fine NW |
| 7 th | 30 25 | 46 45 | 30 24 47 | 47 30 30 37 42 32 Rain NW |
| 8 th | 30 33 | 36 42 | 30 37 40 | 40 30 42 37 42 34 fine N |
| 9 th | 30 44 | 34 39 | 30 34 39 | 39 30 35 31 38 29 fog NW |
| 10 th | 30 24 | 32 40 | 30 18 39 | 39 30 22 35 38 28 fine W SW |
| 11 th | 30 23 | 39 39 | 30 20 41 | 40 30 35 34 38 34 8° fog NW |
| 12 th | 30 29 | 40 40 | 30 25 46 | 43 30 28 42 42 32 Rain W |
| 13 th | 30 20 | 41 43 | 30 30 45 | 43 30 39 40 42 41 thick fog W |
| 14 th | 30 39 | 37 43 | 30 40 44 | 44 36 40 42 42 34 cloudy W fine |
| 15 th | 30 35 | 32 41 | 30 32 39 | 41 30 34 35 43 29 fog NW N |
| 16 th | 30 34 | 31 40 | 30 35 37 | 40 30 37 36 40 29 thick N |
| 17 th | 30 37 | 36 40 | 30 32 36 | 40 30 30 34 39 36 8° NW |
| 18 th | 30 30 | 36 40 | 30 30 36 | 40 30 25 32 38 33 fine |
| 19 th | 30 19 | 33 36 | 30 17 35 | 41 30 17 34 35 24 thick dense fog SE |
| 20 th | 30 17 | 34 36 | 30 18 41 | 38 30 28 37 35 31 fine S fog |
| 21 st | 30 35 | 37 37 | 30 33 36 | 37 30 25 34 35 29 thick SE S |
| 22 nd | 30 05 | 34 37 | 30 02 36 | 37 36 00 36 35 32 do SE Rain |
| 23 rd | 29 57 | 43 40 | 29 48 43 | 41 29 48 41 41 36 Rain S |
| 24 th | 29 42 | 39 44 | 29 42 39 | 44 29 44 38 40 39 thick & damp E |
| 25 th | 29 65 | 31 39 | 29 77 39 | 44 29 90 37 40 32 fine N. Show rain |
| 26 th | 29 87 | 25 34 | 29 70 35 | 36 29 58 37 36 25 8° foggy W SW |
| 27 th | 29 60 | 35 38 | 29 78 38 | 38 29 90 36 36 32 fine SW NW |
| 28 th | 30 20 | 34 36 | 30 25 40 | 42 39 32 29 35 30 8° W |
| 29 th | 30 15 | 40 40 | 30 13 44 | 40 30 23 45 48 29 thick Rain S |
| 30 th | 30 07 | 49 45 | 30 15 33 | 43 30 17 43 43 39 fine overcast SW |
| 31 st | 30 40 | 35 42 | 30 47 41 | 42 30 58 35 40 33 fine W |

7th. sudden change on the night of the 6th in the thermometer?

26th. after a light fall of snow in the night with driving wind

January 1839

8 AM

2 PM

8 PM

Rg.

| | | | | | | | | | | | | | | |
|--|----|-----|------|------|----|-----|------|------|----|-----|------|------|------|------------------------|
| 1 T | 30 | 12 | 43 | 42 | 30 | 10 | 46 | 43 | 29 | 97 | 50 | 45 | 32 | Rain SW fine |
| 2 W | 30 | 00 | 43 | 42 | 30 | 00 | 45 | 43 | 30 | 03 | 43 | 45 | 46 | fine NW |
| 3 Th | 29 | 88 | 44 | 46 | 29 | 78 | 49 | 46 | 29 | 64 | 48 | 46 | 41 | fine W |
| 4 F | 29 | 51 | 43 | 46 | 29 | 58 | 39 | 36 | 29 | 66 | 35 | 35 | 42 | cloudy SW fine |
| 5 S | 29 | 63 | 34 | 39 | 29 | 53 | 38 | 39 | 29 | 34 | 34 | 35 | 32 | 8° SW |
| 6 S | 29 | 68 | 32 | 36 | 29 | 59 | 36 | 36 | 29 | 30 | 40 | 38 | 31 | Much SW snow |
| 7 M | 29 | 05 | 34 | 43 | 29 | 13 | 43 | 44 | 29 | 19 | 35 | 40 | 34 | Rain SW Stormy Wind |
| 8 T | 29 | 51 | 31 | 37 | 29 | 52 | 37 | 36 | 29 | 54 | 30 | 34 | 30 | fine SW |
| 9 W | 29 | 73 | 31 | 36 | 29 | 90 | 34 | 36 | 30 | 14 | 26 | 30 | 29 | fine W |
| 10 Th | 30 | 19 | 30 | 32 | 30 | 20 | 40 | 35 | 30 | 18 | 37 | 36 | 19 | 8° SW |
| 11 F | 30 | 05 | 43 | 40 | 30 | 02 | 48 | 42 | 30 | 07 | 50 | 45 | 35 | Rain SW |
| 12 S | 30 | 18 | 46 | 47 | 30 | 18 | 45 | 47 | 30 | 18 | 39 | 37 | 41 | cloudy S |
| 13 S | 29 | 95 | 50 | 47 | 29 | 90 | 52 | 50 | 29 | 98 | 49 | 47 | 46 | 8° S |
| 14 M | 29 | 90 | 42 | 42 | 29 | 75 | 45 | 44 | 29 | 64 | 40 | 40 | 36 | 8° W SW Rain |
| 15 T | 29 | 73 | 37 | 40 | 29 | 70 | 41 | 44 | 29 | 64 | 34 | 40 | 34 | fine W |
| 16 W | 29 | 88 | 32 | 37 | 29 | 87 | 40 | 40 | 29 | 90 | 31 | 34 | 30 | 8° SW |
| 17 Th | 29 | 96 | 32 | 37 | 30 | 02 | 36 | 37 | 30 | 10 | 30 | 34 | 27 | fine NW |
| 18 F | 30 | 11 | 26 | 34 | 30 | 00 | 37 | 35 | 30 | 04 | 31 | 34 | 24 | 8° W |
| 19 S | 29 | 49 | 44 | 38 | 29 | 35 | 45 | 42 | 29 | 79 | 36 | 34 | 34 | Rain SW N |
| 20 S | 29 | 95 | 37 | 37 | 29 | 94 | 41 | 40 | 29 | 77 | 43 | 40 | 32 | Cloudy S. fine Rain |
| 21 M | 29 | 63 | 43 | 37 | 29 | 72 | 42 | 45 | 29 | 77 | 38 | 45 | 40 | Rain N |
| 22 T | 30 | 13 | 33 | 42 | 30 | 15 | 38 | 45 | 30 | 37 | 33 | 42 | 32 | fine N |
| 23 W | 30 | 50 | 34 | 40 | 30 | 50 | 40 | 40 | 30 | 55 | 32 | 40 | 33 | 8° N |
| 24 Th | 30 | 47 | 38 | 38 | 30 | 37 | 45 | 41 | 30 | 34 | 41 | 40 | 30 | fine W |
| 25 F | 29 | 95 | 44 | 41 | 29 | 95 | 45 | 41 | 29 | 94 | 38 | 40 | 39 | Cloudy Show SW |
| 26 S | 30 | 15 | 33 | 41 | 30 | 29 | 45 | 41 | 30 | 35 | 31 | 40 | 33 | fine N show |
| 27 S | 30 | 30 | 33 | 36 | 30 | 23 | 35 | 40 | 30 | 20 | 32 | 37 | 30 | Cloudy N Show |
| 28 M | 29 | 43 | 33 | 36 | 29 | 88 | 36 | 41 | 29 | 71 | 32 | 37 | 32 | 8° N - NW |
| 29 T | 29 | 48 | 31 | 35 | 29 | 55 | 35 | 42 | 29 | 23 | 33 | 37 | 28 | Fine W Rain Snow |
| 30 W | 29 | 22 | 23 | 32 | 29 | 17 | 32 | 33 | 29 | 00 | 27 | 32 | 16 | 8° W |
| 31 Th | 29 | 21 | 29 | 31 | 29 | 35 | 32 | 33 | 29 | 65 | 29 | 32 | 26 | 1° W fine snow |
| 31. ^{1°} sudden change of the wind at 2 PM from NW to N & rise of the Barometer | | | | | | | | | | | | | | |
| 19 | 92 | 347 | 1128 | 1207 | 92 | 422 | 1262 | 1257 | 92 | 556 | 1127 | 1191 | 1003 | |

