

MONTHLY METEOROLOGICAL REGISTER, ST. MARTINS, ISLE JESUS, CANADA EAST, (NINE MILES WEST OF MONTREAL) FOR THE MONTH OF FEBRUARY, 1860.

Latitude, 45 degrees 32 minutes North. Longitude, 73 degrees 36 minutes West. Height above the level of the Sea, 118 feet.

BY CHARLES SMALLWOOD, M.D., LL.D.

| Day of Month | Barometer—corrected and reduced to 32° F. (English inches.) |         |          | Temperature of the Air.—F. |         |          | Tension of Aqueous Vapour. |         |          | Humidity of the Atmosphere. |         |          | Direction of Wind. |             |             | Horizontal Movement in 24 hours, in miles. | OZONE. Mean amount of, in inches. | RAIN. Amount of, in inches. | SNOW. Amount of, in inches. | WEATHER, CLOUDS, REMARKS, &c. &c. |         |             |
|--------------|---|---------|----------|----------------------------|---------|----------|----------------------------|---------|----------|-----------------------------|---------|----------|--------------------|-------------|-------------|--|-----------------------------------|-----------------------------|-----------------------------|-----------------------------------|---------|-------------|
|              | [A cloudy sky is represented by 10, a cloudless one by 0.]  |         |          |                            |         |          |                            |         |          |                             |         |          |                    |             |             |  |                                   |                             |                             |                                   |         |             |
|              | 6 a. m.   | 2 p. m. | 10 p. m. | 6 a. m.                    | 2 p. m. | 10 p. m. | 6 a. m.                    | 2 p. m. | 10 p. m. | 6 a. m.                     | 2 p. m. | 10 p. m. | 6 a. m.            | 2 p. m.     | 10 p. m.    |  |                                   |                             |                             | 6 a. m.                           | 2 p. m. | 10 p. m.    |
| 1            | 30.143  | 30.205  | 30.173   | -25.0                      | -5.2    | -11.1    | .010                       | .026    | .015     | .64                         | .70     | .55      | N. E. by E.        | S. S. W.    | S.          | 7.23                                       | 0.5                               |                             |                             | Clear.                            |         |             |
| 2            | 190   | 280     | 260      | -11.6                      | 12.1    | 2.1      | .116                       | .039    | .038     | .56                         | .57     | .73      | N. E. by E.        | S. E. by E. | N. E. by E. | 0.52                                       | 0.5                               |                             |                             | Hazy.                             |         |             |
| 3            | 470   | 300     | 201      | 1.0                        | 16.8    | 3.2      | .032                       | .053    | .042     | .70                         | .58     | .86      | N. E. by E.        | N. E. by E. | N. E. by E. | 4.90                                       | 1.5                               |                             |                             | Cu. Str.                          | 10.     |             |
| 4            | 141   | 197     | 053      | 1.0                        | 17.9    | 10.9     | .041                       | .063    | .057     | .85                         | .67     | .79      | N. E. by E.        | N. E. by E. | S. E. by E. | 42.60                                      | 2.5                               |                             |                             | "                                 | 10.     | Lunar Halo. |
| 5            | 014   | 002     | 29.840   | -5.6                       | 28.7    | 30.8     | .028                       | .129    | .161     | .81                         | .80     | .90      | S. E. by E.        | E. by S.    | E. by S.    | 100.10                                     | 2.6                               |                             |                             | Hoar frost.                       |         |             |
| 6            | 29.380  | 29.320  | 375      | 33.0                       | 40.9    | 37.0     | .168                       | .212    | .199     | .88                         | .83     | .90      | S. by E.           | S. by E.    | S. W.       | 136.20                                     | 5.3                               |                             |                             | Cu. Str.                          | 10.     |             |
| 7            | 500   | 529     | 800      | 30.1                       | 33.2    | 23.4     | .148                       | .170    | .100     | .88                         | .87     | .80      | W.                 | W. by S.    | S. W.       | 264.00                                     | 4.0                               |                             |                             | "                                 | 10.     |             |
| 8            | 869   | 874     | 899      | 20.5                       | 26.8    | 18.6     | .091                       | .105    | .093     | .84                         | .75     | .90      | S. W.              | W. S. W.    | W. S. W.    | 67.70                                      | 3.0                               |                             |                             | "                                 | 10.     |             |
| 9            | 507   | 109     | 068      | 18.2                       | 38.9    | 37.7     | .088                       | .195    | .209     | .90                         | .80     | .90      | S. W.              | W. S. W.    | W. S. W.    | 47.90                                      | 2.0                               |                             |                             | Inapp.                            |         |             |
