

| 1858  | 9 Am - |       |        | Wind  |            | Rain   |       | mean dew-point =<br>mean humidity =     |  |
|-------|--------|-------|--------|-------|------------|--------|-------|-----------------------------------------|--|
| Jan 5 | E      | A     | Bar:   | Hyg   | Dir: Force | Square | Round |                                         |  |
| ♀ 1   | 48.2   | 47.6  | 30.069 | 48.3  | SEW 6      | —      | —     | b. v. K. CK.                            |  |
| 2     | 48.    | 48.2  | 30.020 | 47.1  | SE E 7     | 0.0003 | 0.010 | o. v. g. KS. CS. C S                    |  |
| ⊙ 3   | 48.8   | 48.   | 29.985 | 46.1  | SE E 6     | 0.012  | 0.017 | o. v. g. at 1 AM. a strong halo round 3 |  |
| 4     | 44.9   | 45.3  | 30.009 | 47.1  | SE 10      | 0.013  | 0.045 | o. v. g. KS. KC. S.                     |  |
| 5     | 36.6   | 41.1  | 30.177 | 42.1  | SE 4 1/2   | 0.019  | —     | o. v. g. KS. K. Bar. heaving            |  |
| 6     | 36.7   | 39.1  | 29.819 | 36.3  | SEBS 4     | 0.043  | —     | b. v. S. C. CS. CK.                     |  |
| 7     | 42.    | 42.1  | 29.669 | 35.2  | SE E 7     | 0.057  | 0.080 | o. m. rain - n.                         |  |
| 8     | 46.4   | 44.2  | 29.628 | 40.1  | SEW 5      | 0.063  | 0.037 | b. v. g. KS. CK. C. S.                  |  |
| 9     | 45.1   | 46.3  | 29.538 | 45.1  | SEW 4      | 0.040  | 0.345 | o. m. KS. CK.                           |  |
| ⊙ 10  | 46.3   | 46.4  | 29.670 | 45.6  | SWBS 4     | 0.224  | 0.057 | o. m. CS. S.                            |  |
| 11    | 36.8   | 42.3  | 29.851 | 43.7  | SW 3 1/2   | 0.001  | 0.057 | o. d. m -                               |  |
| 12    | 44.1   | 43.   | 30.030 | 46.1  | SW 3       | 0.023  | 0.164 | o. d. m -                               |  |
| 13    | 37.4   | 41.6  | 30.093 | 36.7  | SW 8       | 0.044  | 0.530 | b. v. K. CK. hail showers frequent      |  |
| 14    | 37.7   | 41.   | 30.170 | 35.7  | SW 4       | 0.104  | 0.530 | o. v. K. CK.                            |  |
| 15    | 45.9   | 44.1  | 30.173 | 42.4  | SW 4       | 0.520  | 0.033 | b. v. CS.                               |  |
| 16    | 45.7   | 45.   | 30.280 | 36.2  | SW 3       | 0.011  | 0.191 | b. v. S.                                |  |
| ⊙ 17  | 32.5   | 39.   | 30.475 | 36.3  | SW 3       | 0.015  | 0.003 | b. v. KS.                               |  |
| 18    | 41.    | 42.9  | 30.241 | 45.6  | W 3        | 0.011  | 0.016 | o. m. h. CK                             |  |
| 19    | 46.9   | 44.1  | 30.080 | 45.1  | W 3        | —      | —     | b. v. fog. hoar frost                   |  |
| 20    | 42.1   | 44.1  | 29.761 | 44.3  | W 6        | 0.006  | 0.014 | b. v. CS.                               |  |
| 21    | 38.1   | 40.3  | 30.291 | 44.1  | W 4        | 0.006  | 0.200 | o. v. m. K. CK.                         |  |
| 22    | 34.1   | 39.   | 30.393 | 37.6  | W 4        | 0.045  | 0.022 | b. v. g. CS.                            |  |
| 23    | 37.9   | 38.2  | 30.320 | 37.6  | W 4        | 0.003  | 0.022 | b. v. KS. S                             |  |
| ⊙ 24  | 43.1   | 41.2  | 30.220 | 33.6  | W 3        | —      | —     | o. v. KS.                               |  |
| 25    | 46.6   | 42.   | 29.780 | 32.   | SE E 4     | —      | —     | b. v. K. CK. C. S. CS.                  |  |
| 26    | 43.9   | 44.1  | 29.678 | 34.3  | S 5        | —      | —     | o. v. g. K. CK. KS.                     |  |
| 27    | 42.2   | 41.1  | 29.717 | 40.7  | SE E 10    | —      | —     | o. v. g. KS. CK. Bar. heaving           |  |
| 28    | 44.2   | 43.6  | 29.801 | 40.2  | SE 8       | —      | —     | o. v. g. KS.                            |  |
| 29    | 45.4   | 44.1  | 29.815 | 40.7  | S 3        | —      | —     | o. m. KS.                               |  |
| 30    | 50.2   | 49.1  | 29.488 | 43.7  | S 5 1/2    | —      | —     | o. m. d. K. KS. n rain at 9.15          |  |
| ⊙ 31  | 36.9   | 41.4  | 29.841 | 44.8  | S 6        | 0.012  | 0.049 | o. v. m. rain - n                       |  |
| mean  | 42.44  | 43.21 | 29.969 | 41.94 | SW 10      | 0.012  | 0.112 | o. v. g. K. KS.                         |  |
|       |        |       |        | 40.34 | WSW 3 1/2  | 0.058  | 0.128 | b. v. K. KS. CK. C                      |  |
|       |        |       |        |       |            | 0.045  | 2.053 |                                         |  |
|       |        |       |        |       |            | 1.454  |       |                                         |  |

| 1858  | 9 Pm  |       |        | Wind   | Wind         | max   | min   | mean dew-point =<br>mean humidity = |  |
|-------|-------|-------|--------|--------|--------------|-------|-------|-------------------------------------|--|
| Jan 5 | E     | A     | Bar.   | Wind   | Dir: Force   | T     | T     |                                     |  |
| 1     | 49.   | 48.7  | 30.048 | 47.23  | S-W 8        | 51.9  | 45.   | 6. v. q. KS. CS at 1.               |  |
| 2     | 47.2  | 48.1  | 29.963 | 47.53  | S 5          | 50.9  | 47.3  | 6. v. KS. CS.                       |  |
| 3     | 46.8  | 47.3  | 30.035 | 46.43  | SE 8         | 50.   | 46.4  | 0. g. q. KS. K.                     |  |
| 4     | 42.5  | 44.1  | 30.158 | 44.33  | SS E 1 1/2   | 47.1  | 42.   | 0. g. KS.                           |  |
| 5     | 34.1  | 39.   | 29.995 | 41.63  | S 5          | 43.1  | 33.4  | 0. g. KS.                           |  |
| 6     | 41.   | 41.   | 29.747 | 39.73  | SE b E 4+    | 41.6  | 32.9  | 0. g. d. KS. n.                     |  |
| 7     | 45.   | 44.5  | 29.554 | 41.83  | SW b S 5     | 48.5  | 39.7  | 0. Y. KS.                           |  |
| 8     | 50.5  | 47.5  | 29.503 | 43.93  | SW 10        | 52.5  | 42.1  | 0. Y. q. K. Bar: heaving            |  |
| 9     | 40.9  | 44.1  | 29.765 | 47.33  | SSW 6        | 51.3  | 40.9  | b 10. V                             |  |
| 10    | 42.9  | 46.1  | 29.535 | 47.33  | SW 0         | 50.6  | 41.   | 0. Y. light rain. n.                |  |
| 11    | 37.6  | 42.   | 30.153 | 41.43  | SW 5 1/2     | 43.4  | 35.9  | 6. v. S.                            |  |
| 12    | 41.1  | 44.2  | 30.033 | 35.43  | SW b W 2     | 48.6  | 36.   | 6. v. v. KS                         |  |
| 13    | 37.5  | 43.7  | 30.143 | 39.73  | SW 2         | 43.6  | 37.   | b 10. V.                            |  |
| 14    | 42.9  | 43.9  | 30.118 | 36.53  | SW 5         | 45.   | 35.1  | 0. g. KS.                           |  |
| 15    | 47.4  | 45.   | 30.183 | 42.43  | WSW 3        | 48.7  | 42.1  | 0. Y. K. KS.                        |  |
| 16    | 39.   | 44.1  | 30.463 | 46.13  | SE 1 1/2     | 48.4  | 38.5  | b 10. V.                            |  |
| 17    | 43.   | 43.   | 30.353 | 38.43  | SW b S 3     | 43.4  | 32.2  | 0. Y. KS.                           |  |
| 18    | 43.1  | 44.1  | 30.203 | 42.63  | WSW 4        | 48.2  | 40.1  | b 10. V                             |  |
| 19    | 47.1  | 45.2  | 29.807 | 42.33  | SW b W 8     | 49.4  | 41.4  | 0. Y. q. K.                         |  |
| 20    | 38.8  | 42.   | 30.050 | 44.73  | NW 8         | 48.5  | 37.   | 6. v. q. KS                         |  |
| 21    | 36.6  | 41.1  | 30.384 | 38.23  | SW b N 1     | 40.4  | 35.1  | 0. Y. K.                            |  |
| 22    | 38.   | 40.1  | 30.329 | 36.53  | SW b S 4     | 40.   | 32.6  | 0. Y. KS.                           |  |
| 23    | 37.6  | 40.1  | 30.265 | 37.53  | S b E 5 1/2  | 43.8  | 34.9  | b 9. v. q. CK in zenith.            |  |
| 24    | 44.   | 42.7  | 30.025 | 37.13  | S b E 8      | 45.4  | 36.9  | 0. Y. q. K.                         |  |
| 25    | 49.3  | 45.9  | 29.723 | 43.93  | SE 7         | 49.5  | 43.4  | 0. Y. q. K.                         |  |
| 26    | 38.9  | 41.4  | 29.638 | 44.13  | SS E 3       | 48.6  | 38.5  | 0. Y. K. KS.                        |  |
| 27    | 44.1  | 44.3  | 29.827 | 38.43  | S b E 3 1/2  | 48.   | 35.2  | 6. Y. C. K. CK.                     |  |
| 28    | 42.   | 44.8  | 29.922 | 43.93  | SW 3         | 47.5  | 41.8  | b 9. m. S in horizon                |  |
| 29    | 47.7  | 45.6  | 29.733 | 42.43  | SW 5         | 50.4  | 40.9  | 0. Y. K. KS.                        |  |
| 30    | 39.7  | 44.8  | 29.715 | 41.53  | NW 3         | 52.4  | 39.1  | 0. Y. K. KS. CS. CK.                |  |
| 31    | 35.4  | 41.1  | 29.656 | 46.73  | NW b W 4 1/2 | 49.8  | 33.6  | 0. Y. q. sleet. n.                  |  |
| mean  | 42.25 | 43.89 | 29.969 | 41.867 |              | 47.44 | 38.67 |                                     |  |
|       |       |       |        | 40.09  |              |       |       |                                     |  |

| 1858             | 9 Am  |       |        | Hyg    | Wind |       | Rain   |        | mean dew-point =                                                                        |
|------------------|-------|-------|--------|--------|------|-------|--------|--------|-----------------------------------------------------------------------------------------|
| Feb <sup>5</sup> | E     | A     | Bar.   |        | Dir. | Force | Square | Round  | mean humidity =                                                                         |
| 1                | 32.3  | 38.4  | 29.819 | 32.4   | W    | 3     | Frozen | Frozen | 0. VV. <sup>snow on ground &amp; some small particles flying about</sup> KS. S. CS. CK. |
| 2                | 33.   | 37.1  | 29.491 | 32.3   | SEbE | 1½    | Do     | Do     | 0. <sup>Hyg. frozen</sup> snowing - Hyg. frozen                                         |
| 3                | 45.1  | 41.2  | 29.210 | 44.2   | S    | 6     | 0.1203 | 0.400  | 0. m. d. KS. n.                                                                         |
| 4                | 42.2  | 41.1  | 28.810 | 42.1   | SSW  | 8     | 0.3153 | 0.620  | 0. Y. yg. KS. K. CK. n in SSW                                                           |
| 5                | 45.   | 42.9  | 29.418 | 44.9   | S    | 6     | 0.4883 | 0.029  | 0. Y. y. KS. y rain soon after                                                          |
| 6                | 47.9  | 45.4  | 29.435 | 47.9   | S    | 5½    | 0.0203 | —      | 0. Y. y. S. C. CS. CK. Bar: heaving                                                     |
| 7                | 46.6  | 45.9  | 29.583 | 46.6   | SEbS | 6     | —      | —      | 4. v. y. KS                                                                             |
| 8                | 44.5  | 44.   | 29.632 | 44.5   | SEbS | 5     | —      | —      | 4. v. h. y (At 9 <sup>30</sup> )                                                        |
| 9                | 42.1  | 43.1  | 29.578 | 41.9   | SEbE | 8     | 0.1003 | 0.132  | 0. m. - much rain - n                                                                   |
| 10               | 41.2  | 43.1  | 29.757 | 40.9   | SEbS | 6     | 0.2153 | 0.180  | 0. m. yg. rain. n.                                                                      |
| 11               | 38.1  | 41.1  | 29.862 | 38.1   | SEbN | 2     | 0.2183 | 0.010  | 0. Y. m. KS.                                                                            |
| 12               | 39.1  | 40.9  | 30.053 | 38.6   | SEbN | 3     | 0.0083 | —      | 0. m. KS. K                                                                             |
| 13               | 36.7  | 40.   | 30.065 | 37.6   | SEbE | 1     | —      | —      | 0. m. KS.                                                                               |
| 14               | 34.3  | 38.8  | 29.931 | 35.1   | NbW  | 1     | —      | —      | b <sub>10</sub> m.                                                                      |
| 15               | 32.1  | 36.   | 29.903 | 32.8   | SbE  | 2     | —      | —      | 0. m. K. KS. S Hyg. frozen                                                              |
| 16               | 33.3  | 36.3  | 29.889 | 32.9   | SbW  | 2½    | —      | —      | b <sub>10</sub> m.                                                                      |
| 17               | 29.2  | 36.4  | 29.950 | 28.7   | W    | 0     | —      | —      | b <sub>10</sub> m. Hyg. frozen                                                          |
| 18               | 39.8  | 40.1  | 29.890 | 39.7   | SEbE | 2     | 0.0003 | 0.010  | b <sub>1</sub> y. K. CK.                                                                |
| 19               | 34.4  | 37.1  | 29.751 | 33.6   | SEbE | 4     | 0.0143 | —      | b <sub>8</sub> VV. K. CK.                                                               |
| 20               | 37.5  | 38.2  | 29.557 | 37.1   | SEbE | 4½    | —      | —      | 0. Y. K. KS.                                                                            |
| 21               | 44.4  | 40.4  | 29.375 | 44.4   | SE   | 8     | 0.0023 | 0.044  | b <sub>6</sub> y. m. K. CK. KS.                                                         |
| 22               | 44.5  | 42.6  | 29.475 | 44.4   | SEbE | 7     | 0.0143 | 0.093  | 0. m. y. K.                                                                             |
| 23               | 35.7  | 39.1  | 29.657 | 35.1   | ENE  | 3     | 0.0233 | —      | b <sub>5</sub> y. C. CK. K.                                                             |
| 24               | 39.3  | 39.7  | 29.843 | 38.7   | E    | 0     | —      | —      | 0. m. KS. S.                                                                            |
| 25               | 37.1  | 38.8  | 30.165 | 36.4   | SEbS | 5     | —      | —      | b <sub>10</sub> V.                                                                      |
| 26               | 34.1  | 37.9  | 30.077 | 33.6   | NbE  | 1     | 0.0013 | —      | b <sub>10</sub> y. h.                                                                   |
| 27               | 36.1  | 37.5  | 29.925 | 35.4   | Nb   | 3     | —      | —      | b <sub>9</sub> y. C. CK.                                                                |
| 28               | 36.9  | 38.2  | 29.685 | 36.3   | NbE  | 2     | —      | —      | 0. V. C. CS. CK.                                                                        |
| mean             | 38.64 | 40.05 | 29.708 | 38.163 |      |       | 0.7267 | 1.518  |                                                                                         |
|                  |       |       |        | 36.44  |      | Sum   | 1.2923 |        |                                                                                         |

| 1858 | 9 PM |      |        | Hyg.  | Wind          |       | Max.  | Min.  | mean dew-point =<br>mean humidity = |                         |
|------|------|------|--------|-------|---------------|-------|-------|-------|-------------------------------------|-------------------------|
| Feb  | E    | A    | Bar.   |       | Dir.          | Force | T     | T     |                                     |                         |
| 1    | 30.3 | 38.2 | 29.787 | 29.8  | NWbN          | 1½    | 49.6  | 30.2  | b. m.                               | S round horizon         |
| 2    | 37.8 | 38.6 | 29.507 | 32.4  | S             | 5     | 38.   | 29.6  | o. m.                               | KS.                     |
| 3    | 42.8 | 44.8 | 28.910 | 36.4  | SW            | 5     | 51.9  | 36.0  | o. g. r.                            | gale in afternoon (10). |
| 4    | 40.4 | 42.9 | 29.363 | 40.3  | WSW           | 7     | 47.   | 38.9  | b. y.                               | S.                      |
| 5    | 46.6 | 45.9 | 29.461 | 38.6  | S             | 8     | 50.4  | 39.6  | o. y. g.                            | KS. S.                  |
| 6    | 50.3 | 47.9 | 29.505 | 44.6  | SE            | 8     | 52.6  | 45.7  | b. v. g.                            | K.                      |
| 7    | 45.6 | 46.7 | 29.580 | 50.3  | SEbE          | 6½    | 51.1  | 45.1  | b. v. g.                            | S                       |
| 8    | 43.1 | 44.6 | 29.589 | 48.4  | ESE           | 6     | 46.8  | 41.5  | o. y. g.                            | KS.                     |
| 9    | 43.6 | 44.  | 29.660 | 41.7  | SEbE          | 9     | 44.6  | 40.   | o. m. g.                            | rain - n.               |
| 10   | 38.  | 42.4 | 29.890 | 43.3  | E             | 8     | 44.4  | 37.4  | b. m.                               | KS.                     |
| 11   | 39.1 | 41.8 | 29.918 | 42.1  | EbN           | 2     | 41.6  | 35.8  | o. v.                               | KS.                     |
| 12   | 37.  | 41.9 | 30.197 | 35.1  | ESE           | 1½    | 41.9  | 36.4  | b. m.                               | KS.                     |
| 13   | 36.1 | 40.  | 29.973 | 36.4  | NbE           | 0     | 42.   | 33.9  | o. y.                               | KS. K.                  |
| 14   | 34.1 | 40.  | 29.953 | 35.2  | NNE           | 2     | 42.4  | 32.4  | b. m.                               |                         |
| 15   | 36.  | 39.6 | 29.878 | 33.2  | ESE           | 2     | 41.7  | 28.2  | b. v.                               | KS                      |
| 16   | 33.  | 40.9 | 29.943 | 31.2  | <del>SE</del> | 2     | 43.3  | 30.1  | b. v.                               | Aurora in NW            |
| 17   | 38.1 | 41.  | 29.930 | 31.4  | SE            | 3     | 45.   | 28.4  | b. v.                               | KS. K.                  |
| 18   | 35.1 | 39.7 | 29.865 | 37.2  | SE            | 5     | 43.2  | 34.8  | b. v.                               | CK. K.                  |
| 19   | 35.7 | 39.  | 29.663 | 34.5  | SE            | 3     | 39.   | 31.3  | o. y.                               | CK. K. KS.              |
| 20   | 41.2 | 39.8 | 29.475 | 35.7  | ESE           | 7     | 42.   | 34.5  | o. y.                               | KS                      |
| 21   | 45.5 | 43.2 | 29.430 | 32.2  | SE            | 10    | 46.6  | 38.2  | o. m. g.                            | KS.                     |
| 22   | 39.1 | 41.8 | 29.598 | 45.2  | E             | 6     | 46.   | 38.5  | o. m.                               | K. CK.                  |
| 23   | 36.9 | 40.1 | 29.700 | 43.5  | E             | 2     | 40.8  | 36.6  | o. m.                               | K.                      |
| 24   | 38.1 | 41.1 | 30.033 | 38.2  | SE            | 0     | 46.3  | 34.2  | b. m.                               |                         |
| 25   | 35.  | 40.9 | 30.169 | 34.7  | SEbS          | 2     | 41.7  | 33.4  | b. v.                               | K.                      |
| 26   | 35.9 | 40.  | 29.928 | 36.3  | NbE           | 5     | 42.3  | 31.2  | b. v.                               |                         |
| 27   | 35.1 | 40.2 | 29.827 | 31.4  | NNE           | 2     | 43.3  | 30.9  | b. v.                               | C. CS.                  |
| 28   | 34.6 | 39.1 | 29.693 | 35.1  | ESE           | 5     | 42.9  | 32.3  | b. v.                               | K.                      |
| mean |      |      |        | 38.19 |               |       | 44.59 | 35.19 |                                     |                         |
|      |      |      |        | 36.10 |               |       |       |       |                                     |                         |