31. Much snow fell in the night with a drifting wind.

1838—41.

Chiswick
Meteorological
Record

Compiled by

GWILLIAM.

LON
194

Chiswick record

1839.

| Month | Shade Temperature | | | Rain |
|--------|-------------------|------|-------|-------|
| | Max: | Min: | Mean | Inch |
| Jan. | 53° | 17° | 37° 6 | 1.27 |
| Feb. | 53 | 20 | 40.3 | 2.19 |
| Mar. | 58 | 20 | 41.6 | 1.95 |
| Apr. | 73 | 24 | 44.7 | 1.46 |
| May | 73 | 28 | 53.2 | .82 |
| Jun. | 84 | 40 | 61.0 | 3.00 |
| Jul. | 81 | 45 | 62.5 | 2.92 |
| Aug. | 85 | 37 | 61.7 | 1.85 |
| Sep. | 78 | 36 | 57.8 | 3.92 |
| Oct. | 71 | 35 | 50.7 | 2.23 |
| Nov. | 56 | 21 | 46.2 | 4.37 |
| Dec. | 57 | 21 | 40.2 | 2.32 |
| Annual | Max: | Min: | Mean | Total |
| | 85° | 17° | 49° 8 | 27.93 |

Aug. 3.

Jan. 29.

Range 68°

1839.

Notes on Temperature &c.

1839. The year was chiefly notable for the very wet and cool summer, and the very large total rain in November. The annual rainfall was much above the average, but was slightly less than in the year 1836.

January. A fairly seasonable month. Sharp frost on the 29th, min. 11° on the grass. Rather dry.

February. Temperature about the average. Sharp frost occurred on 1st, shade min. 20°. mean temp. 28°. Rather a dry month.

March. Rather below the average temp. Sharp frosts on the 8th & 9th. temp. again falling to 20°. Average rainfall.

April. A cold, unseasonable month until the last few days. Sharp frost on 6th. May was a somewhat cold and very dry month. Frosts occurred on 14th & 16th.

Bogard well
June 1837

K

Meteol^r Journal.
Beg^r June 1st, 1837, &
Ending Dec^r 31st

1838.

(K.)

Ephraim. T. Squier.

| 1838 Nov. D. u. | Barom. Stat. of Bar. | Atm. Ther. Bar. | Ext. Ther. | Wind w. & S. to wind | State of wind | Remarks at 8 a.m. | Depth of Rain. | General Remarks. [Nov. 28.] |
|-----------------------|-------------------------------|-----------------------|---------------|-------------------------|---------------------|---|--|---|
| 1 29° 03' S | 45 | 46 | 6 | 3 | 8 | Cloudy & hazy. | | M. B. at 9 = 29° 08' C - 45° - 46°. Wind N. w. a. ^{am} |
| 2 28° 95' R | 43 | 36 | 2 | 2 | 4 | Very bright. | 0.13 | Even very bright at times. |
| 3 29° 08' R | 43 | 33 | 1 | 3 | 0 | Bright | 0.01 | Many probills have app'd this autu. ^{noon} |
| 4 28° 50' S | 44 | 41 | 2 | 2 | 0 | Fro. & dry. | 336 M. B. at 9 = 28° 54' C - 45° - 46° - 5.2 v. d. ^{am} ^{in winds} | |
| 5 28° 72' R | 45 | 43 | 1 | 3 | 1 | Cloudy & foggy. | 0.39 | M. B. at 9 = 28° 82' C - 45° - 46° - 5.2 v. d. ^{am} ^{in winds} |
| 6 29° 30' R | 45 | 35 | 2 | 2 | 0 | Bright. | 0.45 | This day was very calm, the m. B. moved from 29° 45' C to 28° 82' C. Air began to sink. |
| 7 29° 40' St | 49 | 53 | 4 | 4 | 4 | Cldy & raining fast | 3.93 | Carried temperature to day. ^{very damp on walls &c.} |
| 8 29° 64' R | 54 | 46 | 3 | 1 | 4 | Bright & drying. | | Whilst bright rather windy, afterwards calm. At 9 by 10% rain, wet night |
| 9 28° 98' S | 51 | 45 | 4 | 0 | 0 | Fog & rain. | 3.40 | |
| 10 29° 30' R | 46 | 37 | 3 | 1 | 8 | Bright. ^{N.W.} | | |
| 11 29° 28' S | 43 | 30 | 2 | 2 | 0 | Foggy & cloudy | | { A raw air with the wind from the W. or W.S. after 9 or 10 a.m. |
| 12 29° 65' R | 43 | 33 | 4 | 3 | 3 | Bright, very dry. | | |
| 13 30° 04' R | 40 | 32 | 4 | 3 | 3 | Bright, frosty. | | |
| 14 29° 88' St | 48 | 34 | 2 | 2 | 1 | Bright & frosty. | | |
| 15 29° 55' S | 44 | 40 | 3 | 1 | 0 | A dense fog. | 0.20 | |
| 16 29° 34' S | 44 | 43 | 2 | 2 | 0 | { A dense fog; ^{W.E. from the} | | Pell. smoke from the eastward. |
| 17 29° 34' R | 44 | 40 | 4 | 0 | 0 | Fog, very calm. | 0.06 | This from fog. Air calm. |
| 18 29° 24' R | 42 | 42 | 2 | 2 | 3 | { Cldy & raining. ^{W.N.E.} | — | |
| 19 29° 23' S | 44 | 38 | 4 | 3 | 3 | Cloudy, very cool. | 8.91 | |
| 20 29° 26' R | 43 | 36 | 2 | 2 | 3 | Cold & cloudy. | 0.48 | |
| 21 29° 05' S | 40 | 37 | 2 | 2 | 3 | { Cldy, foggy & dry. ^{W.E. from the} | | This has been a very uncom- fortable day. |
| 22 28° 84' S | 42 | 43 | 2 | 2 | 2 | { Cloudy, very dry. ^{W.E. from the} | 4.48 M. B. at 9. wind 25.2 v. d. at noon 5.2 v. d. ^{am} after 11.0. | |
| 23 29° 12' R | 44 | 42 | 2 | 2 | 2 | Cldy, raw cold. | | The weather has again reverted to its former state - wind &c. all day. |
| 24 29° 48' R | 40 | 36 | 2 | 2 | 2 | Cldy. & cloudy. | 0.08 | Gas over London very bright this morn. |
| 25 29° 58' R | 38 | 28 | 2 | 2 | 1 | Bright, frost. | | Weather early this morn = 27°. |
| 26 29° 50' St | 37 | 29 | 1 | 3 | 2 | Cldy, a dry frost. | | The high road is now very dry. |
| 27 29° 16' S | 35 | 28 | 2 | 2 | 3 | Cldy. sp. of snow | | Weather at 5.2 = 26°. 0.61 by H.D. ^{am} wind & rain in 20.5 x 10 min. |
| 28 28° 70' St | 38 | 35 | 2 | 2 | 0 | { Cldy & thin fog. ^{W.E. from the} | 0.71 | Precip. between 6 & 6 rain very heavy wind very strong for a time - then fair & but little wind. Bar. very low. |
| 29 28° 28' R | 46 | 47 | 2 | 2 | 6 | Very squally. | 4.80 M. B. at 9 = 28° 36.5 - 49° - 46° - almost sun. | |
| 30 28° 55' R | 47 | 44 | 2 | 2 | 4 | { Cldy. & cloudy. ^{W.E. from the} | 1.77 M. B. at 9 = 28° 63.8 - 46.5 - 46° - almost sun. ^{am} | [Lat. 8 a.m.] |