| 10           | 504   | 897     | 30.131   | 4.6                        | 1.0     | -5.0     | .038                       | .034    | .022     | .73                         | .71     | .63      | W. by N.           | W. N. W.    | N. N. W.    | 655.10                                     | 2.0                               |                             |                             | Clear.                            |         |             |
| 11           | 30.102  | 914     | 29.862   | -13.3                      | -1.0    | -1.0     | .012                       | .025    | .036     | .49                         | .66     | .84      | W. S. W.           | W. S. W.    | N. E. by E. | 117.70                                     | 2.0                               | 0.50                        |                             | Clear.                            |         |             |
| 12           | 005   | 729     | 074      | -1.1                       | 18.0    | 11.6     | .028                       | .032    | .051     | .68                         | .83     | .70      | N. E. by E.        | S. W.       | S. W.       | 146.00                                     | 2.3                               |                             |                             | Cu. Str.                          | 10.     |             |
| 13           | 29.842  | 580     | 701      | 15.1                       | 31.9    | 23.1     | .070                       | .148    | .106     | .81                         | .80     | .85      | S. S. E.           | S. by W.    | W. N. W.    | 6.90                                       | 4.0                               |                             |                             | Clear.                            |         |             |
| 14           | 30.047  | 864     | 142      | -1.1                       | 19.9    | 1.0      | .028                       | .065    | .032     | .66                         | .62     | .70      | W. S. W.           | W. S. W.    | W.          | 106.70                                     | 3.3                               |                             |                             | Slight snow.                      |         |             |
| 15           | 252   | 941     | 846      | -8.1                       | 7.0     | 6.5      | .018                       | .036    | .037     | .58                         | .56     | .63      | N. N. E.           | N. E. by E. | N. N. E.    | 151.40                                     | 3.3                               |                             |                             | Clear.                            |         |             |
| 16           | 29.424  | 422     | 689      | 20.0                       | 25.8    | 10.3     | .091                       | .123    | .054     | .84                         | .88     | .77      | E. by S.           | S. by E.    | W.          | 223.00                                     | 5.0                               | 7.90                        |                             | Snow.                             |         |             |
| 17           | 894   | 799     | 876      | -13.0                      | 12.6    | -7.2     | .019                       | .039    | .019     | .74                         | .51     | .60      | W.                 | W.          | W.          | 67.00                                      | 0.5                               |                             |                             | Clear.                            |         |             |
| 18           | 803   | 614     | 374      | -19.2                      | 4.0     | 3.1      | .008                       | .038    | .036     | .74                         | .72     | .78      | S. W.              | N. E. by E. | N. E. by E. | 115.60                                     | 3.0                               | 1.00                        |                             | Clear.                            |         |             |
| 19           | 256   | 340     | 774      | 8.9                        | 12.9    | 6.4      | .051                       | .054    | .037     | .78                         | .71     | .69      | N. E. by E.        | W. by N.    | W. by N.    | 539.60                                     | 3.3                               | 5.10                        |                             | Cu. Str.                          | 10.     |             |
| 20           | 694   | 650     | 664      | 1.0                        | 25.8    | 28.3     | .030                       | .111    | .135     | .69                         | .81     | .88      | S. by E.           | S. by E.    | S. W. by S. | 123.20                                     | 1.6                               | 1.10                        |                             | Snow.                             |         |             |
| 21           | 801   | 754     | 950      | 26.0                       | 49.5    | 31.0     | .111                       | .272    | .142     | .81                         | .78     | .84      | S. W. by S.        | S. by W.    | S. S. W.    | 103.10                                     | 1.3                               |                             |                             | Cu. Str.                          | 2.      |             |
| 22           | 874   | 462     | 297      | 17.2                       | 42.4    | 39.9     | .076                       | .201    | .234     | .80                         | .96     | .98      | N. E. by E.        | S. by E.    | S. E.       | 59.80                                      | 7.6                               | 0.295                       |                             | Cir. Cum.                         | 4.      |             |
| 23           | 075   | 028     | 320      | 35.4                       | 38.4    | 34.2     | .183                       | .223    | .194     | .91                         | .95     | .97      | S. S. W.           | S. S. W.    | W. S. W.    | 111.60                                     | 6.6                               | 0.147                       |                             | Rain.                             | 10.     |             |