| 1858  | 9 A.M. |       |        | Hyg   | Wind |       | Rain   |        | mean dew-point =                           |
|-------|--------|-------|--------|-------|------|-------|--------|--------|--------------------------------------------|
| March | E      | A     | Bar:   | Hyg   | Dir: | Force | Square | Round  | mean humidity =                            |
| 1     | 35.8   | 36.3  | 29.681 | 35.2  | NbN  | 7     | —      | —      | b. y. g. K.                                |
| 2     | 34.3   | 35.4  | 29.712 | 34.3  | NE   | 9     | —      | —      | o. y. K. KS. Snow on ground                |
| 3     | 37.6   | 36.   | 29.575 | 37.5  | NbN  | 8     | —      | —      | b. yv. K. CK. C.                           |
| 4     | 31.1   | 34.2  | 29.772 | 30.3  | SE   | 2     | —      | —      | b. m. CS. S. Hyg frozen                    |
| 5     | 35.5   | 35.5  | 29.668 | 35.4  | N    | 2     | frozen | frozen | o. y. K. KS. Do                            |
| 6     | 33.4   | 37.9  | 29.113 | 33.3  | NW   | 7     | 0.003  | 0.091  | b. yv. K. CK. KS. Snow on ground           |
| 7     | 33.6   | 34.9  | 29.137 | 33.3  | WbN  | 4     | frozen | frozen | b. y. K. KS. S.                            |
| 8     | 30.    | 35.2  | 29.177 | 31.6  | WNW  | 3     | frozen | frozen | b. y. CK. n in NE Hyg frozen               |
| 9     | 31.1   | 33.4  | 29.430 | 30.4  | W    | 3     | frozen | frozen | b. y. C. CK. K. KS. Do much snow on ground |
| 10    | 32.1   | 35.2  | 29.686 | 32.1  | WbN  | 1½    | frozen | frozen | b. y. K. CK. KS. n. Do                     |
| 11    | 31.4   | 33.2  | 29.853 | 31.3  | NNW  | 3     | frozen | frozen | b. y. CK. K. Do                            |
| 12    | 34.1   | 35.   | 29.938 | 33.8  | WSW  | 4     | frozen | frozen | o. m. n. Snow falling                      |
| 13    | 47.1   | 41.1  | 29.500 | 47.6  | WbS  | 4½    | 0.185  | 0.966  | o. y. K.                                   |
| 14    | 44.9   | 40.8  | 29.341 | 44.7  | SWbW | 5     | 0.060  | 0.060  | o. y. g. K. CK.                            |
| 15    | 48.8   | 42.9  | 29.675 | 48.6  | WbS  | 7     | 0.035  | 0.143  | o. yv. K. KS.                              |
| 16    | 48.3   | 45.1  | 29.793 | 48.4  | W    | 5     | 0.020  | 0.079  | o. yv. K. CK.                              |
| 17    | 49.2   | 44.8  | 29.988 | 49.3  | WbS  | 5     | 0.059  | —      | o. y. K. KS. S. n. a little rain           |
| 18    | 50.    | 46.1  | 29.930 | 49.9  | SW   | 5     | 0.008  | 0.038  | b. y. K. CK.                               |
| 19    | 48.3   | 46.5  | 30.080 | 48.2  | W    | 3     | 0.025  | 0.058  | o. y. KS. K                                |
| 20    | 47.    | 45.1  | 30.139 | 47.3  | SSW  | 5     | 0.039  | —      | b. y. C. CS.                               |
| 21    | 47.9   | 45.9  | 30.315 | 47.6  | SSW  | 2     | 0.050  | —      | b. h.                                      |
| 22    | 48.1   | 46.5  | 30.403 | 47.3  | SBW  | 1     | —      | —      | b. h.                                      |
| 23    | 45.5   | 46.7  | 30.340 | 47.2  | NWbN | 1     | —      | —      | b. m.                                      |
| 24    | 47.2   | 47.1  | 30.084 | 47.3  | WSW  | 0     | —      | —      | b. h. ES.                                  |
| 25    | 45.9   | 47.6  | 30.103 | 46.6  | SE   | 4     | —      | —      | b. y. K. CK. C. CS.                        |
| 26    | 44.3   | 46.1  | 30.061 | 46.3  | SWbW | 2     | —      | —      | b. y. K. CK. C.                            |
| 27    | 46.1   | 47.2  | 29.995 | 46.7  | NNE  | 0     | —      | —      | b. m. d. K. n.                             |
| 28    | 50.7   | 48.1  | 29.863 | 50.8  | SBW  | 3     | 0.009  | 0.009  | b. h. CS. S. C. KS.                        |
| 29    | 50.9   | 48.6  | 29.631 | 50.8  | SSW  | 6     | —      | —      | o. y. CK. KS.                              |
| 30    | 53.5   | 50.1  | 29.283 | 53.8  | SSW  | 6     | 0.027  | 0.065  | o. y. g. K. KS. S                          |
| 31    | 50.6   | 49.1  | 28.943 | 50.6  | SWbW | 2½    | 0.048  | 0.061  | o. y. K. KS.                               |
| mean  | 42.40  | 41.86 | 29.749 | 42.19 |      | Sum   | 0.352  | 1.566  |                                            |
|       |        |       |        | 40.13 |      |       | 1.060  |        |                                            |

| 1858  | 9 P.M. |       |        | Hyg.  | Wind |       | Max:  | Min:  | mean dew-point =                                                           |
|-------|--------|-------|--------|-------|------|-------|-------|-------|----------------------------------------------------------------------------|
| March | E      | A     | Bar:   |       | Dir: | Force | T     | T     | mean humidity =                                                            |
| 1     | 32.7   | 36.   | 29.675 | 32.1  | NEbN | 9     | 38.   | 31.   | Hyg <sup>r</sup> frozen<br>b. y. g. K. KS. CK. snow showers during the day |
| 2     | 33.8   | 35.   | 29.716 | 33.2  | ENE  | 10    | 35.   | 31.   | o. v. g. KS veering much                                                   |
| 3     | 32.6   | 38.5  | 29.865 | 31.9  | NEbN | 2     | 44.4  | 32.   | b. y. KS. in N. horizon                                                    |
| 4     | 35.8   | 37.8  | 29.577 | 35.1  | N    | 5     | 41.8  | 26.6  | b. y. g. KS.                                                               |
| 5     | 38.3   | 38.3  | 29.260 | 37.2  | SW   | 5     | 40.9  | 31.   | o. d. K.                                                                   |
| 6     | 33.    | 36.   | 29.117 | 37.3  | NW   | 4     | 44.6  | 29.9  | b. y. g. KS. Hyg <sup>r</sup> frozen                                       |
| 7     | 32.1   | 38.   | 28.857 | 31.5  | NWbN | 1½    | 42.   | 28.8  | b. y. KS. K. S.                                                            |
| 8     | 27.1   | 35.   | 29.489 | 25.8  | WbN  | 4     | 37.6  | 26.   | b. y. snow during day - Hyg <sup>r</sup> frozen                            |
| 9     | 32.    | 36.1  | 29.593 | 31.2  | WbN  | 4     | 37.4  | 25.2  | b. y. much snow during day - Hyg <sup>r</sup> frozen                       |
| 10    | 28.5   | 36.8  | 29.761 | 27.6  | NWbW | 0     | 37.6  | 28.5  | b. y. s in NW: a few snow showers during day - Hyg <sup>r</sup> frozen     |
| 11    | 30.6   | 36.1  | 30.051 | 29.9  | NWbW | 0     | 37.3  | 24.6  | b. y. s. Hyg <sup>r</sup> frozen                                           |
| 12    | 43.6   | 38.6  | 29.453 | 43.2  | SWbS | 5½    | 43.5  | 29.4  | o. m. rain n.                                                              |
| 13    | 40.4   | 42.   | 29.327 | 40.9  | WSW  | 2½    | 51.2  | 40.   | b. y. K. KS. aurora in N. NW                                               |
| 14    | 42.7   | 42.1  | 29.571 | 42.2  | WbN  | 5     | 49.9  | 37.6  | b. y. KS. Fine Aurora, streaming to the zenith                             |
| 15    | 47.8   | 44.8  | 29.770 | 47.3  | WSW  | 5     | 52.   | 41.   | o. g. KS                                                                   |
| 16    | 46.9   | 45.7  | 29.938 | 41.4  | WbS  | 3½    | 52.4  | 41.6  | b. y. KS                                                                   |
| 17    | 47.6   | 46.2  | 29.963 | 47.4  | SW   | 5     | 53.2  | 39.5  | b. g. KS                                                                   |
| 18    | 48.2   | 47.7  | 30.008 | 48.1  | W    | 3     | 55.4  | 44.6  | o. g. d. n.                                                                |
| 19    | 48.1   | 48.5  | 30.098 | 48.1  | SW   | 3     | 54.6  | 44.9  | o. v. KS.                                                                  |
| 20    | 46.2   | 49.1  | 30.208 | 45.8  | WSW  | 0     | 37.1  | 40.1  | b. y. CS                                                                   |
| 21    | 46.6   | 51.2  | 30.348 | 46.3  | SW   | 2     | 59.1  | 40.4  | b. y. v.                                                                   |
| 22    | 47.3   | 51.4  | 30.403 | 46.7  | N    | 1     | 58.5  | 40.3  | b. y. h.                                                                   |
| 23    | 45.8   | 52.7  | 30.212 | 45.3  | WSW  | 2     | 60.2  | 39.3  | b. y. v.                                                                   |
| 24    | 44.2   | 51.6  | 30.033 | 43.8  | NbE  | 2     | 57.6  | 39.1  | b. m. v. CS. C.                                                            |
| 25    | 39.4   | 48.7  | 30.113 | 38.1  | S    | 1     | 51.6  | 38.6  | b. y. CS in N                                                              |
| 26    | 44.1   | 49.1  | 30.031 | 44.2  | NNE  | 2½    | 52.9  | 35.5  | o. v. KS. S                                                                |
| 27    | 44.8   | 49.1  | 29.941 | 44.4  | S    | 4     | 52.7  | 42.8  | b. y. CK. K.                                                               |
| 28    | 49.4   | 50.1  | 29.783 | 49.3  | SWbS | 3     | 57.5  | 44.6  | o. v. KS. S.                                                               |
| 29    | 49.3   | 50.6  | 29.448 | 49.2  | SSE  | 7     | 55.7  | 46.   | o. v. KS                                                                   |
| 30    | 49.2   | 51.1  | 29.031 | 49.1  | S    | 5     | 56.3  | 47.7  | b. y. v. g. C. CK. KS. S.                                                  |
| 31    | 40.5   | 48.8  | 29.061 | 40.4  | N    | 6     | 56.8  | 40.8  | o. g. g. d. K. n.                                                          |
| mean  | 40.76  | 43.96 | 29.731 | 40.37 |      |       | 49.19 | 36.37 |                                                                            |

1458 I

2 1/2 0 .50.4

2.15. 50.6

3.0 - 57.8

4.0 - 57.

5-10 50.3.

Hygr

50.4  
46.8 }

50.8  
46.4 }

57.8  
47. }

57.1  
47.1 }

50.1  
47.8 }

Barom:

29.735  
47.9 }

29.732  
47.5 }

29.739  
47. }

29.747  
46.7 }

29.756  
46.2 }

K. overcast

K. 

b. V. K. CK

b. V. K. KS. CK

b. V. K. KS. CK.

*[Faint handwritten notes and sketches, including a large 'Z' shape at the top and various lines and scribbles below.]*

1.42 - 20.5  
1.20 - 20.  
1.12 - 18.1  
1.0 - 18.  
0.22 - 18.8  
0.20 - 18.8  
0.12 - 18.8  
0.10 - 18.1  
0.08 - 18.4  
0.06 - 18.  
0.04 - 18.4  
0.02 - 18.  
0.01 - 18.4  
11.42 - 20.1  
11.30 - 20.  
11.2 - 21.1  
10.38 - 18.8  
12.10 - 21.2

*[Faint handwritten notes and sketches, including a large 'Z' shape at the top and various lines and scribbles below.]*

1858

|                                            | T    | Hygt             | Bar.                |
|--------------------------------------------|------|------------------|---------------------|
| Mar: 15 <sup>th</sup> 10 <sup>h</sup> AM - | 57.3 | 57.9 }<br>49.0 } | -29.671 }<br>44.9 } |
| " " 10.39 -                                | 48.8 | 50.2 }<br>48.2 } | -29.687 }<br>45.7 } |
| " " 11.5 -                                 | 51.1 | 51.2 }<br>48.6 } | -29.704 }<br>46.3 } |
| " " 11.30                                  | 50.  | 50.1 }<br>48.1 } | -29.708 }<br>47.5 } |
| " " 11.45                                  | 50.1 | 50.2 }<br>47.3 } | -29.719 }<br>47.2 } |
| noon -                                     | 49.5 | 49.4 }<br>46.8 } | -29.722 }<br>47.3 } |
| 0.15.                                      | 49.4 | 49.2 }<br>46.8 } | -29.735 }<br>47.5 } |
| 0.30.                                      | 49.  | 48.7 }<br>46.4 } | -29.737 }<br>47.6 } |
| 0.35                                       | 48.4 | 47.3 }<br>46.4 } | -29.740 }<br>47.4 } |
| 0.40 -                                     | 48.7 | 48.4 }<br>46.6 } | -29.737 }<br>47.6 } |
| 0.45 -                                     | 48.8 | 48.7 }<br>46.6 } | -29.735 }<br>47.6 } |
| 0.50 -                                     | 48.8 | 48.7 }<br>46.4 } | -29.737 }<br>47.7 } |
| 0.55 -                                     | 48.8 | 48.6 }<br>46.6 } | -29.735 }<br>47.6 } |
| 1.0 -                                      | 49.  | 49.3 }<br>46.4 } | -29.737 }<br>47.6 } |
| 1.15 -                                     | 49.1 | 49.1 }<br>46.3 } | -29.744 }<br>47.6 } |
| 1.30 -                                     | 50.  | 50.3 }<br>46.4 } | -29.737 }<br>47.4 } |
| 1.45 -                                     | 50.2 | 50.4 }<br>46.3 } | -29.726 }<br>47.5 } |