Rain in November = 3' 032 inches.

4th M. B. at 3^{pm} = 28° 54' 3" - 45° - 46° ^{with} calm. this & 5.8. No.
 at 9^{am} = 28° 54' 0" - 45° - 46° - 12.8. & dry.
Min. at 1^{pm} = 28° 51' 3" - 49° 5' - 48° - 18. No. sky, horizon.
 This was the altitude 3; here it was stationary
 between these hours. at 4, it was 28° 52' 4" -
 enter' 46° - 1.8. - 10. - 0.8. & dry. very calm all day.

Weather.

Evening very bright.

- 1 Before daylight some rain, afterward fair, & alternately bright & cloudy.
- 2 Early part of the day bright, the middle cloudy, with slight dashes of rain at times.
- 3 Bright till about 9 A.M. afterward cloudy, when it began to rain between [5 & 6 P.M.] a wet evening.
- 4 All. partially bright at times, P.M. some rain about 3 P.M. a clasp of thunder to the west; the clouds had an electrical app' all day — in the even' stars appear, night.
- 5 General dull and hazy with some drizzling rain now and then. Some partial bright openings at times. A true ~~soot~~^{foot} day on the whole. [a wet night].
- 6 Bright and pleasant till about 3 P.M. Then it became cloudy, about 8 $\frac{1}{2}$ began to rain at night.
- 7 A.M. mostly wet, P.M. fair, ^{at times} partially bright with wind. A P.M. aurora borealis.
- 8 Bright and drizzling till about 3 $\frac{1}{2}$ P.M. from this time cloudy, hazy & damp, rain at times.
- 9 A.M. wet; P.M. fair, & mostly bright — even very bright.
- 10 A fine day, and in general bright. Cirri and cumuli at time. Very little wind.
- 11 At daybreak foggy & frosty, afterward cloudy, till even' then partially bright. [After light rain] a wet night.
- 12 Bright, with a cold frosty air. A thin ice on the water. A little wind in the day, even calm.
- 13 Frosty morning, day, bright and pleasant.
- 14 Frosty morning, bright and pleasant till near evening, afterward cloudy. [to have no determinate inclination].
- 15 A dull, foggy, drizzling day, & very calm. The smoke from the chimneys seems to stir up the air.
- 16 Calm, and foggy. They appeared for a short time in the afternoon.
- 17 A.M. dull & foggy; P.M. partially bright though still hazy in the horizon.
- 18 A thorough, wet day; wind from the northeastward, & rather brisk at times. [The roads were very slippery].
- 19 A dull, cold, and wet day. Though the rain be light, yet it makes a
- 20 Cloudy all day, but fair — a little wind, and at the same time air cold.
- 21 A dull, hazy, foggy, cold and drizzling day. Some little wind.
- 22 Early, some rain, then fair till about noon; P.M. partially bright, then a slight shower of rain — even' fair & bright. Less fog, & more mist. [Heavy rain in the afternoon].
- 23 Dull, cloudy, hazy, & drizzling at times. A raw cold day. But little wind.
- 24 Cold, dark, & cloudy all the day, but at night bright and piercing.
- 25 Frosty, more & even bright; some clouds in the middle part of the day. Calm. [when it was cloudy].
- 26 Frosty, and mostly bright all day, excepting in the early part of morn'g.
- 27 Bright till about 6, a sharp, a change soon took place, it became cloudy, & the temperature cool, but fair till about 3 P.M. after this time rain with wind in, ~~and~~^{and} cold.
- 28 A very stormy day; but little rain. A.M. driving clouds; P.M. Strong squalls of wind and heavy rain at times — then fair & nearly calm; — stars appear & lightning. Stormy night.
- 29 Tremendously stormy — strong squalls of wind, with heavy showers of rain at intervals. Before daylight frequent lightning & roar of thunder with roaring winds, hail, & rain. Even' stormy, with lightning.
- 30 A.M. very cold, but before daybreak, ^{rain} a little wind. Calm about the noon.
- All. cloudy, but P.M. partially bright but little wind. Halo about the moon.

The 28th. P.M.
 M? Bar^r = 28° 14' 50" - 49° - 45° - S.S.E. - R.S.W. - ed's in rapid motion. Land } about 3 P.M. The wind
 = 28° 38' 7" - 50° - 45° - Do [at $\frac{2}{3}$ = 28° 43' 0" became steady S.W.
 = 28° 35' 8" - 49' 5" - 45° - Left wind [$\frac{2}{3}$ = 41' 0"
 = 28° 33' 0" - 51° - 47° - Do [$\frac{3}{2}$ = 3' 44"
 = 28° 35' 4" - 51' 5" - 47° - but little wind just now [$\frac{3}{2}$ = 3' 46" } very squally, wind very
 28° 35' 4" - 52° - 47° - Do [$\frac{3}{2}$ = 3' 39" - 50" strong at times & then calm
 driving rain.