| 24           | 676   | 682     | 779      | 16.0                       | 21.1    | 15.1     | .059                       | .084    | .061     | .65                         | .56     | .73      | W. S. W.           | W. S. W.    | W. S. W.    | 397.40                                     | 4.0                               |                             |                             | Clear.                            |         |             |
| 25           | 061   | 827     | 871      | 10.4                       | 25.0    | 13.2     | .052                       | .094    | .059     | .71                         | .68     | .74      | S. W. by S.        | S. W.       | W.          | 91.80                                      | 3.3                               |                             |                             | Cu. Str.                          | 10.     |             |
| 26           | 30.244  | 30.164  | 30.090   | 3.7                        | 22.7    | 19.0     | .030                       | .079    | .087     | .59                         | .65     | .84      | W. by N.           | S. W.       | S. S. E.    | 87.00                                      | 4.6                               |                             |                             | Clear.                            |         |             |
| 27           | 29.979  | 29.960  | 29.901   | 15.0                       | 46.1    | 39.0     | .072                       | .262    | .201     | .82                         | .84     | .86      | N. E. by E.        | S. E.       | S. by W.    | 26.10                                      | 8.0                               |                             |                             | Cu. Str.                          | 10.     |             |
| 28           | 30.321  | 30.300  | 30.260   | 20.1                       | 28.4    | 24.1     | .091                       | .129    | .111     | .85                         | .82     | .85      | N. E.              | N. N. E.    | N. E. by E. | 204.00                                     | 6.0                               |                             |                             | Cu. Str.                          | 10.     |             |
| 29           | 157   | 030     | 29.954   | 21.7                       | 32.0    | 34.6     | .106                       | .168    | .180     | .86                         | .88     | .89      | N. E. by E.        | N. E. by E. | N. E. by E. | 127.30                                     | 10.0                              | 0.174                       |                             | "                                 | 10.     |             |

REPORT FOR THE MONTH OF MARCH, 1860.

| Day of Month | Barometer—corrected and reduced to 32° F. (English inches.) |         |          | Temperature of the Air.—F. |         |          | Tension of Aqueous Vapour. |         |          | Humidity of the Atmosphere. |         |          | Direction of Wind. |             |             | Horizontal Movement in 24 hours, in miles. | OZONE. Mean amount of, in inches. | RAIN. Amount of, in inches. | SNOW. Amount of, in inches. | WEATHER, CLOUDS, REMARKS, &c. &c. |         |          |
|--------------|---|---------|----------|----------------------------|---------|----------|----------------------------|---------|----------|-----------------------------|---------|----------|--------------------|-------------|-------------|--|-----------------------------------|-----------------------------|-----------------------------|-----------------------------------|---------|----------|
|              | [A cloudy sky is represented by 10, a cloudless one by 0.]  |         |          |                            |         |          |                            |         |          |                             |         |          |                    |             |             |  |                                   |                             |                             |                                   |         |          |
|              | 6 a. m.   | 2 p. m. | 10 p. m. | 6 a. m.                    | 2 p. m. | 10 p. m. | 6 a. m.                    | 2 p. m. | 10 p. m. | 6 a. m.                     | 2 p. m. | 10 p. m. | 6 a. m.            | 2 p. m.     | 10 p. m.    |  |                                   |                             |                             | 6 a. m.                           | 2 p. m. | 10 p. m. |
| 1            | 29.745  | 29.583  | 29.533   | 32.1                       | 35.0    | 34.8     | .168                       | .204    | .196     | .89                         | 1.00    | .97      | N. E. by E.        | N. E. by E. | S. E. by E. | 64.00                                      | 10.0                              | 0.361                       |                             | Cu. Str.                          | 10.     |          |
| 2            | 425   | 516     | 30.043   | 32.3                       | 41.3    | 32.2     | .175                       | .228    | .155     | .95                         | .87     | .89      | W. S. W.           | W. by S.    | W. N. W.    | 254.30                                     | 7.0                               |                             |                             | "                                 | 10.     |          |
| 3            | 30.102  | 431     | 29.087   | 21.3                       | 32.4    | 39.2     | .090                       | .156    | .201     | .80                         | .82     | .84      | N. E. by E.        | S. E. by E. | S. E.       | 148.80                                     | 1.3                               |                             |                             | Clear.                            |         |          |
| 4            | 29.300  | 434     | 759      | 31.0                       | 34.0    | 21.1     | .155                       | .170    | .080     | .89                         | .80     | .71      | S. by W.           | S. by W.    | W. N. W.    | 147.50                                     | 1.3                               |                             |                             | "                                 | 10.     |          |