## Day of Great Solar Eclipse

K. much blue sky towards W. (the wind being in N.E.)

K. light rain - occasional sleet.

K. high wind

K. do as opening in SW

K. CK. b<sub>5</sub>.vv clear towards W

thick cumuli. vv

do drizzle

do

do

do

do

do

do

Cumuli but not so thick

do

do

(Turning over)

| 1858  | 9 Am  |       |        | W. r.  | Wind |       | Rain   |        | mean dew-point = |                                                  |
|-------|-------|-------|--------|--------|------|-------|--------|--------|------------------|--------------------------------------------------|
| April | E     | A     | Bar:   |        | Dir: | Force | Square | Round. | mean humidity =  |                                                  |
| 4     | 1     | 36.3  | 42.    | 29.542 | 35.6 | N     | 5½     | 0.023  | 0.024            | b. v. g. K. CK. Snow during night                |
|       | 2     | 39.1  | 41.4   | 29.528 | 38.4 | ESE   | 3      | 0.022  | —                | b. v. K.S.                                       |
|       | 3     | 48.2  | 45.3   | 29.110 | 48.1 | SW    | 2      | 0.702  | 0.864            | c. v. K.                                         |
| 5     | 4     | 41.7  | 43.8   | 29.807 | 47.6 | EbN   | 5½     | 0.807  | 0.216            | c. v. g. K (at 9 <sup>h</sup> 10 <sup>m</sup> )  |
|       | 5     | 40.1  | 42.5   | 29.675 | 39.9 | EbS   | 8      | 0.216  | —                | c. v. g. K.S.                                    |
|       | 6     | 40.4  | 42.1   | 29.878 | 40.4 | E     | 9      | 0.006  | 0.040            | c. v. g. K.S. K.                                 |
|       | 7     | 43.9  | 43.2   | 29.311 | 42.9 | EbS   | 7      | 0.045  | 0.655            | c. v. g. light rain. K. n.                       |
|       | 8     | 38.1  | 41.6   | 29.204 | 38.6 | EbN   | 9      | 0.348  | 1.427            | c. m. g. rain Bar. heaving                       |
|       | 9     | 38.5  | 40.5   | 29.630 | 38.4 | E     | 8      | 0.388  | 0.135            | c. v. g. K.                                      |
|       | 10    | 39.4  | 39.    | 29.811 | 38.6 | NbE   | 3      | 0.035  | —                | b. v. CK. (at 9 <sup>h</sup> 15 <sup>m</sup> )   |
| 11    | 11    | 45.6  | 40.3   | 29.822 | 41.9 | NWbN  | 2      | 0.050  | —                | b. v. K. CK. (do)                                |
|       | 12    | 39.9  | 41.    | 29.818 | 39.4 | N     | 1      | —      | —                | c. v. K                                          |
|       | 13    | 41.   | 41.1   | 29.783 | 35.1 | EbS   | 3      | —      | —                | b. v. K. CK. CS.                                 |
|       | 14    | 45.1  | 44.9   | 29.555 | 45.1 | SE    | 8      | 0.086  | 0.192            | c. m. g. rain n.                                 |
|       | 15    | 53.7  | 49.1   | 29.326 | 52.4 | S     | 8      | 0.185  | 0.800            | c. v. g. K. CK. Bar. heaving                     |
|       | 16    | 49.2  | 46.2   | 29.769 | 48.8 | SW    | 2½     | 0.450  | 0.283            | b. v. K. CK. CS. C.                              |
|       | 17    | 50.8  | 46.1   | 29.869 | 50.8 | SWbW  | 4½     | 0.437  | —                | b. v. CK. C. K. CS.                              |
| 18    | 18    | 52.7  | 48.9   | 29.970 | 49.9 | SSW   | 4½     | —      | —                | c. v. K. KS. S                                   |
|       | 19    | 54.1  | 50.6   | 29.908 | 53.9 | SbW   | 3      | —      | —                | b. v. K. KS. C. K.                               |
|       | 20    | 54.1  | 51.2   | 29.894 | 51.2 | SW    | 4      | —      | —                | c. v. K.                                         |
|       | 21    | 59.4  | 53.4   | 30.053 | 59.4 | SW    | 2      | —      | —                | b. v. K. KS. CK                                  |
|       | 22    | 56.2  | 52.4   | 30.189 | 56.2 | NbE   | 2      | —      | —                | b. v. CS. (at 2 Pm. a hole found @)              |
|       | 23    | 61.9  | 54.1   | 30.040 | 60.9 | EbS   | 5      | —      | —                | b. h. c.                                         |
|       | 24    | 53.6  | 55.6   | 29.811 | 53.6 | SW    | 6      | 0.097  | 0.120            | c. v. g. K. (at 9 <sup>h</sup> 15 <sup>m</sup> ) |
| 25    | 25    | 48.   | 53.1   | 29.905 | 47.6 | NbW   | 3½     | 0.127  | 0.587            | c. m. rain n.                                    |
|       | 26    | 49.1  | 51.8   | 29.983 | 48.6 | WNW   | 1½     | 0.484  | 0.004            | c. v. K.S.                                       |
|       | 27    | 51.5  | 53.1   | 29.890 | 51.2 | EbS   | 2      | 0.003  | 0.050            | c. v. K. KS.                                     |
|       | 28    | 52.5  | 52.1   | 29.883 | 52.6 | EbN   | 1½     | 0.003  | —                | b. v. h. K. CK. C. KS.                           |
|       | 29    | 49.9  | 50.    | 29.341 | 49.7 | SSW   | 5      | 0.088  | 0.070            | c. v. K. KS.                                     |
|       | 30    | 46.8  | 48.1   | 28.836 | 48.1 | WNW   | 6      | 0.076  | 0.391            | b. v. K. CK                                      |
|       |       |       |        |        | 41.6 |       |        | 0.230  | —                |                                                  |
|       |       |       |        |        | 41.6 |       |        | 0.345  | —                |                                                  |
| mean  | 47.36 | 46.82 | 29.691 | 47.027 |      |       |        | 3.763  | 5.858            |                                                  |
|       |       |       |        | 44.075 |      |       |        | 5.150  |                  |                                                  |

| 1858  | 9 PM  |       |        | Ther. | Wind |       | Max:  | Min:  | mean dew-point =      |                                                     |
|-------|-------|-------|--------|-------|------|-------|-------|-------|-----------------------|-----------------------------------------------------|
| April | E     | A     | Bar:   |       | Dir  | Force | T     | T     | mean humidity =       |                                                     |
| 1     | 35.   | 44.2  | 29.735 | 33.8  | WbN  | 2     | 44.4  | 34.   | b <sub>10</sub> .v.   |                                                     |
| 2     | 41.3  | 42.1  | 29.179 | 31.4  | SE   | 8     | 41.6  | 32.4  | o. m.                 | K. K.S.                                             |
| 3     | 41.1  | 45.1  | 29.446 | 39.7  | NE   | 2     | 51.2  | 40.7  | o. m. g.              | light rain n.                                       |
| 4     | 42.   | 44.6  | 29.851 | 40.1  | EbS  | 6     | 46.1  | 38.6  | b <sub>8</sub> .v. g. | S round horizon gale                                |
| 5     | 37.5  | 41.5  | 29.484 | 37.6  | SE   | 11    | 43.2  | 36    | o. g. d. g            | veering much: c. had                                |
| 6     | 43.   | 43.5  | 29.486 | 35.1  | SELE | 10    | 45.5  | 37.8  | o. g. g. d            | n.                                                  |
| 7     | 42.1  | 43.8  | 29.211 | 39.9  | EbS  | 8     | 46.2  | 40.   | o. g.                 | heavy rain                                          |
| 8     | 38.4  | 40.4  | 29.475 | 40.6  | ENE  | 6     | 42.8  | 35.5  | o. g. g.              | K                                                   |
| 9     | 36.7  | 41.9  | 29.733 | 38.1  | EbN  | 2     | 44.7  | 35.6  | b <sub>9</sub> .v.    | CK. fine Auroras with<br>streamers all over the sky |
| 10    | 36.   | 44.   | 29.853 | 36.1  | NbE  | 1½    | 46.7  | 30.   | b <sub>10</sub> .v.   | Low Auroral arch in N. - (at 9.15 <sup>PM</sup> )   |
| 11    | 35.6  | 43.   | 29.860 | 35.2  | N    | 1½    | 50.   | 31.8  | b <sub>9</sub> .v.    | S                                                   |
| 12    | 35.9  | 42.3  | 29.789 | 34.   | NbE  | 1½    | 44.4  | 34.4  | b <sub>9</sub> .v.    | KS.                                                 |
| 13    | 40.   | 43.6  | 29.707 | 35.1  | SEbE | 5     | 46.7  | 31.8  | o. y.                 | KS                                                  |
| 14    | 50.8  | 48.1  | 29.484 | 39.6  | SE   | 5     | 57.1  | 39.7  | o. g.                 | KS.                                                 |
| 15    | 48.1  | 50.   | 29.600 | 49.5  | SW   | 2     | 59.8  | 48.1  | b <sub>1</sub> .v.    | KS                                                  |
| 16    | 45.1  | 50.4  | 29.819 | 48.2  | WbS  | 1½    | 58.4  | 40.   | b <sub>10</sub> .v.   |                                                     |
| 17    | 48.1  | 51.2  | 29.933 | 44.2  | SSW  | 4     | 59.2  | 38.8  | b <sub>1</sub> .v.    | C.S. C.S                                            |
| 18    | 50.1  | 51.   | 29.953 | 48.1  | SWbS | 4     | 56.5  | 44.1  | o. y.                 | K                                                   |
| 19    | 51.4  | 53.4  | 29.866 | 45.1  | SW   | 4     | 58.5  | 44.2  | o. y.                 | K. KS.                                              |
| 20    | 54.4  | 53.9  | 29.957 | 51.3  | SW   | 3     | 62.8  | 48.1  | o. y.                 | K.                                                  |
| 21    | 53.1  | 55.   | 29.130 | 47.9  | S    | 3     | 62.8  | 52.2  | b <sub>1</sub> .v.    | K.                                                  |
| 22    | 56.   | 58.6  | 30.158 | 53.7  | SbE  | 2½    | 66.3  | 48.4  | b <sub>8</sub> .v.    | C.S. halo round D                                   |
| 23    | 57.2  | 60.1  | 29.863 | 56.7  | SE   | 5     | 66.5  | 45.1  | b <sub>10</sub> .v.   |                                                     |
| 24    | 49.4  | 55.4  | 29.850 | 57.2  | WNW  | 2½    | 60.7  | 49.6  | b <sub>1</sub> .v.    | CK. K. Thunder at 4½ PM -<br>in W                   |
| 25    | 46.9  | 54.4  | 30.045 | 52.3  | NbW  | 1½    | 57.8  | 47.5  | b <sub>1</sub> .v.    | C. C.S.                                             |
| 26    | 50.1  | 53.9  | 29.895 | 46.6  | WNW  | 1     | 57.1  | 43.6  | o. v.                 | K.                                                  |
| 27    | 48.9  | 54.   | 29.890 | 49.6  | SEbE | 1     | 57.6  | 48.5  | b <sub>1</sub> .v.    | K. K.C. C. C.S.                                     |
| 28    | 49.5  | 54.3  | 29.706 | 48.6  | NbW  | 2     | 60.5  | 42.7  | o. v.                 | KS. K.                                              |
| 29    | 43.   | 50.1  | 28.955 | 47.2  | WSW  | 2½    | 54.2  | 43.1  | b <sub>9</sub> .v.    | KS. S. (hail at 4 PM)                               |
| 30    | 46.3  | 48.   | 28.862 | 42.2  | NW   | 5     | 48.6  | 39.5  | o. v. g.              | KS. K. heavy & frequent cold showers                |
| mean  | 44.93 | 45.39 | 29.692 | 44.24 |      |       | 55.23 | 40.73 |                       |                                                     |
|       |       |       |        | 42.35 |      |       |       |       |                       |                                                     |

| 1858 | 9 AM. |       |        | Wind  |            | Rain   |       | mean dew-point =                                                   |
|------|-------|-------|--------|-------|------------|--------|-------|--------------------------------------------------------------------|
| May  | E     | A     | Bar:   | Hyg.  | Dir: Force | Square | Round | mean humidity =                                                    |
| 1    | 43.8  | 46.4  | 28.951 | 43.1  | NNW 4      | 0.083  | 0.148 | O. m. heavy showers - n.k. (at 9 <sup>h</sup> 15 <sup>m</sup> )    |
| 2    | 43.6  | 44.1  | 29.440 | 44.1  | NbW 4      | 0.040  | 0.035 | b <sub>1</sub> VV. g. K.                                           |
| 3    | 46.9  | 46.4  | 29.295 | 46.0  | NbW 4      | 0.050  | 0.278 | O. VV. K.                                                          |
| 4    | 48.8  | 46.1  | 29.793 | 48.4  | NW 2       | 0.003  | 0.003 | O. VV. K.KS. (at 9 <sup>h</sup> 15 <sup>m</sup> )                  |
| 5    | 51.   | 49.1  | 29.872 | 51.   | NW 4       | —      | —     | O. V. K.                                                           |
| 6    | 48.7  | 47.1  | 30.175 | 48.4  | NWbN 1     | —      | —     | b <sub>2</sub> V. K. K. e. c. (at 9 <sup>h</sup> 16 <sup>m</sup> ) |
| 7    | 53.4  | 49.3  | 30.264 | 53.3  | ENE 1/2    | —      | —     | b <sub>6</sub> V. CK. K.                                           |
| 8    | 55.   | 50.1  | 30.221 | 54.9  | NbE 2      | —      | —     | b <sub>10</sub> V. (at 9 <sup>h</sup> 14 <sup>m</sup> )            |
| 9    | 54.9  | 52.6  | 30.023 | 55.1  | NbE 2      | —      | —     | O. V. K. KS. S.                                                    |
| 10   | 53.7  | 52.1  | 29.977 | 53.7  | SE S 4 1/2 | —      | —     | b <sub>1</sub> V. K. CK. (at 1.45 <sup>m</sup> halo round ☉)       |
| 11   | 53.2  | 50.6  | 29.937 | 53.1  | NbW 4      | —      | —     | b <sub>8</sub> V. C. CK. S. CS.                                    |
| 12   | 56.5  | 52.9  | 29.725 | 56.6  | N 2        | —      | —     | b <sub>9</sub> V. CS. S. CK.                                       |
| 13   | 53.8  | 53.1  | 29.532 | 53.6  | NW 1       | —      | —     | b <sub>8</sub> V. CK. K.                                           |
| 14   | 53.4  | 53.4  | 29.391 | 52.5  | W 1        | —      | —     | b <sub>5</sub> V. CK. K.                                           |
| 15   | 48.8  | 53.1  | 29.161 | 48.7  | NE 2       | —      | —     | O. V. K. KS.                                                       |
| 16   | 54.4  | 52.9  | 29.285 | 53.7  | WbS 1      | 0.028  | 0.034 | O. V. m. K.                                                        |
| 17   | 56.4  | 55.   | 29.332 | 56.8  | SSW 8      | 0.031  | 0.173 | O. V. m. g. K. 91.                                                 |
| 18   | 55.4  | 54.9  | 29.240 | 55.1  | SSW 10     | 0.166  | 0.346 | b <sub>1</sub> VV. g. K. CK. n. in SW - Bar: heaving               |
| 19   | 53.2  | 51.9  | 29.586 | 53.3  | WbS 3      | 0.280  | 0.456 | b <sub>2</sub> VV. g. K. CK.                                       |
| 20   | 53.5  | 52.1  | 29.774 | 53.2  | SE 4       | 0.395  | —     | O. V. g. S. KS.                                                    |
| 21   | 54.9  | 53.9  | 29.463 | 54.4  | SWbW 3     | 0.286  | 0.370 | O. m. light rain n. KS.                                            |
| 22   | 56.5  | 53.   | 29.304 | 56.1  | SW 5       | 0.330  | 0.275 | O. V. g. K. n. Bar: heaving                                        |
| 23   | 55.7  | 52.7  | 29.266 | 55.4  | SW 5       | 0.319  | 0.703 | O. V. g. K. n. occasional showers                                  |
| 24   | 49.9  | 51.1  | 29.425 | 49.8  | SSW 2      | 0.627  | 0.082 | O. V. rain. n. K. KS.                                              |
| 25   | 52.2  | 51.2  | 29.905 | 52.1  | WNW 2      | 0.785  | 0.335 | b <sub>2</sub> V. K. CK.                                           |
| 26   | 55.4  | 52.2  | 30.187 | 55.6  | S 5        | 0.066  | —     | O. V. K. KS. S. CK (at 9 <sup>h</sup> 15 <sup>m</sup> )            |
| 27   | 54.9  | 53.8  | 29.899 | 54.1  | SWbW 4 1/2 | 0.086  | 0.125 | b <sub>1</sub> V. K. CK. (20)                                      |
| 28   | 53.6  | 53.   | 29.968 | 53.7  | WbS 2 1/2  | 0.100  | —     | O. V. K.                                                           |
| 29   | 55.1  | 54.1  | 29.820 | 55.2  | SSW 3      | 0.002  | 0.003 | O. V. K.                                                           |
| 30   | 58.6  | 55.9  | 29.797 | 58.4  | SW 3       | 0.004  | —     | O. V. K. CK                                                        |
| 31   | 61.9  | 56.3  | 29.684 | 62.3  | S 6        | —      | —     | b <sub>3</sub> V. CK. C. CS. (at 9 <sup>h</sup> 12 <sup>m</sup> )  |
| mean | 53.13 | 51.63 | 29.668 | 53.02 |            | 2.482  | 3.365 |                                                                    |
|      |       |       |        | 49.06 |            | 3.296  | 3.356 |                                                                    |

| 1858 | 9 Pm. |       |        | Wind              | Max:  | Min:  | mean dew-point =                       |                                     |
|------|-------|-------|--------|-------------------|-------|-------|----------------------------------------|-------------------------------------|
| May  | E     | A     | Bar:   | Dir: Force        | T     | T     | mean humidity =                        |                                     |
| 1    | 43.7  | 46.   | 29.277 | 43.3 } NW W 8     | 51.   | 38.   | 0. v. g                                | KS                                  |
| 2    | 42.2  | 46.3  | 29.295 | 41.2 } SW 4       | 46.2  | 39.1  | 0. Y.                                  | Rain. n.                            |
| 3    | 42.1  | 47.8  | 29.694 | 40.8 } NW E 1     | 52.3  | 39.2  | b <sub>10</sub> v.                     |                                     |
| 4    | 49.4  | 49.4  | 29.817 | 40.2 } W 2        | 56.6  | 36.8  | 0. V.                                  | K. KS.                              |
| 5    | 45.1  | 50.5  | 30.019 | 47.6 } NW 0       | 56.1  | 45.1  | b <sub>14</sub> v.                     | K. CK. KS.                          |
| 6    | 50.3  | 52.1  | 30.233 | 44.5 } NE 1       | 57.6  | 38.6  | 0. V.                                  | K. CK. KS. C                        |
| 7    | 51.5  | 53    | 30.262 | 46.2 } NE 1       | 61.2  | 40    | b <sub>3</sub> v. K                    | (at 11 1/2 PM fine diffused Aurora) |
| 8    | 54.8  | 54.5  | 30.150 | 51.3 } E 3        | 63.2  | 42.5  | 0 v. K. KS                             |                                     |
| 9    | 48.1  | 53.2  | 29.971 | 48.9 } Ebs 2      | 58.6  | 48.1  | b <sub>3</sub> v. K. KS. CK. CS.       |                                     |
| 10   | 49.3  | 53.8  | 29.990 | 49.1 } SE 3       | 57.5  | 47.8  | b <sub>3</sub> v. CS. KS               |                                     |
| 11   | 50.6  | 54.9  | 29.843 | 46.5 } SE 0       | 61.9  | 41.4  | b <sub>8</sub> v. CS. S.               |                                     |
| 12   | 50.5  | 57.4  | 29.647 | 47.6 } N 0        | 64.5  | 48.4  | b <sub>2</sub> v. C. CS. CK.           |                                     |
| 13   | 50.1  | 56.1  | 29.500 | 47.8 } SE 1 1/2   | 62.8  | 44.8  | b <sub>2</sub> v. C. CK. K             | (Thunder in NW at 6 PM)             |
| 14   | 49.3  | 55.6  | 29.275 | 47.2 } NW E 0     | 62.6  | 46.8  | b <sub>2</sub> v. K. CK                |                                     |
| 15   | 47.9  | 54.   | 29.133 | 46.2 } N 0        | 54.9  | 46.4  | 0. m. K. KS.                           |                                     |
| 16   | 49.9  | 52.9  | 29.440 | 47.4 } SW 2       | 59.7  | 47.   | b <sub>1</sub> v. K. KS. S. CK.        | (Distant Thunder in the afternoon)  |
| 17   | 53.9  | 55.7  | 29.401 | 47.1 } SW 3       | 63.1  | 49.2  | b <sub>1</sub> m. Rain K. CK. n.       | (Thunder showers during the day)    |
| 18   | 49.   | 52.1  | 29.420 | 53.6 } SWbW 6     | 57.3  | 47.3  | b <sub>1</sub> v. g. K. KS. CK. S. CS. | Bar. heaving                        |
| 19   | 49.   | 54.6  | 29.805 | 48.6 } W 2        | 59.6  | 46.   | b <sub>9</sub> v. CS. S                |                                     |
| 20   | 54.1  | 55.1  | 29.541 | 47.4 } S 3        | 58.2  | 44.1  | 0. m. Rain n.                          |                                     |
| 21   | 49.9  | 54.4  | 29.345 | 53.7 } SWbS 2     | 61.5  | 49.9  | 0. V. K.                               | Thunder showers during the day      |
| 22   | 51.3  | 53.9  | 29.254 | 48.8 } SW 5       | 59.6  | 46.5  | b <sub>2</sub> v. K. CK                | Bar. very heavy                     |
| 23   | 47.5  | 53.7  | 29.515 | 47.4 } W 3        | 58.9  | 47.7  | b <sub>2</sub> v. K. C. CS.            |                                     |
| 24   | 46.4  | 54.   | 29.488 | 45.5 } NW 2       | 59.   | 46.   | b <sub>1</sub> v. K.                   |                                     |
| 25   | 48.1  | 53.   | 30.235 | 46.4 } N 2        | 59.4  | 41.   | b <sub>1</sub> v. CS. S. C.            |                                     |
| 26   | 55.4  | 54.9  | 29.983 | 44.3 } SWbS 3 1/2 | 60.8  | 46.4  | b <sub>1</sub> v. K.                   |                                     |
| 27   | 49.8  | 53.   | 29.006 | 44.8 } W 3        | 59.5  | 49.   | b <sub>1</sub> v. KS. K                |                                     |
| 28   | 53.9  | 55.1  | 29.917 | 42.4 } SW 3       | 59.9  | 49.   | 0. V. KS. S.                           |                                     |
| 29   | 55.8  | 62.   | 29.755 | 53.9 } SWbS 4     | 65.6  | 52.   | 0. Y. K. KS.                           |                                     |
| 30   | 54.9  | 57.6  | 29.774 | 52.4 } SEbE 4     | 62.7  | 53.8  | b <sub>1</sub> v. K. KS. CS.           | a few drops of rain                 |
| 31   | 56.1  | 60.6  | 29.847 | 58.3 } SW 2       | 70.5  | 57.9  | b <sub>5</sub> v. CK. KS. S. CS.       |                                     |
| mean | 49.68 | 53.85 | 29.703 | 49.83             | 59.43 | 45.47 |                                        |                                     |
|      |       |       |        | 47.47             |       |       |                                        |                                     |