29th Early this morn^s strong squalls, with rain, hail, Thunder & Lightnings. At ~~Redwood~~
 a house was struck by the lightning & very much damaged; it was inhabitable. Several
 accidents of the like happened in different parts of the country during this

| 1838 Dec ^r Date D.M. | Station Baron. of Brixton | at Other Stns. | Excl Wind or S. & W. | Wind at 8 A.M. | State of Rain. | Remarks | Depth of Rain. | General Remarks. [Dec ^r 38.] |
|--|------------------------------------|--------------------------------|---|---|----------------------|---------|----------------------|---|
| 1 29 10 R 47 44 | 6 3 | 4 | Cloudy. | G.B. at 10 P.M. = 28.94. | | | | |
| 2 29 07 R 56 53 | 2 2 | 4 | {Cloudy. S. N. W. 53.2 | This was measured at 2, some of which was rain. | | | | [this time rain. |
| 3 29 08 St 49 44 | 3 1 | 2 | Bright. | 490 | | | | |
| 4 29 14 R 46 39 | 2 2 | 3 | Bright. | 008 in the even ^t & very bright. | | | | |
| 5 29 38 R 43 38 | 4 2 | {Cloudy. Some rain 0.05 | | | | | | |
| 6 29 81 R 44 40 3 | 1 0 | Cloudy. 0.020 | | | | | | |
| 7 29 82 St 43 45 2 | 2 0 | {Foggy. Rainy. — | very calm all day; Bar' high 28.81. | | | | | |
| 8 29 93 R 45 31 2 | 2 2 | Bright, hour, 50 23.6 | | | | | | |
| 9 30 00 St 40 30 2 | 2 0 | Adverse fog. 0.01 | | | | | | |
| 10 29 87 S 39 34 | 6 0 | Noisy, frosty, & dry. | | | | | | |
| 11 29 85 R 40 38 | 4 0 | Cloudy & hazy. | | | | | | |
| 12 29 94 St 44 39 | 2 2 | Cloudy. [—] | | | | | | |
| 13 29 91 St 43 45 | 2 2 | Cloudy. | | | | | | |
| 14 29 97 R 43 40 6 | 3 0 | {Cloudy, calm. | C.M. the smoke bent from the north. | | | | | |
| 15 29 96 St 44 36 2 2 | 6 | Bright. | 0.030 Little or no wind. | | | | | |
| 16 29 95 St 42 36 1 3 | 2 | Cloudy, air cold. | {Some leaves still on the elms at want-wait, but they look brown, tho' they did not fall. | | | | | |
| 17 29 96 R 40 33 | 4 0 | {Very dark, S. N. W. | Max. temp. 34, hence a cold day. | | | | | |
| 18 29 92 S 38 32 | 4 | Cloudy. Foggy. | Foggy, in the even ^t . The high-road places nearly dusty. | | | | | |
| 19 29 03 S 38 32 | 4 | Cloudy, dark & hazy. | | | | | | |
| 20 29 78 St 37 29 | 1 3 | Bright, frosty. | A moon-sun to the right about 11. a.m. | | | | | |
| 21 29 92 R 39 34 | 2 2 | Dull, edgy & hazy. | | | | | | |
| 22 29 71 S 37 32 | 6 3 | Cloudy, some rain. 0.064 | | | | | | |
| 23 29 22 S 40 42 | 1 3 | Cloudy & wet. 3.66 | This was measured at 2, but there was but little rain between 12 & 2 p.m., so it was only doubtful. | | | | | |
| 24 28 96 S 43 40 | 3 1 | Dark, drizzling. 0.033 | Foggy. Damp. | | | | | |
| 25 29 22 R 40 30 3 | 1 | Bright & light. 0.010 | | | | | | |
| 26 29 54 S 35 24 | 4 | Cloudy, the smoke. 0.010 | Very few field-harvested winged beans as yet. | | | | | |
| 27 29 24 R 38 32 6 | 3 2 | Bright, frost. 3.54 | Saw Lyra pass the meridian to day when it was about 9 minutes of 9 A.M. | | | | | |
| 28 29 77 R 38 29 | 4 1 | Bright. | Max. G. Bar. 29.91, wet. | | | | | |
| 29 29 82 S 38 33 | 1 3 | Cloudy & red. 0.010 | The clouds red about the time of sun rising. | | | | | |
| 30 29 74 S 43 46 | 3 1 | Cloudy, hazy & drizzling. 4.45 | A very uncomfortable day. | | | | | |
| 31 30 02 R 43 32 | 4 6 | Bright, light, frost. 0.020 | 0.005 This fell on the mor ^e of the 1st Jan ^r 1839. | | | | | |

Rain in Dec^r 1838 = 2.282 inches.

| 1838 Dec ^r Date D.M. | Weather. | [Dec ^r 1838] |
|--|----------|-------------------------|
| 1 A.M. fair but mostly cloudy, Pitt. hazy and drizzling till 8 A.M. after a | | |
| 2 Squalls of wind and nasty showers; latter part of the day some bright | | |
| 3 Rather windy with a slight dash of rain for a few minutes about noon, & | | |
| 4 Fair, and mostly bright - in fact, a somewhat calm, & pleasant day. | | |
| 5 Some bright intervals tho' mostly cloudy, with light rain at times. | | |
| 6 Early part of the day some clouds, afterwards bright & pleasant till evening. | | |
| 7 Foggy, with light rain till near sunset - even starlight. | | |
| 8 Frosty, & the atmosphere bright greater part of the day. | | |
| 9 Frosty, more, foggy, cloudy, & the trees dropping all day. Very calm. | | |
| 10 Frosty, & mostly bright all day, & which partially obscure the sun. | | |
| 11 Very calm, but cloudy, foggy, & hazy. | | |
| 12 Dull and hazy - generally calm. | | |
| 13 Calm and cloudy. | | |
| 14 Very calm - cloudy all day, but bright for a time during P.M. | | |
| 15 Some rain before daylight, afterward bright, or nearly so, the rest of the day. | | |
| 16 Fair, but cold and cloudy. Very little wind - calm in general. | | |
| 17 Calm, cloudy, and hazy - a very gloomy day. | | |
| 18 A cold frosty air, more & even cloudy, middle part of the day partially bright, calm. | | |
| 19 A cold, dull, hazy day, and calm. [This morn, where there was no fire, were frozen on the outside. | | |
| 20 A.M. frosty & mostly bright, Pitt. cloudy & hazy, with some little wind. The windows, | | |
| 21 a raw cold, hazy, and foggy atmosphere. Bar' rising. | | |
| 22 Though cloudy yet fair till about 9, afterwards rain at times, & foggy P.M. without. | | |
| 23 Cloudy, & dark, with rain more or less greater part of the day. | | |
| 24 A dull, foggy, drizzling day. Very dark, & damp weather now. | | |
| 25 Bright, and freezing all day, in the shade. But little wind. | | |
| 26 A sharp frost this morn & mostly bright A.M. but P.M. was cloudy & stormy, and soon after dark it began to rain. - Hence wet even ^s & night. | | |
| 27 A.M. frosty and bright, Pitt. some clouds passing over at times, night bright. | | |
| 28 Fair, bright, and frosty. A calm, & pleasant day for the season. | | |
| 29 Early A.M. frosty, but a thaw soon came on, and in the afternoon it proved wet & drizzling. The whole day dull & cloudy. [8 P.M. wind changed to N.W. 8.7 m. | | |
| 30 Cloudy, dark, hazy, wet, and drizzling. Roads, & paths very slippery. About a | | |
| 31 A slight frost in the morn. The whole day fair & bright. | | |
| 2d. About noon it came over very dark, and for a short time the rain came down in torrents, lightning was seen, & distant thunder was heard by some. At the same time in London, very heavy rain & much lightning & thunder & also in the evening. The Palace at Brighton was struck the same night by the lightning. It is not very common to have so much lightning & thunder at time of the year. | | |