| 1858 | 9 Am  |       |        | Wind                          |            | Rain   |       | mean dew point =  |                                                               |
|------|-------|-------|--------|-------------------------------|------------|--------|-------|-------------------|---------------------------------------------------------------|
| June | E     | A     | Bar.   | Th <sup>g</sup> <sub>50</sub> | Dir: Force | Square | Round | Mean humidity =   |                                                               |
| 1    | 60.   | 57.9  | 29.935 | 60.2                          | SWbW 2     | —      | —     | b <sub>2</sub> V  | K                                                             |
| 2    | 62.1  | 57.4  | 29.815 | 62.4                          | SEbE 3 1/2 | —      | —     | b <sub>2</sub> V  | c.c.s. K. CK.                                                 |
| 3    | 58.2  | 58.6  | 29.680 | 58.3                          | S 4        | —      | —     | o <sub>2</sub> V  | KS.                                                           |
| 4    | 59.1  | 56.1  | 29.715 | 59.1                          | SBW 6      | 0.005  | 0.013 | c. V.             | K. (at 9 <sup>h</sup> 10 <sup>m</sup> )                       |
| 5    | 58.2  | 56.1  | 29.859 | 58.1                          | SBW 3      | 0.010  | 0.314 | b <sub>4</sub> V. | K. CK.                                                        |
| 6    | 56.4  | 56.3  | 30.065 | 56.2                          | WSW 2 1/2  | 0.283  | 0.001 | o. V.             | K. KS.                                                        |
| 7    | 61.2  | 56.8  | 29.917 | 61.3                          | SbE 3      | 0.367  | —     | b <sub>2</sub> V  | K.                                                            |
| 8    | 64.4  | 58.7  | 29.723 | 64.3                          | SEbS 4     | 0.002  | —     | o. V.             | K. CK.                                                        |
| 9    | 56.9  | 60.   | 29.769 | 56.9                          | N 2        | 0.004  | drops | o. m.             | KS.                                                           |
| 10   | 60.1  | 59.1  | 29.969 | 60.5                          | NNW 1      | —      | —     | b <sub>1</sub> V. | K. CK.                                                        |
| 11   | 58.   | 57.1  | 29.929 | 58.6                          | NbE 2      | —      | —     | o. V.             | KS.                                                           |
| 12   | 62.3  | 60.1  | 29.770 | 62.5                          | SEbE 1     | 0.013  | 0.020 | o. m.             | K. KS.                                                        |
| 13   | 63.   | 60.3  | 29.635 | 63.5                          | SE 4       | 0.022  | —     | b <sub>1</sub> V. | K. CK.                                                        |
| 14   | 61.   | 60.1  | 29.476 | 61.3                          | SE 6       | 0.020  | 0.060 | c. V.             | K. KS. (at 9 <sup>h</sup> 10 <sup>m</sup> )                   |
| 15   | 63.6  | 59.3  | 29.730 | 63.4                          | SEbE 4     | 0.050  | —     | b <sub>2</sub> V. | CK. K. (at 9 <sup>h</sup> 15 <sup>m</sup> )                   |
| 16   | 61.4  | 60.1  | 29.814 | 61.2                          | SSW 1 1/2  | 0.117  | 0.119 | b <sub>1</sub> V. | c. CK. K. at 11 <sup>h</sup> 45 <sup>m</sup> PM. halo round ☉ |
| 17   | 57.5  | 58.4  | 29.656 | 57.1                          | WbS 2      | 0.002  | 0.003 | o. m.             | light rain - K.                                               |
| 18   | 60.6  | 57.1  | 29.817 | 60.2                          | S 2 1/2    | 0.004  | 0.203 | b <sub>5</sub> V. | K. dispersed                                                  |
| 19   | 64.   | 59.9  | 29.877 | 64.3                          | SEbE 4     | 0.240  | 0.172 | b <sub>1</sub> V. | K. (at 9 <sup>h</sup> 12 <sup>m</sup> )                       |
| 20   | 63.6  | 60.3  | 29.991 | 64.3                          | SEbE 1     | 0.155  | —     | b <sub>1</sub> V. | K.                                                            |
| 21   | 62.1  | 60.2  | 30.115 | 62.4                          | SEbE 3 1/2 | 0.195  | —     | b <sub>2</sub> V. | K.                                                            |
| 22   | 64.6  | 63.4  | 30.214 | 64.2                          | SW 3       | —      | —     | o. V.             | KS. S                                                         |
| 23   | 60.2  | 61.9  | 30.251 | 61.2                          | N 0        | —      | —     | b <sub>1</sub> V. | K. KS                                                         |
| 24   | 60.1  | 60.4  | 30.265 | 60.4                          | NW 3       | 0.024  | 0.025 | o. m. V.          | K. KS.                                                        |
| 25   | 60.4  | 59.8  | 30.160 | 59.4                          | NW 3       | 0.026  | —     | b <sub>1</sub> V. | K. (at 9 <sup>h</sup> 15 <sup>m</sup> )                       |
| 26   | 58.6  | 61.4  | 29.864 | 58.7                          | SWbW 4     | —      | —     | b <sub>1</sub> V. | K.                                                            |
| 27   | 56.2  | 57.8  | 29.957 | 56.1                          | WbN 3      | —      | 0.008 | b <sub>1</sub> V. | K.                                                            |
| 28   | 59.3  | 63.5  | 29.842 | 59.3                          | SW 6       | —      | —     | b <sub>5</sub> V. | K. CK.                                                        |
| 29   | 57.1  | 59.1  | 30.017 | 57.1                          | WbN 2      | —      | 0.006 | o. V.             | K. KS                                                         |
| 30   | 58.6  | 59.3  | 30.021 | 58.2                          | WbN 3      | —      | —     | o. V.             | K.                                                            |
| mean | 60.29 | 59.22 | 29.895 | 60.40                         |            | 0.882  | 0.944 |                   |                                                               |
|      |       |       |        | 56.00                         |            | 1.038  |       |                   |                                                               |

| 1858 | 9 Pm  |       |        | Wind        | Max.  | Min.  | mean dew-point = |                                                            |
|------|-------|-------|--------|-------------|-------|-------|------------------|------------------------------------------------------------|
| June | E     | A     | Bar    | Dir: Force  | T     | T     | mean humidity =  |                                                            |
| 1    | 56.1  | 61.3  | 29.971 | 56.23 WSW   | 1 1/2 | 71.   | 50.8             | b. y. C. CS.                                               |
| 2    | 57.8  | 60.1  | 29.653 | 54.13 S b E | 4     | 67.7  | 50.1             | b. v. K. CK. CS. C.                                        |
| 3    | 55.   | 59.1  | 29.611 | 53.13 S b E | 6     | 66.3  | 55.              | b. y. q. K. CK.                                            |
| 4    | 54.5  | 58.5  | 29.850 | 52.32 SW    | 3     | 65.   | 49.5             | b. vv. light rain. n. K. (thunder showers during the day.) |
| 5    | 55.4  | 60.3  | 29.943 | 52.23 W     | 2 1/2 | 66.8  | 50.4             | b. vv. CK. K. (thunder showers at 6 Pm)                    |
| 6    | 54.8  | 60.   | 30.036 | 51.23 SWbW  | 2     | 67.5  | 49.5             | b. vv. S.                                                  |
| 7    | 58.1  | 61.9  | 29.777 | 50.13 SSE   | 4     | 68.6  | 50.4             | b. v. S. CS.                                               |
| 8    | 61.   | 62.6  | 29.713 | 61.43 SEbS  | 0     | 71.6  | 53.3             | b. v. K. CK. S.                                            |
| 9    | 56.8  | 61.1  | 29.856 | 57.73 N b E | 1     | 63.6  | 55.8             | b. m. K. KS. CK. S. much sheet lightning after 11 Pm       |
| 10   | 53.1  | 61.   | 30.010 | 52.73 N b E | 1     | 65.5  | 54.              | b. v. H                                                    |
| 11   | 60.9  | 62.1  | 29.845 | 61.13 NE    | 2 1/2 | 72.5  | 48.              | b. h.                                                      |
| 12   | 59.7  | 62.   | 29.693 | 58.33 SE    | 4     | 69.1  | 55.4             | b. v. CS. S.                                               |
| 13   | 59.   | 62.3  | 29.577 | 56.83 SEbS  | 5+    | 69.4  | 55.9             | o. v. light rain. KS. n.                                   |
| 14   | 61.1  | 62.   | 29.466 | 56.63 SEbS  | 5+    | 66.6  | 57.1             | o. m. q. K.                                                |
| 15   | 58.4  | 61.1  | 29.721 | 58.33 SE    | 2     | 67.9  | 55.              | o. m. light rain. n.                                       |
| 16   | 58.8  | 63.   | 29.792 | 56.23 SWbS  | 1     | 68.6  | 55.9             | b. v. C. CS. S.                                            |
| 17   | 53.1  | 60.1  | 29.720 | 57.73 SWbW  | 2 1/2 | 65.   | 53.7             | b. v. C. CS. S.                                            |
| 18   | 56.6  | 62.1  | 29.852 | 51.13 SSW   | 3     | 67.6  | 49.5             | o. y. CS. S.                                               |
| 19   | 57.7  | 62.2  | 29.942 | 55.33 WbS   | 1     | 68.6  | 55.4             | b. v. KS. K.                                               |
| 20   | 58.8  | 63.1  | 30.067 | 56.43 SSE   | 2     | 71.9  | 55.5             | b. vv. s. in N. horizon                                    |
| 21   | 66.8  | 65.   | 30.132 | 63.43 S b W | 3     | 74.6  | 52.9             | o. y. K. KS.                                               |
| 22   | 59.9  | 64.2  | 30.299 | 60.33 N b E | 2     | 68.9  | 60.4             | o. y. KS. S.                                               |
| 23   | 59.3  | 64.3  | 30.111 | 59.33 W     | 3     | 69.9  | 56.9             | b. vv. K.                                                  |
| 24   | 54.9  | 63.4  | 30.291 | 54.43 W. NW | 2     | 67.7  | 51.9             | b. vv. S. CS.                                              |
| 25   | 58.9  | 63.7  | 30.001 | 52.23 SWbW  | 3     | 70.9  | 52.1             | b. v. K. CS. CK                                            |
| 26   | 53.4  | 60.3  | 29.900 | 53.83 W     | 2     | 61.2  | 54.1             | b. v. K. CK. (at 9.15 m)                                   |
| 27   | 53.6  | 60.1  | 30.005 | 51.43 W     | 2     | 63.7  | 49.              | b. v. CK. CS. C. S.                                        |
| 28   | 53.9  | 60.6  | 29.909 | 50.33 S b W | 3     | 66.6  | 48.9             | o. y. d. K. n.                                             |
| 29   | 56.8  | 61.2  | 29.995 | 53.33 W     | 4     | 66.5  | 53.5             | o. y. KS. K.                                               |
| 30   | 53.8  | 59.4  | 30.020 | 52.33 W     | 2     | 62.7  | 53.9             | b. v. K. CK.                                               |
| mean | 57.27 | 61.60 | 29.892 | 57.027      |       | 67.78 | 53.13            |                                                            |
|      |       |       |        | 54.87       |       |       |                  |                                                            |

| 1858 | 9 Am  |       |        | Wind  |      | Rain  |        | Mean dew-point =<br>Mean humidity = |                                              |
|------|-------|-------|--------|-------|------|-------|--------|-------------------------------------|----------------------------------------------|
| July | E     | A     | Bar:   | Wgts  | Dir. | Force | Square | Round                               |                                              |
| 4    | 56.4  | 57.9  | 30.020 | 56.1  | WNW  | 3     | —      | —                                   | 6 IV. K. CK.                                 |
| 5    | 56.1  | 57.2  | 30.017 | 56.6  | WNW  | 2 1/2 | 0.001  | 0.008                               | 6 V. K. (at 9 <sup>h</sup> 15 <sup>m</sup> ) |
| 6    | 53.5  | 56.1  | 30.145 | 56.6  | WNW  | 3     | —      | —                                   | 0 Y. K. (do)                                 |
| 7    | 54.5  | 56.2  | 29.930 | 54.2  | SWbW | 5 1/2 | —      | —                                   | 0 d. 9. KS. n.                               |
| 8    | 56.3  | 56.6  | 29.605 | 56.6  | W    | 3     | 0.190  | 0.327                               | 6 VV. K. CK.                                 |
| 9    | 52.8  | 55.3  | 29.541 | 52.6  | W    | 2     | 0.165  | 0.140                               | 0 m. rain n. K. CK.                          |
| 10   | 54.6  | 53.5  | 29.574 | 54.1  | NW   | 1 1/2 | 0.190  | 0.164                               | 6 V. K. CK.                                  |
| 11   | 54.4  | 54.6  | 29.640 | 54.7  | N    | 3     | 0.179  | 0.157                               | 6 VV. K.                                     |
| 12   | 54.3  | 54.8  | 29.823 | 54.2  | NW   | 2     | 0.189  | 0.011                               | 0 Y. K.                                      |
| 13   | 55.9  | 55.1  | 29.930 | 56.1  | NWbN | 1     | 0.011  | 0.009                               | 0 V. K.                                      |
| 14   | 62.   | 57.1  | 29.970 | 53.1  | SW   | 2     | 0.009  | 0.100                               | 0 V. K. KS.                                  |
| 15   | 64.   | 60.1  | 29.903 | 62.3  | WbS  | 1     | —      | —                                   | 0 V. K.                                      |
| 16   | 57.2  | 59.1  | 29.666 | 57.1  | W    | 2     | 0.105  | 0.145                               | 0 m. rain K. n.                              |
| 17   | 57.   | 59.1  | 29.584 | 57.2  | SWbW | 3     | 0.150  | 0.210                               | 0 Y. K.                                      |
| 18   | 57.7  | 58.4  | 29.705 | 53.2  | NbE  | 2     | 0.111  | —                                   | 6 V. H. (at 9 <sup>h</sup> 15 <sup>m</sup> ) |
| 19   | 61.2  | 60.7  | 29.665 | 54.8  | SSE  | 3     | —      | —                                   | 6 V. K. CK.                                  |
| 20   | 60.2  | 58.2  | 29.829 | 61.3  | WSW  | 1     | 0.079  | 0.083                               | 6 V. K. CK.                                  |
| 21   | 59.8  | 61.1  | 29.705 | 58.9  | SSW  | 4     | 0.084  | —                                   | 6 V. K. CK.                                  |
| 22   | 60.5  | 58.1  | 29.927 | 60.1  | S    | 4     | 0.002  | —                                   | 6 VV. K. n. rain - Thunder in E.             |
| 23   | 56.5  | 59.6  | 29.620 | 55.2  | SWbS | 2     | 0.003  | 0.007                               | 6 VV. K. CS. CK.                             |
| 24   | 58.2  | 56.6  | 29.611 | 55.3  | SW   | 3 1/2 | 0.124  | 0.151                               | 0 m. K. n. rain -                            |
| 25   | 59.3  | 57.9  | 29.661 | 57.2  | SW   | 3     | 0.141  | 0.141                               | 6 V. K. CK.                                  |
| 26   | 57.1  | 58.   | 29.631 | 59.3  | SW   | 5     | 0.140  | 0.058                               | 6 Y. H.                                      |
| 27   | 60.6  | 56.5  | 29.562 | 55.1  | SSW  | 3     | 0.073  | 0.028                               | 0 m. light rain. K. n.                       |
| 28   | 58.6  | 58.   | 29.462 | 57.2  | WbN  | 3     | 0.031  | 0.040                               | 6 VV. K. CK.                                 |
| 29   | 58.3  | 56.7  | 29.703 | 60.2  | WSW  | 4 1/2 | 0.032  | 0.040                               | 6 V. K. CK.                                  |
| 30   | 58.4  | 58.1  | 29.692 | 58.3  | N    | 1 1/2 | 0.123  | 0.107                               | 0 VV. K.                                     |
| 31   | 58.1  | 56.   | 29.860 | 58.6  | N    | 1     | 0.128  | 0.003                               | 0 Y. K. KS. CK.                              |
| 32   | 57.3  | 56.1  | 29.936 | 54.3  | N    | 1 1/2 | 0.001  | 0.132                               | 6 V. K.                                      |
| 33   | 58.6  | 56.3  | 29.983 | 53.4  | WNW  | 2     | 0.128  | —                                   | 6 V. K. CK.                                  |
| 34   | 58.7  | 58.1  | 30.061 | 53.3  | NW   | 1     | —      | —                                   | 6 V. K.                                      |
| mean | 57.68 | 57.33 | 29.774 | 57.63 |      |       | 2.675  | 2.937                               | K. much dispersed                            |
|      |       |       |        | 53.79 |      |       | 3.083  |                                     |                                              |

| 1858 | 9 Pm  |       |        | Height | Wind |       | Max:  | Min:  | mean dew-point = |                            |
|------|-------|-------|--------|--------|------|-------|-------|-------|------------------|----------------------------|
| July | E     | N     | Bar:   |        | Dir: | Force | T     | T     | mean humidity =  |                            |
| 1    | 52.7  | 59.6  | 30.027 | 52.3   | WNW  | 2½    | 63.6  | 51.4  | 0. VV.           | K.                         |
| 2    | 52.2  | 58.4  | 30.105 | 53.3   | WNW  | 2     | 61.4  | 49.7  | 0. VV.           | K. CK. KS.                 |
| 3    | 52.2  | 59.6  | 30.162 | 52.1   | N    | 0.    | 62.3  | 46.6  | b. Y.            | K. CK. S. KS. C.           |
| 4    | 54.2  | 56.4  | 29.685 | 53.5   | W    | 2½    | 62.9  | 50.3  | 0. m.            | Rain N.                    |
| 5    | 50.6  | 57.7  | 29.567 | 52.6   | W    | 1     | 60.6  | 50.9  | b. VV.           | K. CK.                     |
| 6    | 49.2  | 55.2  | 29.551 | 52.2   | NW   | 2     | 60.   | 47.8  | b. Y.            | K. CK. KS.                 |
| 7    | 50.8  | 56.   | 29.539 | 50.2   | W    | 1     | 59.5  | 44.5  | 0. Y.            | K. KS.                     |
| 8    | 51.6  | 57.2  | 29.814 | 51.1   | NWbN | 1½    | 62.6  | 48.6  | b. Y.            | C                          |
| 9    | 51.8  | 56.   | 29.868 | 51.    | NWbN | 2     | 58.5  | 48.7  | 0. m.            | Rain N. K.                 |
| 10   | 56.3  | 58.7  | 29.978 | 52.6   | N    | 1     | 65.9  | 50.7  | b. V.            | KS. K. CK. S.              |
| 11   | 63.2  | 61.1  | 29.940 | 64.1   | SWbS | 2+    | 71.2  | 54.   | b. Y.            | K. KS.                     |
| 12   | 60.   | 61.   | 29.687 | 61.8   | SbW  | 4     | 64.6  | 57.2  | 0. m. v.         | K.                         |
| 13   | 61.5  | 61.2  | 29.412 | 61.8   | SSW  | 6     | 63.   | 54.   | 0. Y. q. r.      | KS. N                      |
| 14   | 55.4  | 60.9  | 29.783 | 55.5   | NbE  | 2     | 63.4  | 55.1  | b. VV.           | K. KS.                     |
| 15   | 57.4  | 60.3  | 29.643 | 57.3   | NbE  | 2     | 62.5  | 51.6  | 0. m.            | K. KS.                     |
| 16   | 58.6  | 63.4  | 29.797 | 58.6   | SbS  | 3     | 70.3  | 57.1  | b. Y.            | K. CK.                     |
| 17   | 57.3  | 63.5  | 29.791 | 57.4   | SE   | 4     | 70.4  | 52.7  | b. V.            | CS. CK. S                  |
| 18   | 56.4  | 61.4  | 29.851 | 56.4   | SbE  | 4     | 66.   | 56.1  | b. VV.           | K. S. (Thunder at 6 Pm)    |
| 19   | 55.2  | 62.4  | 29.733 | 55.2   | SbE  | 6     | 66.8  | 51.7  | b. Y.            | K. KS. Bar: heaving.       |
| 20   | 53.7  | 60.1  | 29.561 | 53.4   | SW   | 2     | 61.8  | 54.4  | b. Y.            | light Rain N. K. KS.       |
| 21   | 54.7  | 60.1  | 29.635 | 54.6   | SW   | 2½    | 65.5  | 48.5  | b. V.            | K. CK. KS.                 |
| 22   | 56.   | 60.3  | 29.689 | 56.1   | WSW  | 2     | 64.6  | 52.4  | b. Y.            | K. CK. KS.                 |
| 23   | 55.2  | 57.4  | 29.663 | 55.2   | WbS  | 2     | 66.1  | 53.5  | b. Y.            | K. CK.                     |
| 24   | 53.6  | 60.5  | 29.148 | 53.2   | NEbN | 3     | 66.   | 49.8  | 0. r. N          |                            |
| 25   | 53.1  | 59.4  | 29.583 | 52.6   | W    | 2     | 63.5  | 50.9  | b. VV.           | KS.                        |
| 26   | 56.6  | 60.1  | 29.737 | 56.6   | SW   | 0     | 64.5  | 49.7  | b. Y.            | K. KS.                     |
| 27   | 53.   | 60.1  | 29.761 | 53.7   | N    | 2     | 63.1  | 52.4  | b. Y.            | K. CK. CS. CK. S.          |
| 28   | 54.2  | 60.5  | 29.918 | 54.7   | N    | 1     | 64.6  | 48.1  | b. Y.            | K. CK.                     |
| 29   | 56.2  | 61.5  | 29.983 | 56.2   | NW   | 2     | 67.8  | 48.5  | b. Y.            | K. KS. CK.                 |
| 30   | 56.2  | 61.6  | 30.007 | 56.2   | NW   | 1     | 66.9  | 47.9  | b. Y.            | K. KS.                     |
| 31   | 54.3  | 62.1  | 30.123 | 54.2   | W    | 1     | 69.   | 53.1  | b. Y.            | CS (at 9.20 <sup>m</sup> ) |
| mean | 55.05 | 59.80 | 29.766 | 54.9   |      |       | 64.48 | 51.22 |                  |                            |
|      |       |       |        | 52.80  |      |       |       |       |                  |                            |

| 1858 | 9 AM  |       |        | Aug 2  | Wind |       | Rain   |       | mean dew-point =<br>mean humidity = |                       |
|------|-------|-------|--------|--------|------|-------|--------|-------|-------------------------------------|-----------------------|
| Aug  | E     | A     | Bar:   |        | Dir. | Force | Square | Round |                                     |                       |
| 1    | 61.9  | 58.1  | 30.048 | 61.63  | SE   | 4     | —      | —     | b <sub>2</sub> Y.                   | S. CS. C.             |
| 2    | 58.5  | 60.6  | 29.715 | 58.53  | SE   | 5     | 0.0423 | 0.062 | o. Y.                               | KS. S.                |
| 3    | 61.3  | 59.8  | 29.493 | 61.63  | Sb E | 4     | 0.0583 | —     | b <sub>2</sub> V.                   | K. CK. <u>h in S.</u> |
| 4    | 59.1  | 58.2  | 29.660 | 59.13  | SWbS | 4     | 0.2403 | 0.380 | o. Y.                               | CK. KS.               |
| 5    | 58.7  | 57.7  | 29.740 | 58.43  | SW   | 3     | 0.3283 | —     | b <sub>2</sub> Y.                   | CK. K.                |
| 6    | 59.3  | 57.6  | 30.020 | 58.93  | W    | 2     | 0.4533 | 0.406 | b <sub>2</sub> V.                   | K. KS. CK. S.         |
| 7    | 60.9  | 57.1  | 30.202 | 57.43  | SbW  | 4 1/2 | 0.5313 | —     | b <sub>2</sub> V.                   | K.                    |
| 8    | 60.9  | 57.9  | 30.204 | 57.63  | SSW  | 2 1/2 | 0.0203 | —     | b <sub>2</sub> V.                   | CK. C                 |
| 9    | 63.   | 58.2  | 30.135 | 57.63  | EbS  | 1     | 0.0233 | —     | b <sub>10</sub> Y. h.               | —                     |
| 10   | 63.8  | 60.4  | 29.965 | 62.13  | SSW  | 0     | 0.2283 | —     | b <sub>7</sub> h.                   | CK. CS. C.            |
| 11   | 64.4  | 61.4  | 29.923 | 62.43  | NE   | 1     | 0.3513 | —     | b <sub>7</sub> h.                   | CK. CS. C. S.         |
| 12   | 65.2  | 64.1  | 29.853 | 62.73  | ES E | 1     | —      | —     | b <sub>3</sub> h.                   | KS. K                 |
| 13   | 61.1  | 62.7  | 29.827 | 62.63  | WSW  | 1     | 0.6833 | 0.605 | b <sub>1</sub> V.                   | K. CK                 |
| 14   | 60.6  | 59.1  | 29.839 | 61.13  | WSW  | 1     | 0.6833 | —     | b <sub>1</sub> V.                   | K. CK.                |
| 15   | 59.1  | 58.5  | 29.767 | 60.33  | SSW  | 2     | —      | 0.001 | b <sub>4</sub> V.                   | K. CK.                |
| 16   | 58.1  | 58.2  | 29.701 | 59.13  | SbW  | 3     | 0.3333 | 0.293 | b <sub>5</sub> V.                   | S. CS. C. K.          |
| 17   | 61.9  | 61.1  | 29.424 | 58.73  | EbS  | 5     | 0.3503 | —     | b <sub>1</sub> V.                   | K.                    |
| 18   | 59.4  | 58.1  | 29.520 | 54.43  | SbW  | 2     | 0.0653 | 0.085 | b <sub>1</sub> V. q.                | K. CK.                |
| 19   | 61.1  | 59.4  | 29.552 | 59.83  | WNW  | 1     | 0.0553 | 0.054 | b <sub>6</sub> V.                   | C. CS. CK. S.         |
| 20   | 58.6  | 58.6  | 29.769 | 59.23  | WbN  | 3     | 0.3163 | 0.342 | b <sub>6</sub> h.                   | K. CK                 |
| 21   | 58.6  | 57.9  | 29.907 | 55.53  | NNW  | 3     | 0.3463 | —     | b <sub>4</sub> V.                   | K.                    |
| 22   | 60.4  | 57.8  | 29.946 | 59.23  | NbE  | 3     | 0.0333 | 0.032 | b <sub>1</sub> V.                   | CK. S. CS. C.         |
| 23   | 58.7  | 57.7  | 29.989 | 58.83  | NbE  | 1     | 0.0163 | —     | b <sub>1</sub> h.                   | K. CK. C.             |
| 24   | 59.8  | 59.1  | 30.037 | 57.13  | W    | 1     | —      | —     | b <sub>2</sub> h.                   | K.                    |
| 25   | 58.4  | 57.8  | 30.088 | 57.53  | NWbN | 4     | —      | —     | o. h.                               | K.                    |
| 26   | 56.   | 56.7  | 30.041 | 52.33  | WNW  | 1     | —      | —     | b <sub>4</sub> V.                   | K. CK.                |
| 27   | 55.2  | 57.   | 29.893 | 51.33  | N. W | 2     | —      | —     | o. V.                               | KS. S. CK             |
| 28   | 55.8  | 56.5  | 29.745 | 53.23  | NbE  | 2     | —      | 0.008 | o VV                                | —                     |
| 29   | 57.5  | 57.   | 29.474 | 51.43  | NW   | 3     | 0.0023 | 0.007 | o. V                                | K. CK                 |
| 30   | 55.8  | 56.   | 29.353 | 52.83  | WSW  | 3     | 0.1083 | 0.145 | b <sub>1</sub> V                    | K. CS.                |
| 31   | 55.   | 56    | 29.460 | 55.13  | W    | 2     | 0.1283 | 0.080 | b <sub>3</sub> V                    | K. CS                 |
| mean | 59.62 | 58.59 | 29.816 | 59.623 |      |       | 0.0553 | 0.283 | b <sub>2</sub> V                    | CK                    |
|      |       |       |        | 55.933 |      |       | 0.2723 | —     |                                     |                       |
|      |       |       |        |        |      |       | 0.5023 | —     |                                     |                       |
|      |       |       |        |        |      |       | 2.9833 | 3.139 |                                     |                       |
|      |       |       |        |        |      |       | 3.3243 | —     |                                     |                       |

| 1858   | 9 P.M. |       |        | Winds  | Wind | Max.  | Min.  | mean dew-point = |                                                                                                                                 |
|--------|--------|-------|--------|--------|------|-------|-------|------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Height | E      | A     | Bar:   | Winds  | Dir. | Force | T     | T                | mean humidity =                                                                                                                 |
| 1      | 60.1   | 62.8  | 29.895 | 56.6   | SEBS | 2 1/2 | 68.4  | 49.5             | b. Y. K. CK. KS.                                                                                                                |
| 2      | 57.4   | 59.4  | 29.537 | 56.1   | SbE  | 5     | 61.8  | 57.2             | b. Y. K. CK. CS.                                                                                                                |
| 3      | 56.2   | 61.6  | 29.652 | 56.4   | WSW  | 2     | 67.   | 56.9             | b. Y. KS. CK. Thunder at 2 <sup>h</sup> 45 <sup>m</sup> P.M.                                                                    |
| 4      | 56.2   | 61.   | 29.637 | 53.9   | WNW  | 1     | 65.6  | 52.4             | b. Y. very heavy showers during the day                                                                                         |
| 5      | 52.7   | 59.   | 29.778 | 55.1   | SWbW | 2     | 62.9  | 51.6             | b. Y. K. KS.                                                                                                                    |
| 6      | 54.5   | 60.4  | 30.187 | 54.7   | W    | 1     | 63.7  | 51.3             | b. Y. CK. KS. very heavy showers during the day, with Thunder & lightning                                                       |
| 7      | 58.8   | 62.1  | 30.157 | 54.9   | SbE  | 4     | 68.9  | 56.8             | b. Y. S.                                                                                                                        |
| 8      | 58.7   | 63.   | 30.222 | 55.8   | SE   | 1     | 69.6  | 52.4             | b. Y. CS. C                                                                                                                     |
| 9      | 59.9   | 64.1  | 30.023 | 53.8   | SS E | 0     | 72.6  | 51.6             | b. Y. S. CS. CK. C.                                                                                                             |
| 10     | 59.3   | 64.6  | 29.945 | 53.7   | SS E | 0     | 73.1  | 53.2             | b. Y. CS. in NE                                                                                                                 |
| 11     | 64.1   | 66.1  | 29.886 | 52.3   | SS E | 0     | 73.1  | 54.8             | b. Y. KS. S. (at 9 <sup>h</sup> 20 <sup>m</sup> )                                                                               |
| 12     | 60.    | 66.7  | 29.819 | 52.2   | SS E | 0     | 75.   | 59.5             | b. Y. KS. CK. (at 3 P.M. at 9 <sup>h</sup> 30 <sup>m</sup> P.M. a heavy thunder storm commenced, lasting till 10 <sup>h</sup> ) |
| 13     | 56.5   | 63.6  | 29.832 | 52.7   | WSW  | 1     | 66.3  | 55.5             | b. Y. KS. K. CK. C.                                                                                                             |
| 14     | 56.3   | 63.3  | 29.804 | 52.4   | WbS  | 1     | 67.6  | 50.2             | b. Y. K. CK. (at 9 <sup>h</sup> 15 <sup>m</sup> )                                                                               |
| 15     | 57.2   | 62.1  | 29.604 | 52.1   | S    | 4     | 66.3  | 49.4             | b. Y. Y. K. Bar. heaving.                                                                                                       |
| 16     | 58.6   | 62.   | 29.570 | 52.2   | SE   | 4     | 65.1  | 51.9             | b. Y. K. KS. S.                                                                                                                 |
| 17     | 57.2   | 61.1  | 29.420 | 52.4   | SbE  | 3     | 65.4  | 56.5             | b. Y. K. (at 9 <sup>h</sup> 15 <sup>m</sup> )                                                                                   |
| 18     | 57.4   | 63.   | 29.549 | 52.4   | EbE  | 1     | 67.8  | 51.5             | b. Y. K. CK. C.                                                                                                                 |
| 19     | 57.9   | 63.9  | 29.647 | 52.2   | W    | 1     | 70.5  | 53.1             | b. Y. K.                                                                                                                        |
| 20     | 53.6   | 61.   | 29.897 | 52.1   | WNW  | 2     | 64.   | 50.6             | b. Y. K. CK.                                                                                                                    |
| 21     | 52.4   | 60.4  | 29.961 | 51.5   | SWbN | 1     | 64.4  | 52.8             | b. Y. K.                                                                                                                        |
| 22     | 54.7   | 62.1  | 29.978 | 50.3   | SWbN | 0     | 67.6  | 50.              | b. Y. S                                                                                                                         |
| 23     | 59.7   | 61.9  | 30.037 | 52.1   | NNE  | 1 1/2 | 67.6  | 50.1             | b. Y. K. CK.                                                                                                                    |
| 24     | 59.3   | 60.9  | 30.074 | 52.8   | SWbN | 1 1/2 | 64.2  | 54.1             | b. Y. K. CK. KS.                                                                                                                |
| 25     | 51.8   | 58.6  | 30.123 | 52.4   | SWbN | 2 1/2 | 61.8  | 52.1             | b. Y. KS. in SE                                                                                                                 |
| 26     | 56.    | 58.   | 29.950 | 51.3   | N.W. | 3     | 62.5  | 50.              | b. Y. K.                                                                                                                        |
| 27     | 54.2   | 58    | 29.829 | 49.5   | N.W. | 1 1/2 | 62.5  | 51.              | b. Y. K.                                                                                                                        |
| 28     | 54.    | 58    | 29.630 | 54.5   | SWbW | 1     | 61.5  | 50.              | b. Y. K.                                                                                                                        |
| 29     | 55.5   | 58.5  | 29.350 | 53.4   | SWbW | 3     | 63.   | 52.              | b. Y. rain                                                                                                                      |
| 30     | 52.    | 57.   | 29.432 | 53.7   | SWbW | 3 1/2 | 59.   | 50.              | b. Y. rain                                                                                                                      |
| 31     | 54     | 56.5  | 29.321 | 51.7   | SWbW | 5     | 59    | 51.              | b. Y. rain                                                                                                                      |
| mean   | 56.60  | 61.31 | 29.798 | 56.39  |      |       | 66.06 | 52.55            |                                                                                                                                 |
|        |        |       |        | 54.503 |      |       |       |                  |                                                                                                                                 |