| 1839 Jan st Barom. Dust. | State of Bar. | at Ext. | Wind Thur. | Wind Bar. | State of Wind Thur. | Remarks at 8 A.M. | Depth of Rain. | General Remarks. [Jan st 39.] | 1839 wrote. The w.p. window in the landing place to the Bed Room, where the self-registering thermometer often hung for ascertaining the minimum temperature, is 1°. 8° or nearly 13 feet from the ground. |
|--|---------------------|------------|---------------|--------------|------------------------------|--------------------------------------|--|--|--|
| 1 29.96 | S | 39 | 37 | 2 2 | 4 | Wind & Rain. | | Wind brisk greater part of day. | After being for ascertaining the minimum temperature, is 1°. 8° or nearly 13 feet from the ground. |
| 2 29.64 | R | 44 | 42 | 3 | 3 | Cloudy. Before 8 A.M. | .001 | | Jan st for w.p. window, & had weather. |
| 3 29.55 | S | 44 | 44 | 2 2 | 2 | Cloudy. Before 8 A.M. | | | Dust often use N.E. W. in different parts of the journal. |
| 4 29.46 | S | 46 | 40 | 2 2 | 2 | Eddy. & Small rain. 070 | { Reduces toward the set of this even ^g | | [Jan st 39.] |
| 5 29.36 | St. | 40 | 32 | 2 2 | 3 | At. - N.W. | { something like a comet's tail. | | |
| 6 29.28 | R | 38 | 31 | 2 2 | 3 | Eddy. - Eds. .001 | | | |
| 7 28.62 | R | 43 | 43 | 1 3 | 7 | Bt. a slight - Eds. 269 | { Before daylight wind very strong very stormy. | | |
| 8 29.05 | R | 37 | 31 | 3 | 5 | Snow storm. | .011 { A slight frost. Snow partially covered the ground at 8 A.M. | | |
| 9 29.23 | R | 36 | 30 | 2 | 2 | Bt. a slight frost. | .010 At 8 A.M. w.p. window temp. 22° | | |
| 10 29.83 | R | 33 | 26 | 2 2 | 1 | Eddy. Frosty. | { Wind more between 8 & 7 well back 22° at 8 h. 26°. w.p. window = 24°. | | |
| 11 29.73 | S | 37 | 40 | 2 2 | 3 | Eddy. & hazy. .011 | | | |
| 12 29.75 | R | 45 | 46 | 1 | 3 | Eddy. A mild. 013 | { C. Bar. at 10 ^{am} = 29.82 | | |
| 13 29.63 | S | 45 | 48 | 1 3 | 5 | Eddy. Hazy. | | | |
| 14 29.60 | St. | 46 | 42 | 2 2 | 2 | Eddy. thin - . | M.B. at 8 P.M. = 29.41 - 49°. | | |
| 15 29.40 | R | 40 | 33 | 4 | 3 | Bt. a light frost. | .022 When clouds appeared the wind was very strong. | | |
| 16 29.52 | St. | 37 | 32 | 1 | 3 | Shy. & red eddys. | | | |
| 17 29.57 | R | 34 | 26 | 2 | 2 | Bright. Frost. | { Temp about the freezing point during the middle part of day. | | |
| 18 29.72 | R | 34 | 24 | 2 | 2 | Bright. Frost. | | | |
| 19 29.23 | S | 36 | 42 | 2 2 | 5 | Eddy & dry. 030 | { during the rain wind strong from the wind northerly 1 P.M. - was very bad in | | |
| 20 29.57 | St. | 38 | 34 | 2 2 | 3 | Eddy. Ground frost. | .083 19° - 20° min. = 28° at w.p. window | | |
| 21 29.27 | St. | 44 | 48 | 1 3 | 3 | Eddy. & wet. .443 | | | |
| 22 29.65 | R | 46 | 38 | 4 | 3 | Bt. a few eddys. 063 | | | |
| 23 30.08 | R | 38 | 32 | 4 | 2 | Eddy. Shy. a few | at 10 ^{am} . M.B. = 30.205 max. Temp. 2.35° | | |
| 24 30.12 | St. | 37 | 32 | 1 | 3 | A slight frost. | am. B. at 9 = 30.140 - 35° - 33.5° - Eddy. Day | | |
| 25 29.73 | S | 39 | 43 | 1 | 3 | Eddy. hazy. a few | | | |
| 26 29.72 | R | 40 | 32 | 3 | 1 | Eddy. frosty. 063 | | | |
| 27 29.93 | R | 36 | 30 | 2 | 2 | Eddy. Shy. thin. 063 | | | |
| 28 29.62 | S | 35 | 29 | 3 | 1 | Cloudy, opening | | | |
| 29 29.85 | S | 34 | 28 | 2 | 2 | Bt. a little snow on the ground. 042 | Then on ground at 8 ^{am} = 26°. B. at 10 ^{pm} = 28.72° | | |
| 30 28.81 | R | 32 | 16 | 2 | 2 | Very b. horizon red. frosty. sharp | am. well 28.840 - 23° - 18° - 16° - 14° by 10 ^{pm} | | |
| 31 28.73 | R | 29 | 26 | 2 | 5 | Eddy. & Hazy. 010 | This prominent peak fell in the night down blown out of the funnel of the long gash. | | |
| | | | | | | | This morning, Shet. fell 10 ^{am} of 31 st Jan st . | | |
| | | | | | | | Rain in Jan st = 4.458 inch. | | |
| | | | | | | | on 30 th | | |
| | | | | | | | Note. Wall there was 36° at 6 th A.M. & | | |
| | | | | | | | remained so till about 8 th . | | |
| | | | | | | | 30 th B. 28.53 - 5. - 29°. Snow & strong winds. | | |
| | | | | | | | 31 st A considerable depth of snow on the ground this morning much broken in places. | | |

min. temp. in night of 9th-10th at w.p. window = 18°.

17th-18th min. at w.p. window = 25°

min. temp. w.p. w.p. (27° 28°) = 23°

30th This most min. temp. on the snow = 12°.

30th This most min. temp. on the snow = 12°.

Note. Wall there was 36° at 6th A.M. &
remained so till about 8th.
30th B. 28.53 - 5. - 29°. Snow & strong winds.
31st A considerable depth of snow on the ground this
morning much broken in places.

Some little rain all. but P.M. was fair & partially bright at times. Snowy bright intervals.

Dark cloudy & openings of sky with some little rain all. but P.M. fair and a

Fair, but alternately bright and cloudy. Blustering winds.

Early in the morn' rain, after 9th fair and bright.

A slight frost, & partially bright A.M. Early P.M. a dash of rain, after which

Frosty fair all. but cloudy. P.M. snow, and then rain.

Strong winds, with driving dashes of rain & small hail; bright intervals.

Two heavy snow-storms, one less, the other P.M. attended with very strong gusts of wind - intervals bright with less wind. Evening more calm.

Bright and frosty all day - all the middle part of the day the temp. 32° but at 8th P.M. temp. = 24°.