| 1858  | 9 Am  |       |        | H <sub>49</sub> | Wind  |           | Rain               |        | mean dew-point = |                         |
|-------|-------|-------|--------|-----------------|-------|-----------|--------------------|--------|------------------|-------------------------|
| Sept. | E     | A     | Bar    |                 | Force | Direction | Square             | Globe  | mean humidity =  |                         |
|       |       |       |        |                 | Force | Direction |                    |        |                  |                         |
| 7     | 1     | 55.6  | 55.0   | 29.368          | 56.3  | 4         | SWbW               | 0.1622 | 0.273            | b. v. H. cl             |
|       | 2     | 57.   | 55.7   | 29.412          | 58.5  | 6         | SW $\frac{1}{2}$ W | 0.2205 | 0.033            | o. v. cl                |
|       | 3     | 55.5  | 55.    | 29.505          | 57.4  | 4         | SWbS               | 0.0307 | 0.0363           | b. v. Small H           |
|       | 4     | 58.   | 56.5   | 29.465          | 57.5  | 2         | S.Wb.W             | 0.3067 | 0.3765           | b. - cl                 |
| 8     | 5     | 55.2  | 53.    | 29.530          | 52.2  | 2 3/4     | SWbS               | 0.0323 | 0.048            | b. v. H. cl             |
|       | 6     | 53.   | 53.    | 29.385          | 51.7  | 5 1/2     | S                  | 0.0405 | 0.1112           | o. m. n                 |
|       | 7     | 57.   | 55.    | 29.537          | 51.9  | 4         | SWbW               | 0.1465 | 0.0387           | b. m. cl                |
|       | 8     | 54.6  | 55.    | 29.785          | 52.8  | 1 3/4     | WbS                | 0.0387 | 0.064            | b. v. H                 |
|       | 9     | 59.3  | 58.    | 29.540          | 54.6  | 5 1/2     | SWbS               | 0.0657 | 0.071            | o. m. r                 |
|       | 10    | 56.8  | 56     | 29.393          | 54.4  | 4         | SE                 | 0.015  | 0.030            | o. m. r                 |
|       | 11    | 57.4  | 54.    | 29.724          | 52.5  | 3         | S.W                | 0.018  | 0.0542           | o. m. r                 |
| 9     | 12    | 64    | 61.    | 29.843          | 53.3  | 6         | SE                 | 0.0663 | 0.077            | b. v. cl                |
|       | 13    | 57.5  | 59.    | 29.985          | 64.2  | 1 1/2     | WNW                | 0.0073 | 0.020            | b. v. cl                |
|       | 14    | 55.8  | 58.    | 30.104          | 57.3  | 2         | N.N.W              | ---    | ---              | o. m                    |
|       | 15    | 56.5  | 57.    | 30.009          | 56.5  | 0         | NEbE               | ---    | ---              | o. m                    |
|       | 16    | 61.3  | 60.    | 29.790          | 59.8  | 4 1/2     | SE                 | ---    | ---              | o. m                    |
|       | 17    | 61.2  | 62.    | 29.489          | 60.8  | 4         | S.E                | 0.3092 | 0.302            | b. m. cs                |
|       | 18    | 56.   | 57.    | 29.603          | 60.7  | 7         | S.W                | 0.0043 | 0.014            | Sheet lightning at 8.30 |
| 10    | 19    | 54.   | 55.    | 30.034          | 61.2  | 1         | WbN                | 0.0043 | 0.014            |                         |
|       | 20    | 53.   | 55.    | 30.110          | 60.3  | 2         | E                  | ---    | ---              |                         |
|       | 21    | 56.2  | 55     | 30.050          | 52.1  | 2 1/2     | NEbE               | ---    | ---              |                         |
|       | 22    | 54.5  | 56.5   | 29.610          | 54.7  | 5 1/2     | ENE                | 0.1022 | 0.125            |                         |
|       | 23    | 60.8  | 57.    | 29.280          | 53.2  | 2         | E 1/2 S            | 0.122  | 0.372            | G. S = 0.128            |
|       | 24    | 54.   | 55.5   | 29.984          | 61.5  | 2 1/2     | NW 1/2 N           | 0.3213 | 0.372            |                         |
|       | 25    | 58.8  | 56.    | 30.290          | 60.2  | 6         | WS.W               | 0.295  | 0.034            |                         |
| 11    | 26    | 61.8  | 59.    | 30.307          | 54.7  | 3         | WS.W               | 0.0203 | 0.003            |                         |
|       | 27    | 61.8  | 61.    | 29.960          | 50.1  | 6 1/2     | WS.W               | 0.0003 | 0.003            |                         |
|       | 28    | 53.7  | 56.    | 30.100          | 53.2  | 0         | W 1/2 N            | 0.0003 | 0.003            |                         |
|       | 29    | 49.8  | 54.    | 29.835          | 49.2  | 1         | W                  | ---    | ---              |                         |
|       | 30    | 50.7  | 54     | 29.500          | 47.7  | 4         | NWbW               | ---    | ---              |                         |
|       |       |       |        |                 | 50.3  |           |                    |        |                  |                         |
|       |       |       |        |                 | 44.5  |           |                    |        |                  |                         |
| mean  | 56.66 | 56.47 | 29.750 | 56.717          |       |           | 1.5937             | 2.061  |                  |                         |
|       |       |       |        | 54.150          |       |           | 1.8335             |        |                  |                         |

distant heavy thunder at 8.40  
Sheet lightning at 8.30

$$S. S = 0.128$$

| 1858 | 9 P.M           |                 |        | Weg <sup>2</sup>  | Wind  |           | Thermom <sup>2</sup> |                 | mean dew-point =                |
|------|-----------------|-----------------|--------|-------------------|-------|-----------|----------------------|-----------------|---------------------------------|
| Sept | H               | A               | Bar    |                   | Force | Direction | Max                  | Min             | mean humidity =                 |
|      |                 |                 |        |                   | Force | Direction |                      |                 |                                 |
| 1    | 54 <sup>0</sup> | 57 <sup>0</sup> | 29.437 | 54.6 <sup>3</sup> | 4     | S.W b W   | 61 <sup>0</sup>      | 48 <sup>0</sup> | o. v. ch                        |
| 2    | 60.3            | 59 <sup>1</sup> | 29.233 | 60.3 <sup>3</sup> | 3     | S.W b S   | 62 <sup>1</sup>      | 52              | o. rain                         |
| 3    | 54 <sup>1</sup> | 58 <sup>1</sup> | 29.550 | 54.7 <sup>2</sup> | 2     | S.W b W   | 63.3                 | 50              | b. v. ch. cs,                   |
| 4    | 51 <sup>1</sup> | 57 <sup>1</sup> | 29.563 | 51.3 <sup>3</sup> | 3     | S.W b W   | 64 <sup>1</sup>      | 51 <sup>1</sup> | b. v. Saw Donati's Comet. Setis |
| 5    | 48.4            | 55              | 29.564 | 48.4 <sup>3</sup> | 2     | S.W b W   | 59 <sup>1</sup>      | 46              | observed it No.                 |
| 6    | 54 <sup>1</sup> | 57 <sup>1</sup> | 29.430 | 54.3 <sup>3</sup> | 2 1/2 | S.W b W   | 62 <sup>1</sup>      | 46.5            | b. v. H                         |
| 7    | 57              | 57 <sup>1</sup> | 29.500 | 57.3 <sup>3</sup> | 1 1/2 | S.W b W   | 61 <sup>1</sup>      | 52 <sup>1</sup> | b. v. H                         |
| 8    | 55.3            | 56.3            | 29.700 | 55.3 <sup>3</sup> | 5     | S.W       | 61 <sup>1</sup>      | 49 <sup>1</sup> | o. m. r                         |
| 9    | 56              | 57 <sup>1</sup> | 29.580 | 56.3 <sup>3</sup> | 3 1/2 | S.W b W   | 64 <sup>1</sup>      | 54 <sup>1</sup> | o. m. r                         |
| 10   | 52.5            | 57 <sup>1</sup> | 29.545 | 52.5 <sup>3</sup> | 2     | S.W       | 59 <sup>1</sup>      | 51 <sup>1</sup> | o. m.                           |
| 11   | 61.5            | 61 <sup>1</sup> | 29.740 | 61.5 <sup>3</sup> | 5     | S.W b W   | 69 <sup>1</sup>      | 48 <sup>1</sup> | b. v.                           |
| 12   | 59.5            | 62 <sup>1</sup> | 29.908 | 59.5 <sup>3</sup> | 3     | S         | 68 <sup>1</sup>      | 59 <sup>1</sup> | 10 H                            |
| 13   | 55 <sup>1</sup> | 58 <sup>1</sup> | 30.064 | 55.5 <sup>3</sup> | 2     | N.N.E.    | 62 <sup>1</sup>      | 53 <sup>1</sup> | 3/10 v                          |
| 14   | 56 <sup>1</sup> | 60 <sup>1</sup> | 30.047 | 56.5 <sup>3</sup> | 0     | N.E. b E  | 63 <sup>1</sup>      | 53.5            | o. m                            |
| 15   | 61 <sup>1</sup> | 63 <sup>1</sup> | 29.913 | 61.2 <sup>3</sup> | 2     | S         | 70 <sup>1</sup>      | 50 <sup>1</sup> | b. m. ch. cs                    |
| 16   | 63 <sup>1</sup> | 63 <sup>1</sup> | 29.677 | 63.6 <sup>3</sup> | 3     | S b E     | 69.5                 | 57 <sup>1</sup> | 5/8 m. cs round horizon         |
| 17   | 61.3            | 63 <sup>1</sup> | 29.248 | 62.3 <sup>3</sup> | 5     | E b S     | 66.5                 | 60 <sup>1</sup> | o. m. r.                        |
| 18   | 53.8            | 59 <sup>1</sup> | 29.915 | 53.6 <sup>3</sup> | 2     | S b W.    | 64 <sup>1</sup>      | 52 <sup>1</sup> | b. v. ch.                       |
| 19   | 52 <sup>1</sup> | 60 <sup>1</sup> | 30.085 | 52.5 <sup>3</sup> | 1 1/2 | E         | 63.5                 | 45 <sup>1</sup> | 2/10 v.                         |
| 20   | 52 <sup>1</sup> | 59 <sup>1</sup> | 30.130 | 52.5 <sup>3</sup> | 3     | N.E. b E  | 61.5                 | 44.5            | 10 v.                           |
| 21   | 51.3            | 58 <sup>1</sup> | 29.900 | 51.3 <sup>3</sup> | 1 1/2 | E         | 62 <sup>1</sup>      | 45 <sup>1</sup> | b. v.                           |
| 22   | 54 <sup>1</sup> | 57 <sup>1</sup> | 29.437 | 54.3 <sup>3</sup> | 1 1/2 | E b N     | 59 <sup>1</sup>      | 49 <sup>1</sup> | b. m. c.s. in north             |
| 23   | 54 <sup>1</sup> | 58 <sup>1</sup> | 29.524 | 54.3 <sup>3</sup> | 2     | N.W b N   | 65 <sup>1</sup>      | 54 <sup>1</sup> | 7/10 m. cs. ch.                 |
| 24   | 54 <sup>1</sup> | 57 <sup>1</sup> | 30.210 | 54.3 <sup>3</sup> | 3     | S.W b S   | 59.5                 | 47.5            | b. v. cs. H.S.                  |
| 25   | 59              | 60              | 30.323 | 59.2 <sup>3</sup> | 4 1/2 | W.S.W     | 65 <sup>1</sup>      | 52 <sup>1</sup> | 1/2 m. H.S. o. m. H.S.          |
| 26   | 66.5            | 61              | 30.177 | 66.5 <sup>3</sup> | 3     | W.S.W     | 67 <sup>1</sup>      | 58.5            | o. m. r. daylight               |
| 27   | 53 <sup>1</sup> | 58 <sup>1</sup> | 30.014 | 53.5 <sup>3</sup> | 2     | W 1/2 b N | 65 <sup>1</sup>      | 53 <sup>1</sup> | o. v. H.                        |
| 28   | 52              | 58 <sup>1</sup> | 30.040 | 52.5 <sup>3</sup> | 1 1/2 | W.S.W     | 59 <sup>1</sup>      | 49 <sup>1</sup> | o. v. H.S.                      |
| 29   | 55              | 56              | 29.483 | 55.5 <sup>3</sup> | 2     | S         | 57 <sup>1</sup>      | 44 <sup>1</sup> | o. m. H                         |
| 30   | 47.5            | 55              | 29.700 | 47.5 <sup>3</sup> | 2 1/2 | W.S.W     | 55.5                 | 47 <sup>1</sup> | b. m. H. ch.                    |
|      |                 |                 |        |                   |       |           |                      |                 | 6/10 v. H.S.                    |
| mean | 55.50           | 58.54           | 29.755 | 55.23             |       |           | 62.91                | 50.68           | Do. through cloud               |
|      |                 |                 |        | 53.21             |       |           |                      |                 | Do.                             |

1858

9 Am

October

E

A

Bar

Hyg

Wind

Force

Direction

Rain

Square

Globe

mean dew point =  
mean humidity =

|    |    |      |      |        |                |       |       |                  |       |                                                   |
|----|----|------|------|--------|----------------|-------|-------|------------------|-------|---------------------------------------------------|
| 7  | 1  | 54.  | 53.  | 29.624 | 54.33<br>50.33 | 7     | WSW   | 0.0233<br>0.0173 | 0.033 | 6. V. H. CK                                       |
|    | 2  | 53.6 | 54.1 | 29.702 | 53.33<br>51.33 | 3     | SW    | 0.2243<br>0.2713 | 0.254 | 0. Y. H. KS.                                      |
| 0  | 3  | 60.  | 57.4 | 29.497 | 60.43<br>57.33 | 7     | SW    | 0.0223<br>0.0223 | 0.083 | 0. Y. 9. K                                        |
|    | 4  | 49.6 | 52.9 | 29.591 | 49.33<br>45.93 | 5     | SW    | 0.0143<br>0.0363 | 0.080 | 6. VV. 9. S. CS                                   |
|    | 5  | 49.8 | 52.1 | 29.504 | 49.23<br>47.13 | 3     | SWbW  | 0.0293<br>0.0313 | 0.046 | 0. Y. KS. S. CK.                                  |
|    | 6  | 46.1 | 49.  | 29.750 | 45.63<br>43.53 | 3     | SWbW  | 0.0103<br>0.0103 | 0.015 | 0. Y. K. CK. KS.                                  |
|    | 7  | 47.4 | 52.8 | 28.855 | 47.33<br>45.43 | 5     | NW    | 0.4813<br>0.5483 | 0.715 | 0. VV. K.                                         |
|    | 8  | 44.7 | 47.  | 29.475 | 44.13<br>41.13 | 2     | W     | 0.0123<br>0.0243 | 0.015 | 6. 0. Y.                                          |
|    | 9  | 44.9 | 46.6 | 29.537 | 44.43<br>43.23 | 4     | SWbW  | 0.1103<br>0.1363 | 0.116 | 0. Y. KS. S                                       |
| 0  | 10 | 47.  | 49.2 | 29.159 | 46.23<br>45.33 | 2     | NWbW  | 0.0323<br>0.0503 | 0.036 | 6. Y. KS. CK. CS. C.                              |
|    | 11 | 43.1 | 45.8 | 29.471 | 42.13<br>40.13 | 2     | NW    | 0.0353<br>0.0233 | 0.075 | 6. VV. CK. S. KS.                                 |
|    | 12 | 45.2 | 46.1 | 29.642 | 44.93<br>43.13 | 3 1/2 | SW    | 0.0233<br>0.0333 | 0.027 | 0. V. KS.                                         |
|    | 13 | 49.6 | 49.1 | 29.780 | 49.73<br>48.53 | 3     | WbS   | 0.2233<br>0.2763 | 0.245 | 6. m. S.                                          |
|    | 14 | 59.5 | 53.5 | 29.721 | 59.33<br>56.33 | 9     | SWbS  | —                | —     | 0. Y. K. KS. S                                    |
|    | 15 | 47.9 | 51.8 | 29.773 | 47.43<br>47.43 | 2     | NbE   | 0.1703<br>0.1713 | 0.212 | 0. m. rain. n.                                    |
|    | 16 | 49.9 | 51.8 | 29.610 | 49.43<br>48.33 | 0     | E. NE | 0.1953<br>0.1953 | 0.191 | 0. m. KS. K.                                      |
| 0  | 17 | 44.1 | 48.6 | 29.685 | 43.53<br>43.13 | 2     | NW    | 0.0813<br>0.0883 | 0.013 | fog.                                              |
|    | 18 | 41.9 | 47.4 | 29.837 | 41.23<br>38.23 | 4     | N. NE | drops            | —     | 6. VV. K. CS. C                                   |
|    | 19 | 42.3 | 45.9 | 29.851 | 42.63<br>39.43 | 6     | NE    | 0.0943<br>0.0763 | 0.082 | 0. m. KS.                                         |
|    | 20 | 45.7 | 46.4 | 29.685 | 45.43<br>43.83 | 3     | N. NE | —                | —     | 0. Y. m. KS. S.                                   |
|    | 21 | 43.3 | 45.2 | 29.780 | 42.93<br>41.73 | 0     | N. NW | —                | —     | 6. Y. K. KS. CK                                   |
|    | 22 | 40.9 | 45.6 | 29.923 | 40.13<br>39.73 | 0     | NbE   | —                | —     | 6. m. m.                                          |
|    | 23 | 46.9 | 48.2 | 29.957 | 46.83<br>46.13 | 2     | NE    | —                | —     | 0. m. K.                                          |
| 0  | 24 | 42.2 | 46.8 | 29.995 | 41.63<br>41.63 | 1     | N. NE | 0.0013<br>0.0023 | 0.017 | fog.                                              |
|    | 25 | 41.5 | 45.1 | 29.110 | 41.13<br>40.73 | 1 1/2 | NE    | 0.0023<br>0.0023 | 0.008 | 0. m. K. CK.                                      |
|    | 26 | 47.4 | 46.2 | 30.084 | 47.23<br>45.23 | 2 1/2 | S     | 0.0223<br>0.0043 | 0.017 | 0. Y. KS. S                                       |
|    | 27 | 51.5 | 49.8 | 30.007 | 51.23<br>50.83 | 2 1/2 | SWbS  | 0.0123<br>0.0473 | 0.068 | 0. Y. m. KS. K.                                   |
| 30 | 28 | 45.9 | 48.9 | 29.987 | 45.43<br>45.13 | 2     | NbE   | 0.3873<br>0.3303 | 0.412 | 0. Y. KS. S. (at 9 <sup>h</sup> 10 <sup>m</sup> ) |
|    | 29 | 37.1 | 43.4 | 30.335 | 36.23<br>34.23 | 1     | NbE   | —                | —     | 6. Y. m. K. CK. C.                                |
|    | 30 | 38.9 | 42.9 | 30.391 | 37.73<br>36.13 | 2     | SbE   | —                | —     | 6. m. CK. CS. C. S.                               |
| 0  | 31 | 44.3 | 44.8 | 30.365 | 43.93<br>42.53 | 2     | SWbS  | —                | —     | 0. Y. m. CK. KS.                                  |