Frosty. Early cloudy, from about 8 A.M. bright, afterwards cloudy with a remission of the frost. After, little wind, even calm.

Very dull, hazy, & drizzling day. Rather windy. The air more cool.

Fair, mild, calm, and pleasant day with bright intervals. Towards evening a

Fair, but cloudy & windy all day. Very stormy. [Borealis between 7 & 8

A.M. fair but cloudy. Till rain till near set - bright even, with a brilliant aurora

A slight frost. a cold windy day, but mostly bright. [time night bright.

A slight frost & mostly bright - about setting some snow for a short time.

Fair, alternately bright and cloudy. Cold winds & frosty.

All. bright and frosty, P.M. some clouds, night cloudy & temp. rising.

All. cloudy, rain from 8 to about 8 P.M., afterward fair but cloudy till sun set; evening & night bright with an aurora borealis - frosty.

Fair but cloudy till about 10 P.M. after this wet & drizzling, tho' not much rain.

Cloudy, and wet greater part of the day.

A slight frost, fair, & mostly bright. A few clouds passed over at times.

A slight frost, partially bright at times, though mostly cloudy.

A slight frost, but cloudy during the day, even bright with some little wind. [few drops of rain.

Bright before daylight, but afterwards mostly cloudy, & rather stormy with a

A slight frost with storms of snow & sleet at times. Bright intervals.

A nice gentle frost, though mostly cloudy. Roads dry. But little wind.

A frosty morn, the day on the whole cloudy, a thaw P.M. Snow at night.

(A.M. frosty & mostly bright, but P.M. cloudy with rain & snow after 4th Oct.)
Snow very fast at times after dark - clouds drop in places. A great change in temp.

This most a sharp frost & bright, P.M. cloudy till even. Then partly cloudy next morn about 4 A.M. began to snow - from 10 to near midnight snow & very strong winds.

and cloudy with some snow passing at times; 2nd much snow after dark. Rather windy.

The hurricane of the night of 9th, & morn of the 10th has been attended with more disastrous consequence, than any that has occurred for these great number of years. In Ireland, Scotland, and the north of England this storm was severely felt, by the loss of life & property, particularly on the coast. The snow that fell in the even^g of 31st was in depth about 1^{1/2} inches, or 1.375, but in the great gale 073 for the depth of water; hence 1 inch of water = 18.835 of snow; this gale 15 inches of snow = 1 inch of water; hence some must have blown out of the gauge. I think

EPPING, ESSEX LAT. $51^{\circ} 41' 42''$ N. LONG APPROX $25\frac{1}{2}$ EAST.
MET. JOURNALS FOR 1.JAN 1820 - 29 JULY 1860, IN 25
VOLUMES. BY THOMAS SQUIRE.

VOL. 1. JAN. 1820 - DEC. 1821.

DAILY READINGS OF;

BAROMETER AND ATTACHED THERMOMETER.

WIND DIRECTION

VISIBILITY AND CLOUD COVER,

EXTERNAL THERMOMETER

TIME OF READING (8am, 2pm GENERALLY)

REMARKS FOR THE DAY.

VOL. 2. JAN 1822 + DEC. 1823.

AS VOL. 1. INC. RAINFALL AND EVAPORATION.

VOL. 3. JAN 1824 - JULY 1825.

VOL. 4. AUGUST 1825 - APRIL 1827.

VOL. 5. MAY 1827 - DEC 1828.

ALL AS VOL. 2.

1829 - 29.7. 1860.

REMAINING VOLUMES SAME DATA AND COVER APPROX. 1 YEAR
IN EACH.

1838
October

Ther. Barom. Wind. Rain. Weather. Hyg.

Sunday $8\frac{1}{2}$ 53° 29.79 NW $\frac{8}{2}$ Bright
21 $9\frac{1}{2}$ 56 $\frac{1}{2}$ S. $\frac{11}{2}$ cloudy
— 10 — 55° 29.76

Monday $8\frac{1}{2}$ 56° 29.68 S Dull — Misty from 6 to 8 o'clock
22

Tuesday $8\frac{1}{2}$ 53 29.48 S Dull.

Wednesday $8\frac{1}{2}$ 50 29.23 No. Bright

25 Thursday $8\frac{1}{2}$ 46 29.60 SSW Bright w.
slight mist
29.25 S.E. cloudy

26 Friday $8\frac{1}{2}$ 52 $\frac{1}{2}$ 29.24 W. Dull
Brighter
Dull

27 Saturday $8\frac{1}{2}$ 45 $\frac{1}{2}$ 29.39 S.E. Bright
clouded
28.97 Heavy rain

1838
October

Ther. Barom. Wind. Rain. Weather. Hyg.

Sunday $8\frac{1}{2}$ 43° 29.10° NW $\frac{8}{2}$ Bright-
20 $\frac{17}{2}$ clouded
cold mist

Monday $8\frac{1}{2}$ 42 $\frac{1}{2}$ 28.76 N.W. Rain w.
high wind
29 Bright aftn

Tuesday $8\frac{1}{2}$ 43 29.20 SW Bright
30 still

Wednesday $8\frac{1}{2}$ 42 $\frac{1}{2}$ 28.97 WNW Bright
31 (cloudy) w/flying clouds

Thursday $8\frac{1}{2}$ 42 $\frac{1}{2}$ 28.97 WNW Bright w.
November flying clouds

1 Friday $8\frac{1}{2}$ 40 28.84 NW Bright
2 clouded
rain clear

3 Saturday $8\frac{1}{2}$ 30 28.99 WNW Bright

| 1838 | Ther. | Barom. | Wind. | Rain. | Weather. | Hyg. |
|------------------------------|------------------|--------|-------|-----------------|--|------------------------|
| November | | | | | | |
| Sunday ... $\frac{8}{12}$ | 43 | 28.88 | S | — | Dark & Rainy | |
| 4 | | 28.35 | | $\frac{52}{19}$ | | |
| Monday ... $\frac{5}{12}$ | 43. | 28.56 | NW | | Dark & foggy - | |
| 5 | | 29.03 | | | | |
| Tuesday ... $\frac{5}{12}$ | 38 | 29.22 | NW | | Bright & frosty - | |
| 6 | | | | | | |
| Wednesday ... $\frac{6}{12}$ | 53 | 28.95 | SW. | | Dark & rainy Bright clouded with very high wind | Rainy during the night |
| 7 | | | | | | |
| Thursday ... $\frac{8}{12}$ | 48 | 28.99 | S.E. | | Bright | |
| 8 | | | | | | |
| Friday ... $\frac{8}{12}$ | 43 | 28.90 | W | | Dark & damp Bright Slight mist | |
| 9 | | | | | | |
| Saturday ... $\frac{8}{12}$ | 41 $\frac{1}{2}$ | 29.18 | W. | | Bright | |
| 10 | | | | | | |

| 1838 | Ther. | Barom. | Wind. | Rain. | Weather. | Hyg. |
|-----------------|--------|--------|-------|-------|------------------------------------|------------------------------|
| November | | | | | | |
| Sunday ... 8/2 | 34 | 29.19 | SW | | sun just breaking tho' mist. | frost |
| 11 | 37 | | E. | | Fair | |
| | | | N.E. | | | |
| Monday ... 8/2 | 34 | 29.60 | N.E. | | Bright | Hard frost. |
| 12. 1 pm | 45 | 29.75 | | | Brilliant a cold | |
| Tuesday | 33 | 29.92 | N.E. | | Brilliant | frost - |
| 13 | | | | | | |
| Wednesday | 32 1/2 | 29.97 | N.E. | | Brilliant | Thick ice: ground very hard. |
| 14 | | | | | - | |
| | | 29.67 | | | Thick | |
| Thursday | 39 | 29.64 | SE | | Raw fog. | |
| 15 | | | S | | a little | |
| | | | SW | | cleared | |
| Friday | | | N.E. | | Thick fog | |
| 16 | | | | | | |
| Saturday | | 29.23. | E. | | Thick fog | |
| 17 | | | | | dark & rainy | |

| 1838 November | Ther. | Barom. | Wind. | Rain. | Weather. | Hyg. |
|--------------------|----------|--------|------------|-------|---|---|
| Sunday 8½ | 41 | 29.23. | E. var. | | Cold & Rain | Rain in the night - |
| 18 | | | | | wind high dark & rainy | |
| 19 Monday ... 8½ | 36 | 29.19. | E. var. | | Cold & rainy Snowing fast | snow began about 10. AM lasted to 1/2 past 3 PM - ground very white - |
| | 12 - 33½ | | | | | |
| | 3 - 33 | 29.11 | | | | |
| 20 Tuesday 8½ | 37 | 29.20 | ESE | | Cold & clear - small rain & sleet. | a little snow still lying |
| 21 Wednesday 8½ | 35 | 29.02 | ESE | | Cold & clear - a little snow | |
| 22 Thursday 8½ | 39 | 28.80 | NE | | Cold & bleak - rain & sleet | |
| 23 Friday 8½ | 40 | 29.05 | E. var. | | Dark & dull | |
| 24 Saturday 8½ | 34 | 29.16 | S.E. | | Dull & dark | |

| 1838 | Ther. | Barom. | Wind. | Rain. | Weather. | Hyg. |
|--------------|---------------|--------|--------------|-----------------|--|--|
| November | | | | | | |
| Sunday 25 | 32 | 29.52 | N.E. | | Bright & sunny Bright | |
| Monday 26 | 30 12 - 32 | 29.40 | S.E. var. | | Clear - Bright | very hard frost |
| Tuesday 27 | 29 11 - 29 | 29.02 | S.E. var. | | Dark - | very hard frost |
| Wednesday 28 | 36 1/2 | 28.57 | SSE | | Thick fog Rain increasing Violent & Stormy wind a violent | Frost is gone |
| Thursday 29 | 46 | 28.06 | SW | 02 76 (+) | Stormy Rain a Wind Showery w high wind | Awful Storm of Thunder & Lightning from about 4 p.m. to 5 1/2 am. (X) greater part fallen in 24 hours. - |
| Friday 30 | 45 | 28.38 | NW | | Clear Bright a scat. | |
| December | | | | | | |
| Saturday | 45 | 29.00 | WNW | | Bright a scat. cold & misty | |

1838

December

| | Ther. | Barom. | Wind. | Rain. | Weather. | Hyg. |
|-------------|-----------------|------------------|--------|-------------|-------------------------------------|--------------|
| Sunday | 8 $\frac{1}{2}$ | 48 | 28.88. | SE. | 03. Clear - 8 Bright | |
| 2 | | | | | | |
| 3 Monday | 8 $\frac{1}{2}$ | 46 | 28.91. | N.W. SW. | Bright slight haze very clear | |
| 4 Tuesday | 8 $\frac{1}{2}$ | 40 | 29.00. | NW Var. | Bright clouded wind cold | |
| 5 Wednesday | 8 $\frac{1}{2}$ | 42 | 29.30 | NNW | cloudy — damp & cold | |
| 6 Thursday | 8 $\frac{1}{2}$ | 32 | 29.73 | NW | Bright clouded misty | Slight frost |
| 7 Friday | 8 $\frac{1}{2}$ | 44 $\frac{1}{2}$ | 29.77. | N.W. | Dull & misty | |
| 8 Saturday | 8 $\frac{1}{2}$ | 34 | 29.89 | NW. | Bright | White frost. |

1838

December

| | Ther. | Barom. | Wind. | Rain. | Weather. | Hyg. |
|-----------|-----------------|------------------|--------|------------|----------------------------|--------------|
| Sunday | 8 $\frac{1}{2}$ | 34 $\frac{1}{2}$ | 29.94 | N | Mist - Clearing | white frost. |
| 9 | | | | | Bright | |
| Monday | 8 $\frac{1}{2}$ | 31 | 29.79 | N.W. | Bright | white frost. |
| 10 | | | | | 29.71 | |
| Tuesday | 8 $\frac{1}{2}$ | 41 | 29.83 | NNW | Thick fog | Thaw. |
| 11 | | | | | 29.88 | |
| Wednesday | 8 $\frac{1}{2}$ | 41 | 29.86 | W. var. | Damp & hazy | |
| 12 | | | | | Bright misty | |
| | 3 45 | 29.82 | | | | |
| Thursday | 8 $\frac{1}{2}$ | 42 | 29.83 | W. | Damp & dull all day. | |
| 13 | | | | | | |
| Friday | 8 $\frac{1}{2}$ | 40 $\frac{1}{2}$ | 29.93. | N.W. | Bright | |
| 14 | | | | | 29.96 | |
| Saturday | 8 $\frac{1}{2}$ | 38 $\frac{1}{2}$ | 29.90 | E | Thick mist till 4 p.m. | |
| 15 | | | | | clean & frosty. | |
| | 4 35 | | | | | |

1838 Ther. Barom. Wind. Rain. Weather. Hyg.

December

16 Sunday $0\frac{1}{2}$ 32 29.89 E

Clear
white frost.

S.E.

Damp & dull
than -

Monday $0\frac{1}{2}$ 35 29.80 S.E.

Damp & dark

17

Tuesday $0\frac{1}{2}$ 33 29.84 S.

Damp -

18

Wednesday $0\frac{1}{2}$ 31 29.74 S.
var.

Black frost

19

Thursday $0\frac{1}{2}$ 37 29.67 S.S.W.

Rainy.

20

Friday $0\frac{1}{2}$ 33 29.87 S.S.E.

Misty

white frost.

21

S. Thomas Ap.

Saturday $0\frac{1}{2}$ 33 $\frac{1}{2}$ 29.58 S.

Rain.
misty

Rain in the night.

22

1838 Ther. Barom. Wind. Rain. Weather. Hyg.

December

16 Sunday $0\frac{1}{2}$ 42 $\frac{1}{2}$ 29.09 SW

rain
wind.

23

Monday $0\frac{1}{2}$ 39 $\frac{1}{2}$ 28.90 E.S.E.
var.

misty rain

F

24

Tuesday $0\frac{1}{2}$ 30 $\frac{1}{2}$ 29.20 N.