mean 46.65 48.60 29.732 46.301 2.1427 2.760  
44.73 2.4205

| 1858    | 9 P.m |       |        | Wind           | Therm.    | mean dew point =<br>mean humidity = |       |       |                                                              |
|---------|-------|-------|--------|----------------|-----------|-------------------------------------|-------|-------|--------------------------------------------------------------|
| October | E     | A     | Bar    | Force          | Direction | Max                                 | Min   |       |                                                              |
| 1       | 51.1  | 54.9  | 29.665 | 50.92<br>48.33 | 2         | WbN                                 | 57.8  | 45.4  | 0.9. K.KS.                                                   |
| 2       | 58.2  | 56.2  | 29.487 | 58.43<br>56.23 | 8         | SW                                  | 59.2  | 50.6  | 0.9. 9. K.KS. (at 9 <sup>h</sup> 15 <sup>m</sup> )           |
| 3       | 53.8  | 57.3  | 29.528 | 53.53<br>51.63 | 3         | WSW                                 | 62.6  | 53.4  | 6 <sub>9</sub> . V. KS. (Bar: heaving)                       |
| 4       | 48.2  | 53.1  | 29.422 | 47.73<br>45.23 | 8         | STW                                 | 55.   | 45.8  | 6 <sub>9</sub> . V. KS.S.                                    |
| 5       | 44.   | 52.   | 29.717 | 43.23<br>40.33 | 3         | WbS                                 | 52.8  | 43.9  | 6 <sub>10</sub> . VV.                                        |
| 6       | 48.1  | 49.8  | 29.319 | 47.63<br>46.93 | 6         | SW                                  | 51.7  | 40.9  | 0.8. n. heavy rain                                           |
| 7       | 41.8  | 50.2  | 29.164 | 41.23<br>39.73 | 4         | WbS                                 | 53.4  | 41.6  | 6 <sub>8</sub> . VV. KS.                                     |
| 8       | 43.4  | 49.1  | 29.563 | 42.23<br>41.53 | 3         | WSW                                 | 49.4  | 38.9  | 6 <sub>2</sub> . V. KS. n.                                   |
| 9       | 49.   | 49.9  | 29.323 | 48.53<br>47.43 | 3         | WSW                                 | 53.9  | 40.4  | 6 <sub>1</sub> . V. K.KS.S at 9 <sup>h</sup> 15 <sup>m</sup> |
| 10      | 42.4  | 49.3  | 29.312 | 41.43<br>41.33 | 2         | NW                                  | 51.7  | 42.1  | 0. rain n.                                                   |
| 11      | 41.3  | 48.2  | 29.607 | 40.33<br>39.53 | 2 1/2     | NW                                  | 50.7  | 37.3  | 6 <sub>10</sub> . V.                                         |
| 12      | 53.1  | 49.8  | 29.497 | 52.83<br>52.53 | 5         | SWbS                                | 53.7  | 40.   | 0.8. rain n.                                                 |
| 13      | 51.3  | 51.6  | 29.867 | 51.33<br>49.13 | 2         | SWbW                                | 56.8  | 45.9  | 6 <sub>1</sub> . V. KS.                                      |
| 14      | 52.6  | 53.4  | 29.842 | 52.73<br>51.73 | 2         | SWbW                                | 61.1  | 50.6  | 0.8. KS.K.                                                   |
| 15      | 49.5  | 51.8  | 29.675 | 49.43<br>49.13 | 2         | E.N.E                               | 53.7  | 46.9  | 0. m. light rain n.                                          |
| 16      | 45.2  | 51.5  | 29.617 | 44.93<br>44.93 | 1 1/2     | NW                                  | 54.8  | 45.3  | 6 <sub>10</sub> . V. (at 9 <sup>h</sup> 20 <sup>m</sup> )    |
| 17      | 46.3  | 50.9  | 29.787 | 46.13<br>45.13 | 3         | N.E.b.E                             | 53.1  | 41.3  | 0. V. KS.S                                                   |
| 18      | 42.4  | 46.4  | 29.871 | 42.73<br>37.83 | 7         | N.E                                 | 46.8  | 37.6  | 6. V. K.CK. (at 9 <sup>h</sup> 10 <sup>m</sup> )             |
| 19      | 45.   | 47.3  | 29.765 | 44.63<br>41.33 | 3 1/2     | N.E                                 | 47.3  | 38.5  | 6 <sub>10</sub> . VV.                                        |
| 20      | 45.   | 47.8  | 29.705 | 44.43<br>43.33 | 1 1/2     | N                                   | 51.6  | 41.7  | 6 <sub>4</sub> . V. K.CK. CS.                                |
| 21      | 41.1  | 48.6  | 29.848 | 40.33<br>39.73 | 1         | N.E                                 | 50.5  | 39.   | 6 m                                                          |
| 22      | 47.7  | 49.1  | 29.965 | 47.43<br>46.43 | 1         | E.N.E                               | 53.1  | 39.1  | 0. m. KS.                                                    |
| 23      | 41.9  | 48.6  | 29.951 | 41.33<br>41.33 | 2         | N.N.E                               | 53.1  | 42.   | fog.                                                         |
| 24      | 40.4  | 47.4  | 30.065 | 40.13<br>40.13 | 0         | N.E.b.E                             | 46.7  | 39.8  | fog.                                                         |
| 25      | 39.9  | 47.1  | 30.111 | 39.03<br>38.93 | 1         | N.E.b.N                             | 48.2  | 36.9  | fog. (D visible & a few stars.)                              |
| 26      | 51.4  | 50.1  | 30.050 | 51.13<br>49.33 | 3 1/2     | SW                                  | 55.4  | 38.3  | 6 <sub>5</sub> . V. S. CS.                                   |
| 27      | 48.7  | 50.1  | 29.953 | 48.63<br>48.23 | 2 1/2     | N.E.b.N                             | 54.4  | 48.6  | 0. rain n.                                                   |
| 28      | 40.4  | 47.6  | 30.148 | 39.43<br>38.23 | 2         | N.E                                 | 50.8  | 40.9  | 6 <sub>10</sub> . V.                                         |
| 29      | 36.9  | 43.9  | 30.388 | 34.23<br>34.23 | 2         | S.E                                 | 44.2  | 34.6  | 6 <sub>9</sub> . V. S.                                       |
| 30      | 41.9  | 45.8  | 30.373 | 41.33<br>39.73 | 3         | SWbS                                | 48.1  | 34.4  | 6 <sub>7</sub> . V. S. CK.                                   |
| 31      | 45.1  | 47.   | 30.341 | 44.73<br>44.13 | 2         | SW                                  | 50.9  | 40.1  | 6 <sub>2</sub> . V. KS.S                                     |
| mean    | 46.04 | 49.87 | 29.771 | 45.57<br>43.25 |           |                                     | 52.73 | 41.99 |                                                              |

| 1858 | 9 A.m |       |        | Hyg.  | Wind  |        | Rain   |       | mean dew-point =                                                                            |
|------|-------|-------|--------|-------|-------|--------|--------|-------|---------------------------------------------------------------------------------------------|
| Nov. | E     | A     | Bar:   |       | Force | Direct | Square | Round | mean humidity =                                                                             |
| 1    | 41.1  | 43.8  | 30.341 | 40.47 | 1     | SW     | —      | —     | 6 <sub>10</sub> . m.m.                                                                      |
| 2    | 37.1  | 43.2  | 30.295 | 39.47 | 1     | SWbS   | 0.005  | 0.006 | 6 <sub>10</sub> . m.m.                                                                      |
| 3    | 42.3  | 45.1  | 30.253 | 38.5  | 0     | WbS    | —      | drops | 0. m.m. K.S.                                                                                |
| 4    | 44.4  | 45.9  | 30.185 | 41.4  | 0     | NbW    | —      | —     | fog. (at 9 <sup>h</sup> .12 <sup>m</sup> )                                                  |
| 5    | 45.   | 46.1  | 30.137 | 44.1  | 1     | NbW    | —      | —     | 6 <sub>1</sub> . m. c. c.s. s.                                                              |
| 6    | 34.   | 41.4  | 30.380 | 44.2  | 2     | E.N.E  | —      | —     | 6 <sub>8</sub> . y. c. c.k. k. s.                                                           |
| 7    | 39.1  | 43.1  | 30.407 | 33.1  | 1     | NbW    | —      | —     | 0. y. k. k.s.                                                                               |
| 8    | 36.8  | 40.1  | 30.269 | 32.2  | 3     | SSW    | —      | —     | 0. y. s. k.s.                                                                               |
| 9    | 32.9  | 40.3  | 30.319 | 35.3  | 0     | NWbN   | —      | —     | fog.                                                                                        |
| 10   | 33.9  | 39.1  | 30.251 | 32.9  | 0     | NWbN   | 0.013  | —     | fog.                                                                                        |
| 11   | 43.4  | 41.1  | 30.070 | 33.   | 2+    | EbN    | 0.006  | 0.001 | 6 <sub>8</sub> . y. c.k. c. (at 9 <sup>h</sup> .15 <sup>m</sup> )                           |
| 12   | 45.4  | 43.1  | 29.787 | 40.5  | 3     | SEbS   | 0.014  | 0.023 | 0. y. k.s. c.s. s.                                                                          |
| 13   | 43.1  | 42.1  | 29.415 | 45.4  | 3     | EbN    | —      | —     | 6 <sub>3</sub> . y. m. k.s. k. c.s.                                                         |
| 14   | 46.2  | 43.6  | 29.342 | 40.5  | 5     | EbN    | —      | —     | 0. y. q. k.s. s. k. c.k.                                                                    |
| 15   | 42.2  | 43.1  | 29.555 | 41.7  | 6     | E      | —      | —     | 0. y. q. k. (at 9 <sup>h</sup> .15 <sup>m</sup> )                                           |
| 16   | 38.6  | 40.4  | 29.420 | 36.4  | 4     | NbE    | —      | —     | 6 <sub>8</sub> . y. k. c.k.                                                                 |
| 17   | 35.3  | 38.6  | 29.482 | 38.1  | 3     | N.E    | —      | —     | 6 <sub>8</sub> . y. k.s. s. c.s. c.                                                         |
| 18   | 34.3  | 39.6  | 29.637 | 34.4  | 0     | NbE    | —      | —     | 6 <sub>8</sub> . m. k. c.k.                                                                 |
| 19   | 34.1  | 37.1  | 29.658 | 33.4  | 4½    | S      | —      | —     | 6 <sub>1</sub> . y. k. k.s. c.k.                                                            |
| 20   | 37.1  | 38.6  | 29.780 | 32.3  | 0     | SW     | —      | —     | 0. m. k. k.s. (at 9 <sup>h</sup> .15 <sup>m</sup> )                                         |
| 21   | 39.9  | 39.3  | 29.890 | 36.7  | 2½    | EbN    | 0.021  | 0.032 | 0. m. k. k.s. k.s.                                                                          |
| 22   | 32.1  | 38.   | 30.009 | 35.1  | 0     | E.N.E  | 0.028  | —     | 6 <sub>10</sub> . m.                                                                        |
| 23   | 25.2  | 34.3  | 29.836 | 30.1  | 1½    | NbN    | —      | —     | fog. (The spire pointed E.S. but on freezing the check-wheel it immediately altered to WbN) |
| 24   | 32.8  | 35.5  | 29.502 | 24.   | 1     | EbN    | —      | —     | 0. y. m. k.s. c.s. s. (not bulb frozen)                                                     |
| 25   | 45.4  | 41.1  | 29.007 | 31.4  | 5     | ESE    | 0.120  | 0.405 | 0. m. q. rain. n.                                                                           |
| 26   | 49.9  | 45.4  | 28.727 | 45.3  | 7½    | SE     | 0.167  | 0.270 | 6 <sub>2</sub> . y. k. c.k.                                                                 |
| 27   | 50.   | 46.9  | 28.610 | 44.6  | 4½    | SE     | 0.256  | 0.063 | 0. y. q. k.                                                                                 |
| 28   | 44.6  | 46.   | 28.803 | 50.1  | 4½    | SW     | 0.022  | 0.250 | 6 <sub>2</sub> . y. c. c.k. c.s. (at 9 <sup>h</sup> .11 <sup>m</sup> )                      |
| 29   | 44.6  | 45.2  | 28.835 | 44.3  | 4     | SW     | 0.125  | 0.136 | 6 <sub>1</sub> . m. k. c.k.                                                                 |
| 30   | 41.4  | 44.1  | 29.006 | 43.7  | 3     | SW     | 0.120  | 0.042 | 6 <sub>1</sub> . y. k. c.k. (at 9 <sup>h</sup> .8 <sup>m</sup> )                            |
|      |       |       |        | 40.1  |       |        | 0.022  |       |                                                                                             |
| mean | 39.74 | 41.71 | 29.707 | 39.24 |       |        | 0.681  | 1.228 |                                                                                             |
|      |       |       |        | 39.83 |       |        | 1.168  |       |                                                                                             |

| 1858             | 9 P.m. |       |        | Hyg.   | Wind           |          | Max:  | Min.  | Mean dew-point =   |                                      |
|------------------|--------|-------|--------|--------|----------------|----------|-------|-------|--------------------|--------------------------------------|
| Nov <sup>r</sup> | E      | A     | Bar:   |        | Force          | Directn. | T     | T     | Mean humidity =    |                                      |
| 1                | 39.8   | 47.   | 30.320 | 38.5   | 1              | SSW      | 50.1  | 37.4  | 40. m              |                                      |
| 2                | 45.1   | 47.1  | 30.288 | 38.3   | $\frac{1}{2}$  | WbS      | 46.2  | 36.1  | 0. m.              | KS. K.                               |
| 3                | 44.7   | 46.4  | 30.215 | 44.9   | 0              | WNW      | 48.4  | 38.9  | 0. m.              | KS.                                  |
| 4                | 45.2   | 46.5  | 30.176 | 44.1   | 1              | N.WW     | 47.1  | 42.7  | 0. m.              | KS.                                  |
| 5                | 41.4   | 46.1  | 30.265 | 44.3   | 3              | ESE      | 50.6  | 41.2  | 6. v.              | S. KS.                               |
| 6                | 40.1   | 44.1  | 30.407 | 43.6   | 2              | N.EbE    | 45.1  | 31.3  | 0. v.              | S. KS.                               |
| 7                | 32.    | 42.2  | 30.335 | 45.1   | 2              | ESE      | 41.6  | 32.2  | 6 <sub>10</sub> v. | (at 9 <sup>h</sup> 15 <sup>m</sup> ) |
| 8                | 36.4   | 41.3  | 30.277 | 44.9   | 1              | N.WbW    | 43.   | 34.6  | fog                |                                      |
| 9                | 34.1   | 39.7  | 30.305 | 41.3   | 1              | NWbN     | 38.3  | 31.1  | 6. v. m.           | K. KS.                               |
| 10               | 42.    | 40.6  | 30.171 | 38.6   | 2              | ESE      | 42.4  | 32.9  | 0. v.              | K. KS.                               |
| 11               | 43.1   | 43.1  | 29.893 | 42.6   | 3              | ESE      | 48.6  | 39.1  | 6. v.              | KS.                                  |
| 12               | 38.8   | 43.3  | 29.619 | 40.4   | 0              | SE       | 48.4  | 38.8  | 6. v.              | S. CS.                               |
| 13               | 44.    | 43.4  | 29.259 | 37.2   | 4              | EbN      | 46.2  | 37.9  | 6. v.              | K. KS.                               |
| 14               | 45.9   | 45.1  | 29.497 | 43.6   | 7              | EbS      | 49.   | 43.6  | 6. v. g.           | K.                                   |
| 15               | 39.1   | 41.6  | 29.505 | 40.4   | 6              | E        | 46.5  | 38.5  | 6. v. g.           | S. m. N.                             |
| 16               | 35.5   | 40.6  | 29.403 | 38.4   | $2\frac{1}{2}$ | N.E      | 43.2  | 34.6  | 6. v.              | CS.                                  |
| 17               | 39.    | 41.1  | 29.581 | 33.3   | $2\frac{1}{2}$ | N.EbE    | 42.8  | 32.2  | 0. v.              | K (at 10 <sup>h</sup> )              |
| 18               | 30.7   | 38.4  | 29.687 | 32.6   | 2              | SEbE     | 41.6  | 31.   | 6 <sub>10</sub> m. |                                      |
| 19               | 35.9   | 38.6  | 29.665 | 29.8   | 3              | SWbW     | 38.6  | 28.8  | 6. v.              | K. EK (at 10 <sup>h</sup> )          |
| 20               | 34.    | 39.   | 29.877 | 33.8   | 2              | EbN      | 41.8  | 32.   | 0. m.              | K.                                   |
| 21               | 37.1   | 40.1  | 29.973 | 33.5   | 0              | EbS      | 43.7  | 33.6  | 6 <sub>10</sub> m. |                                      |
| 22               | 31.8   | 39.   | 29.969 | 32.9   | 0              | EbS      | 42.3  | 31.1  | 6 <sub>10</sub> m. |                                      |
| 23               | 31.4   | 36.5  | 29.693 | 30.7   | $1\frac{1}{2}$ | N.EbE    | 38.6  | 24.9  | 6 <sub>10</sub> v. | wet bulb frozen.                     |
| 24               | 40.9   | 38.3  | 29.215 | 30.3   | 4              | ESE      | 41.4  | 27.8  | 0. m.              | rain. n.                             |
| 25               | 50.1   | 43.1  | 28.708 | 27.8   | 6              | SEbS     | 51.3  | 40.1  | 0. m. g.           | KS. K.                               |
| 26               | 52.2   | 48.   | 28.675 | 40.4   | 8              | SbE      | 53.6  | 48.6  | 0. g. g.           | K.                                   |
| 27               | 46.1   | 46.6  | 28.643 | 52.2   | 4              | SbW      | 52.9  | 45.8  | 6. v.              | K. KS.                               |
| 28               | 44.6   | 46.4  | 28.849 | 50.3   | $4\frac{1}{2}$ | SSW      | 50.1  | 43.8  | 6. v.              | KS. S.                               |
| 29               | 43.3   | 46.1  | 28.930 | 46.4   | 3              | SW       | 48.6  | 42.6  | 0. v.              | KS.                                  |
| 30               | 42.7   | 44.2  | 29.435 | 44.1   | 5              | NW       | 47.3  | 39.6  | 6. v.              | KS.                                  |
| mean             | 40.23  | 42.78 | 29.694 | 39.692 |                |          | 45.64 | 36.33 |                    |                                      |