Bright

white frost

25

Xmas Day.

dull

hard frost

26

Wednesday $0\frac{1}{2}$ 27 29.42 S.W.
var.

snow

rain & wind

27

Thursday $0\frac{1}{2}$ 34 29.18 N.W.

bright

black frost

28

S. Stephen Mass.

rain

very clear

29

Friday $0\frac{1}{2}$ 34 $\frac{1}{2}$ 29.73 N.W.

bright

white frost

30

S. John Evang.

rain

white frost

31

Immaculata.

rain

white frost

32

Saturday $0\frac{1}{2}$ 38 29.68 S.W.

rain

white frost

33

Sunday $0\frac{1}{2}$ 38 29.68 S.W.

rain

white frost

1838
December

| | Ther. | Barom. | Wind. | Rain. | Weather. | Hyg. |
|--------------|-----------|--------|-------|-------------|---|---|
| Sunday | 8½ | 47 | 29.60 | SW. var. | 03 Wind 34½ rising | |
| 30 | | | | | | |
| Monday | 8½ | 34 | 29.95 | NW. | Bright sunny. | |
| 31 | | | | | | |
| 1839 January | | 30.07 | | | | |
| Tuesday | 8½ | 41 | 29.80 | W. var. | Stormy Fair & sunshiny mild wind high very clear showery w/ bright intervals | |
| 2 | Wednesday | 8½ | 40½ | 29.52 | N.W. | High wind. |
| | 1 | 45½ | 29.56 | | | |
| Thursday | 8½ | 42 | 29.45 | W- | Bright | |
| 3 | | 47 | 29.39 | N.W. | Clouded w/high wind | |
| Friday | 8½ | 39½ | 28.98 | S. | Clear Bright cloudy wind high | Wind very high at night |
| | | | 29.19 | N.W. | | Flower of snow or sleet about 2 o'clock p.m. |
| Saturday | 8½ | 33 | 29.15 | W. var. | Clear & frosty. Bright | white frost |
| 12 | 37. | | | | Dull then | |
| | | 29. -5 | | | | |

1839.
January

| | Ther. | Barom. | Wind. | Rain. | Weather. | Hyg. |
|-----------|-------|--------|-----------------|------------|--|---|
| Sunday | 8½ | 32 | 29.17 | SSW. | Cloudy Snowing all the afternoon | white frost |
| 6 | | | 28.70 | | | |
| Monday | 8½ | 41 | 28.38. 28.44 | N.W. | Stormy Bright Clouded Snowing | Wind increased very high in night wind very high still |
| 7 | | | 28.92 | | | |
| Tuesday | 8½ | 29 | 29. -1. | N.W. | Bright Clouded Snowing | very hard frost - snow lying |
| 8 | | | | | | |
| Wednesday | 8½ | 27½ | 29.73. | N.W. | Bright | very hard frost - snow lying |
| 9 | 26 | | | | | Thurs: at 24 in the night. |
| Thursday | 8½ | 25 | 29.79 | SW. | Bright very clear a few drops of rain | 82 8° 23 in & night snow still lying |
| 10 | | | | | | |
| Friday | 8½ | 44 | 29.60 | W. var. | Rain fair dull. | Snow all gone |
| 11 | | | | | | |
| Saturday | 8½ | 43 | 29.72 | NNW | Cloudy Bright | |
| 12 | | | | | | |

1839

January

13 Sunday $8\frac{1}{2}$ 47 29.47 W. Alternating sun & rain all day with Wind

14 Monday $8\frac{1}{2}$ 39 29.45 W. 29.22 Clear - Dull rainy.

15 Tuesday $8\frac{1}{2}$ 34 29.31. W. Bright & frosty a little snow in the night.

16 Wednesday $8\frac{1}{2}$ 32 $\frac{1}{2}$ 29.48 W.W. Bright & frosty. a little snow

17 Thursday $8\frac{1}{2}$ 25 29.55. NW Bright & frosty 24° in night

18 Friday $8\frac{1}{2}$ 25 $\frac{1}{2}$ 29.70 WNW Bright & cloudy 24° in night or 25?

19 Saturday $8\frac{1}{2}$ 14 28.89 NW. Rain & wind Fair.

1839

January

Sunday $8\frac{1}{2}$ 36 29.40. N.W. var. Bright cloudy & cold.

Monday $8\frac{1}{2}$ 42 29.28. N.E. 21 Dull & dark w misty rain Rain increasing

Tuesday $8\frac{1}{2}$ 30 29.64 NNE Bright a little snow cloudy - White Frost

Wednesday $8\frac{1}{2}$ 33 30.-7 N. 23 30 Dull a little sun Damp thaw Frost -

Thursday $8\frac{1}{2}$ 33 30.-4 W.N.W. 24 Dull a few clouds of sun & rain Dull & hazy very clear Frost in the night, quite gone by 10. a.m.

Friday $8\frac{1}{2}$ 42 29.59. WNW 25 Raining clear Bright & mild cloudy & high wind

Saturday $8\frac{1}{2}$ 32 29.74 N.E. 26 11- 29.79 Dull frost wind rather high; & a little snow at intervals a little snow during the night

| 1839 | | | | | | | 1838 | | | | | | |
|-----------------|-------|--------|--------|--------------|---|---|-----------------|-------|--------|---------------|----------------------|-------------------------------|------|
| | Ther. | Barom. | Wind. | Rain. | Weather. | Hyg. | | Ther. | Barom. | Wind. | Rain. | Weather. | Hyg. |
| <i>January</i> | | | | | | | <i>February</i> | | | | | | |
| | | | | | | | | | | | | | |
| 27. Sunday | 8½ | 30 | 29.93. | N.E. var. | Gloomy clear & bright | Snow in the night. Ground covered. | 3 | 35 | 29.39 | W. | Dull than Bright | snow disappearing fast. | |
| | 12 | | | | | | 39 | | | N.W. | Dull & hazy. | | |
| 28 Monday | 8½ | 31½ | 29.59 | NNE | -- Gloomy | Ground partially covered | 4 | 37 | | | Dull & damp | Snow nearly all gone | |
| | | | | | | | 12 | 41 | | | Rain | | |
| 29 Tuesday | 8½ | 30½ | 29.10 | NW | -- Bright | Snow in the night - ground white again | 5 | 37 | 29.59 | W. | Bright | a little snow still remaining | |
| | | | | | | | | | | | Dull & very damp. | | |
| 30 Wednesday | 8½ | 19. | 28.74 | N.W. | Brilliant clouded Heavy fall of snow wind very high | Thaw at 16 in the night | 6 | 38½ | 29.69 | N.E. | Damp fog. | | |
| | | | | | | | | | | Misty rain | | | |
| 31 Thursday | 8½ | 25 | 28.72 | NW | Bright | | 7 | 46 | 29.75 | W.S.W. | Very damp a hazy | | |
| | | | | | w. figures water & snow | | | | | Clear | | | |
| <i>February</i> | | | | | | | | | | | Bright | | |
| 1 Friday | 8½ | 23 | 29.54 | N. | Clear | Snow still lying deep | 8 | 48 | 29.81. | S. | Mild & damp | | |
| | | | | | | | | | | A little rain | | | |
| 2 Saturday | 8½ | 32. | 29.59 | N.W. | Bright. Dull & damp decided thaw | Snow just the same. | 9 | 50 | 29.75 | W. var. | Dull but pleasant | | |
| | | | | | | | | | | Rain | | | |