| 1858             | 9 Am  |       |        | 1499  | Wind  |           | Rain   |       | Mean dew-point =<br>Mean humidity = |                                                        |
|------------------|-------|-------|--------|-------|-------|-----------|--------|-------|-------------------------------------|--------------------------------------------------------|
| Dec <sup>r</sup> | E     | A     | Bar:   |       | Force | Direction | Square | Round |                                     |                                                        |
| 2 <sup>d</sup> 1 | 40.1  | 42.   | 29.475 | 39.2  | 6     | SWb S     | 0.1203 | 0.257 | o. rain                             | n (at 9 <sup>h</sup> 10 <sup>m</sup> )                 |
| 2                | 45.2  | 46.7  | 29.265 | 45.8  | 3     | W         | 0.197  | 0.240 | b <sub>1</sub> V. g.                | K. CK. C. KS.                                          |
| 3                | 49.4  | 45.9  | 29.570 | 49.4  | 9     | S         | 0.059  | 0.004 | o. V. g.                            | K. KS.                                                 |
| 4                | 44.4  | 47.1  | 29.526 | 44.3  | 6     | SWb S     | 0.002  | 0.229 | b <sub>1</sub> V.                   | KS. CS. C.                                             |
| 5                | 40.3  | 43.5  | 29.884 | 40.4  | 3     | SWb W     | 0.080  | 0.003 | b <sub>1</sub> V.                   | C. CK. CS. (at 9 <sup>h</sup> 12 <sup>m</sup> )        |
| 6                | 44.7  | 46.   | 30.020 | 44.3  | 3 1/2 | SSW       | 0.063  | —     | b <sub>1</sub> V. m.                | C. CK. CS. KS. (at 9 <sup>h</sup> 11 <sup>m</sup> )    |
| 7                | 45.6  | 44.6  | 29.881 | 45.3  | 6     | S         | 0.002  | 0.002 | b <sub>1</sub> V. g.                | CS. S. CK. Bar: heaving                                |
| 8                | 46.6  | 45.6  | 29.847 | 46.6  | 6     | SSW       | 0.150  | 0.220 | o. m.                               | K.                                                     |
| 9                | 48.1  | 47.   | 29.911 | 48.2  | 5     | SEb S     | 0.181  | 0.005 | o. m.                               | K.                                                     |
| 10               | 44.9  | 45.3  | 29.860 | 45.1  | 7     | SS E      | 0.018  | —     | o. V. g.                            | K. KS.                                                 |
| 11               | 48.4  | 46.8  | 29.801 | 48.2  | 8     | Sb E      | 0.122  | 0.242 | o. V. m. g.                         | K. KS. Bar: heaving                                    |
| 12               | 49.5  | 48.1  | 29.501 | 49.4  | 7     | SEb S     | 0.200  | 0.204 | o. m. g.                            | K. n. much rain                                        |
| 13               | 40.4  | 43.1  | 29.651 | 40.5  | 2 1/2 | SW        | 0.163  | 0.330 | b <sub>1</sub> V.                   | K. CK. KS. C.                                          |
| 14               | 32.1  | 40.8  | 29.934 | 32.4  | 0     | SWb S     | 0.181  | —     | fog.                                |                                                        |
| 15               | 42.2  | 43.7  | 29.881 | 42.8  | 9     | SEb E     | 0.271  | 0.019 | o. V. g.                            | KS. CK. CS. S.                                         |
| 16               | 43.5  | 43.4  | 29.484 | 43.7  | 8     | S         | 0.020  | 0.136 | b <sub>1</sub> V. g.                | CK.                                                    |
| 17               | 41.9  | 42.1  | 29.661 | 41.6  | 5     | SEb E     | 0.050  | 0.010 | b <sub>1</sub> V.                   | CK. K. n.                                              |
| 18               | 44.   | 45.1  | 28.961 | 44.9  | 5     | S         | 0.138  | 0.267 | b <sub>1</sub> V.                   | K. CK. CS. C. Bar: heaving                             |
| 19               | 36.6  | 40.7  | 29.062 | 36.1  | 4     | SW        | 0.020  | 0.045 | b <sub>1</sub> V.                   | CK. C. at 9 <sup>h</sup> 15 <sup>m</sup>               |
| 20               | 40.   | 40.9  | 29.124 | 40.4  | 6     | SWb S     | 0.167  | 0.003 | b <sub>1</sub> V.                   | CK. CS. C.                                             |
| 21               | 50.9  | 45.   | 29.137 | 50.5  | 10    | SW        | 0.023  | 0.225 | o. m. d.                            | KS. n.                                                 |
| 22               | 43.3  | 43.2  | 29.003 | 43.9  | 9     | SW        | 0.120  | 0.430 | b <sub>1</sub> V. g.                | K. KS. CK. {at 0 <sup>h</sup> 15 <sup>m</sup> Thunder} |
| 23               | 45.4  | 44.9  | 28.948 | 45.1  | 5     | S         | 0.173  | 0.310 | b <sub>1</sub> V. g.                | K. KS. CK. n.                                          |
| 24               | 38.1  | 41.6  | 29.135 | 38.6  | 3     | SW        | 0.145  | 0.278 | b <sub>1</sub> V.                   | K. KS. CK.                                             |
| 25               | 39.9  | 41.2  | 29.163 | 39.8  | 3     | S         | 0.267  | 0.001 | o. V.                               | KS. S                                                  |
| 26               | 40.9  | 41.7  | 29.969 | 40.5  | 8     | SWb W     | 0.010  | 0.625 | o. m.                               | KS. n. (at 9 <sup>h</sup> 10 <sup>m</sup> )            |
| 27               | 38.7  | 40.7  | 29.210 | 38.8  | 4     | Wb S      | 0.323  | 0.213 | b <sub>1</sub> V.                   | CK. K.                                                 |
| 28               | 38.7  | 39.9  | 29.478 | 38.2  | 4     | SW        | 0.602  | 0.049 | b <sub>1</sub> V.                   | rain S. n. (at 9 <sup>h</sup> 10 <sup>m</sup> )        |
| 29               | 40.1  | 39.4  | 29.788 | 40.6  | 4     | Wb N      | 0.117  | 0.087 | b <sub>1</sub> V.                   | S                                                      |
| 30               | 46.8  | 42.5  | 29.827 | 46.1  | 4     | SW        | 0.046  | 0.132 | o. m.                               | KS.                                                    |
| 31               | 48.2  | 44.9  | 29.848 | 48.1  | 4     | S         | 0.037  | 0.026 | o. m. rain                          | n                                                      |
| mean             | 43.18 | 43.71 | 29.542 | 42.84 |       |           | 2.497  | 4.585 |                                     |                                                        |
|                  |       |       |        | 41.65 |       |           | 3.669  |       |                                     |                                                        |

| 1858 | 9 Pm  |       |        | Wet              | Wind  |           | Max   | Min:  | mean dew-point = |               | >                    |
|------|-------|-------|--------|------------------|-------|-----------|-------|-------|------------------|---------------|----------------------|
| Wet  | E     | A     | Bar:   |                  | Force | Direction | T     | T     | mean humidity =  |               |                      |
| 1    | 49.8  | 46.3  | 29.221 | 49.8 }<br>48.3 } | 5     | SWW       | 50.5  | 36.9  | 0.8. 99.         | K. KS.        |                      |
| 2    | 40.2  | 44.4  | 29.641 | 39.7 }<br>38.4 } | 3 1/2 | WSW       | 50.9  | 39.6  | 6. V.            | S.            |                      |
| 3    | 52.1  | 50.4  | 29.428 | 51.9 }<br>51.1 } | 9     | S         | 54.1  | 39.8  | 0.8. 9.          | K.            |                      |
| 4    | 42.2  | 45.8  | 29.561 | 41.6 }<br>40.6 } | 3     | SWbS      | 52.6  | 41.5  | 6. V.            | KS. S aurora. |                      |
| 5    | 44.4  | 45.4  | 29.991 | 44.2 }<br>43.2 } | 5     | SWbS      | 45.   | 37.5  | 0.9.             | KS.           |                      |
| 6    | 43.   | 45.1  | 29.963 | 42.4 }<br>41.8 } | 5     | SWW       | 46.9  | 42.5  | 6. V.            | S.            |                      |
| 7    | 46.   | 45.4  | 29.807 | 45.6 }<br>43.4 } | 9     | SE        | 49.   | 41.7  | 0. V. 9.         | KS. K.        |                      |
| 8    | 47.3  | 47.   | 29.851 | 47.1 }<br>45.6 } | 7     | SEbS      | 49.7  | 44.4  | 6. V. 9.         | KS. S         |                      |
| 9    | 47.9  | 45.3  | 29.900 | 47.9 }<br>47.2 } | 8     | SE        | 49.1  | 43.1  | 0.8.             | KS. K.        |                      |
| 10   | 45.6  | 45.5  | 29.813 | 45.4 }<br>44.1 } | 11    | SE        | 46.4  | 43.3  | 0.8. 99.         | K.            | Bar heaving a little |
| 11   | 49.8  | 47.4  | 29.678 | 49.7 }<br>47.3 } | 9     | S         | 50.7  | 45.1  | 0. V.            | K.            |                      |
| 12   | 45.8  | 48.3  | 29.462 | 45.3 }<br>45.2 } | 3     | SW        | 51.4  | 45.8  | 6. V.            | CK. K.        |                      |
| 13   | 37.1  | 44.7  | 29.825 | 36.4 }<br>36.1 } | 2 1/2 | SW        | 46.6  | 37.5  | 6. m.            | K. CK.        |                      |
| 14   | 42.3  | 43.8  | 29.903 | 41.8 }<br>40.2 } | 7     | SE        | 42.8  | 30.5  | 6. V.            | K. CK.        |                      |
| 15   | 42.5  | 43.1  | 29.708 | 42.1 }<br>39.1 } | 7     | SE        | 44.7  | 41.1  | 7. V.            | K.            |                      |
| 16   | 39.6  | 43.6  | 29.743 | 39.1 }<br>38.1 } | 5     | SSW       | 46.3  | 39.1  | 6. V.            |               |                      |
| 17   | 44.8  | 43.9  | 29.268 | 44.4 }<br>43.1 } | 10    | SEbS      | 44.7  | 34.8  | 0. V. 9.         | K. KS.        |                      |
| 18   | 40.1  | 43.1  | 29.892 | 39.6 }<br>38.1 } | 7     | SWbS      | 49.   | 39.8  | 6. V. 9.         | K. CK.        |                      |
| 19   | 37.6  | 40.   | 29.058 | 37.3 }<br>35.7 } | 5     | SWbS      | 40.9  | 35.8  | 6. V.            | KS.           |                      |
| 20   | 40.9  | 43.7  | 29.350 | 40.3 }<br>39.6 } | 5     | SW        | 46.9  | 37.3  | 6. V.            | CS. C.        |                      |
| 21   | 45.4  | 45.1  | 29.055 | 45.1 }<br>42.5 } | 8     | SW        | 52.6  | 40.1  | 6. V. 9.         |               |                      |
| 22   | 43.2  | 44.   | 29.192 | 42.9 }<br>42.2 } | 6     | SW        | 47.   | 41.   | 0. V. Rain       | n             |                      |
| 23   | 41.1  | 43.9  | 28.837 | 40.4 }<br>39.7 } | 5 1/2 | WNW       | 46.9  | 40.3  | 0. V. Rain       | n             |                      |
| 24   | 38.8  | 42.1  | 29.319 | 38.6 }<br>37.3 } | 5     | WSW       | 42.6  | 35.8  | 0. V.            | KS. K.        |                      |
| 25   | 38.1  | 41.6  | 29.190 | 37.3 }<br>37.2 } | 0     | SW        | 42.5  | 36.   | 6. m             |               |                      |
| 26   | 42.2  | 42.3  | 29.107 | 41.4 }<br>41.3 } | 4     | W         | 43.9  | 38.1  | 0.8. heavy rain  | n             |                      |
| 27   | 36.9  | 41.2  | 29.463 | 36.2 }<br>35.0 } | 3     | SWbW      | 43.   | 35.5  | 6. V.            |               |                      |
| 28   | 37.1  | 42.6  | 29.535 | 36.4 }<br>35.6 } | 3     | W         | 42.6  | 35.1  | 6. V.            |               |                      |
| 29   | 41.1  | 41.1  | 29.945 | 40.6 }<br>39.7 } | 5     | WbN       | 44.6  | 35.   | 0. V.            | K. KS.        |                      |
| 30   | 46.3  | 43.1  | 29.884 | 46.3 }<br>44.2 } | 2     | WbS       | 49.2  | 40.4  | 0. V.            | K. KS.        |                      |
| 31   | 47.4  | 46.   | 29.960 | 47.3 }<br>47.2 } | 4     | SWbW      | 51.9  | 46.   | 6. V.            | KS            |                      |
| mean | 43.03 | 44.33 | 29.566 | 42.797<br>41.42  |       |           | 47.26 | 39.37 |                  |               |                      |

| 1858                | 9 Am         |              |             | 9 Pm  |       |        | Rain            |        | Vapour  | Wind  |      | Thermometers                                                                                                              |                    |
|---------------------|--------------|--------------|-------------|-------|-------|--------|-----------------|--------|---------|-------|------|---------------------------------------------------------------------------------------------------------------------------|--------------------|
|                     | P.           | A.           | Bar         | P.    | A.    | Bar    | Squar<br>(Lyon) | Globe  | Tension | Force | Dir. | Max                                                                                                                       | Min                |
| Jan <sup>y</sup> .  | 42.44        | 43.21        | 29.988      | 42.25 | 43.89 | 29.985 | 1.459           | 2.053  |         |       |      | <sup>th</sup> 52.5                                                                                                        | <sup>th</sup> 32.2 |
| Feb <sup>y</sup> .  | 38.64        | 40.05        | 29.735      | 38.76 | 41.65 | 29.750 | 1.292           | 1.518  |         |       |      | <sup>th</sup> 52.6                                                                                                        | <sup>th</sup> 28.4 |
| March               | 42.40        | 41.86        | 29.770      | 40.76 | 43.96 | 29.747 | 1.060           | 1.566  |         |       |      | <sup>th</sup> 60.2                                                                                                        | <sup>th</sup> 25.2 |
| April               | 47.36        | 46.82        | 29.699      | 44.93 | 45.39 | 29.706 | 5.250           | 5.858  |         |       |      | <sup>th</sup> 66.5                                                                                                        | <sup>th</sup> 31.8 |
| May                 | 53.13        | 51.63        | 29.663      | 49.68 | 53.85 | 29.693 | 3.296           | 3.365  |         |       |      | <sup>th</sup> 70.5                                                                                                        | <sup>th</sup> 36.8 |
| June                | 60.29        | 59.22        | 29.870      | 57.27 | 61.60 | 29.862 | 1.038           | 0.944  |         |       |      | <sup>th</sup> 74.6                                                                                                        | <sup>th</sup> 48.0 |
| July                | 57.68        | 57.33        | 29.755      | 55.05 | 59.80 | 29.739 | 3.083           | 2.937  |         |       |      | <sup>th</sup> 71.2                                                                                                        | <sup>th</sup> 44.5 |
| August              | 59.62        | 58.59        | 29.793      | 56.60 | 61.31 | 29.768 | 3.324           | 3.139  |         |       |      | <sup>th</sup> 75.0                                                                                                        | <sup>th</sup> 49.4 |
| Sept <sup>r</sup> . | 56.66        | 56.47        | 29.733      | 55.50 | 58.52 | 29.732 | 1.833           | 2.061  |         |       |      | <sup>th</sup> 70.0                                                                                                        | <sup>th</sup> 44.  |
| Oct <sup>r</sup> .  | 46.65        | 48.60        | 29.726      | 46.04 | 49.87 | 29.771 | 2.420           | 2.760  |         |       |      | <sup>th</sup> 62.6                                                                                                        | <sup>th</sup> 34.4 |
| Nov <sup>r</sup> .  | 39.74        | 41.71        | 29.730      | 40.23 | 42.78 | 29.717 | 1.168           | 1.228  |         |       |      | <sup>th</sup> 53.6                                                                                                        | <sup>th</sup> 24.9 |
| Dec <sup>r</sup> .  | 43.18        | 43.71        | 29.560      | 43.03 | 44.33 | 29.581 | 3.669           | 4.585  |         |       |      | <sup>th</sup> 54.1                                                                                                        | <sup>th</sup> 30.5 |
| Summer              | 55.61        | 55.25        | 29.758      | 53.30 | 57.43 | 29.760 | 14.994          | 15.206 |         |       |      |                                                                                                                           |                    |
| Winter              | 42.34        | 42.91        | 29.748      | 41.70 | 43.70 | 29.769 | 13.898          | 16.808 |         |       |      |                                                                                                                           |                    |
| year                | 49.04        | 48.15        | 29.752      | 47.60 | 50.63 | 29.763 | 28.892          | 32.014 |         |       |      |                                                                                                                           |                    |
| 48.98               | Rain<br>Days | Mean<br>Ther | Mean<br>Bar |       |       |        |                 |        |         |       |      |                                                                                                                           |                    |
| Jan <sup>y</sup>    | 19           | 42.34        | 29.986      |       |       |        |                 |        |         |       |      | Mean Temperature of Year = 48°.32<br>Max:- Aug <sup>t</sup> 12 <sup>th</sup> = 75°.<br>Min:- Nov. 28 <sup>th</sup> = 24.9 |                    |
| Feb <sup>y</sup>    | 9            | 38.70        | 29.742      |       |       |        |                 |        |         |       |      |                                                                                                                           |                    |
| March               | 10           | 41.58        | 29.759      |       |       |        |                 |        |         |       |      |                                                                                                                           |                    |
| April               | 16           | 46.11        | 29.703      |       |       |        |                 |        |         |       |      | Mean Barometer = 29.757<br>max:- Jan 9 <sup>th</sup> = 30.475<br>Min:- Nov. 27 <sup>th</sup> = 28.610                     |                    |
| May                 | 15           | 51.40        | 29.678      |       |       |        |                 |        |         |       |      |                                                                                                                           |                    |
| June                | 12           | 58.78        | 29.866      |       |       |        |                 |        |         |       |      |                                                                                                                           |                    |
| July                | 20           | 56.37        | 29.747      |       |       |        |                 |        |         |       |      |                                                                                                                           |                    |
| Aug <sup>t</sup>    | 16           | 58.11        | 29.781      |       |       |        |                 |        |         |       |      |                                                                                                                           |                    |
| Sept <sup>r</sup> . | 17           | 56.08        | 29.733      |       |       |        |                 |        |         |       |      |                                                                                                                           |                    |
| Oct <sup>r</sup> .  | 22           | 46.34        | 29.753      |       |       |        |                 |        |         |       |      |                                                                                                                           |                    |
| Nov <sup>r</sup> .  | 9            | 39.99        | 29.723      |       |       |        |                 |        |         |       |      |                                                                                                                           |                    |
| Dec <sup>r</sup> .  | 27           | 43.10        | 29.570      |       |       |        |                 |        |         |       |      |                                                                                                                           |                    |
|                     | 192          |              |             |       |       |        |                 |        |         |       |      |                                                                                                                           |                    |

0.027

For 1858, Summa =  $\frac{1}{45}$   
Winter =  $\frac{1}{150}$   
Year =  $\frac{1}{72}$