| 5            | 768   | 500     | 612      | 14.1                       | 26.8    | 10.9     | .067                       | .123    | .048     | .81                         | .87     | .69      | S. W. by S.        | W. by S.    | N. E. by E. | 165.00                                     | 3.0                               | 0.14                        |                             | Cu. Str.                          | 10.     |          |
| 6            | 856   | 722     | 904      | 8.3                        | 27.0    | 20.9     | .057                       | .099    | .085     | .80                         | .69     | .78      | S. E.              | S. E. by E. | N. E.       | 121.70                                     | 3.0                               |                             |                             | Clear.                            |         |          |
| 7            | 824   | 600     | 420      | 19.1                       | 38.2    | 34.4     | .077                       | .201    | .190     | .78                         | .86     | .95      | N. N. E.           | N. E. by E. | E. S. E.    | 157.70                                     | 3.0                               |                             |                             | C. Str.                           | 10.     |          |
| 8            | 353   | 256     | 520      | 29.4                       | 42.8    | 36.7     | .136                       | .230    | .184     | .83                         | .85     | .85      | S. E. by E.        | S. by W.    | W. S. W.    | 146.60                                     | 4.0                               |                             |                             | Clear.                            |         |          |
| 9            | 452   | 462     | 479      | 28.0                       | 32.1    | 21.6     | .123                       | .143    | .090     | .82                         | .79     | .78      | N. W.              | N. W.       | N. W.       | 137.10                                     | 1.0                               |                             |                             | Clear.                            |         |          |
| 10           | 348   | 301     | 454      | 16.0                       | 28.4    | 21.2     | .070                       | .129    | .080     | .80                         | .82     | .71      | E.                 | W.          | W.          | 654.40                                     | 1.0                               |                             |                             | Inapp.                            |         |          |
| 11           | 547   | 440     | 601      | 20.0                       | 32.0    | 28.2     | .090                       | .143    | .128     | .78                         | .79     | .83      | W.                 | W.          | W.          | 451.80                                     | 1.0                               |                             |                             | Clear.                            |         |          |
| 12           | 669   | 625     | 670      | 18.9                       | 26.9    | 27.0     | .057                       | .112    | .129     | .85                         | .76     | .88      | N. E. by E.        | N. E. by E. | N. E. by E. | 211.80                                     | 0.5                               |                             |                             | Inapp.                            |         |          |
| 13           | 976   | 850     | 914      | 11.4                       | 35.9    | 22.7     | .056                       | .170    | .079     | .72                         | .80     | .65      | S. W. by S.        | S. W. by S. | S. W. by W. | 172.20                                     | 0.5                               |                             |                             | Clear.                            |         |          |
| 14           | 971   | 797     | 790      | 13.4                       | 41.0    | 31.0     | .052                       | .190    | .142     | .72                         | .74     | .84      | S. W. by W.        | S. W.       | S. W. by S. | 9.70                                       | 1.0                               |                             |                             | Clear.                            |         |          |
| 15           | 30.017  | 962     | 944      | 24.4                       | 49.6    | 36.1     | .105                       | .290    | .177     | .80                         | .82     | .85      | S. W. by S.        | S. W. by S. | S. by E.    | 2.20                                       | 1.5                               |                             |                             | "                                 |         |          |
| 16           | 130   | 747     | 942      | 29.0                       | 57.9    | 46.0     | .129                       | .343    | .241     | .82                         | .72     | .84      | S. by W.           | S. by W.    | S.          | 0.80                                       | 1.5                               |                             |                             | "                                 |         |          |
| 17           | 050   | 994     | 949      | 31.1                       | 54.1    | 39.4     | .155                       | .362    | .190     | .80                         | .87     | .80      | S. by E.           | S. by E.    | S. E.       | 1.00                                       | 1.3                               |                             |                             | "                                 |         |          |
| 18           | 159   | 939     | 932      | 30.1                       | 52.0    | 37.6     | .148                       | .334    | .178     | .89                         | .86     | .83      | E.                 | E. by N.    | E. by S.    | 0.00                                       | 3.3                               |                             |                             | "                                 |         |          |
| 19           | 29.920  | 492     | 479      | 30.0                       | 60.0    | 49.0     | .148                       | .317    | .223     | .89                         | .62     | .64      | E. by N.           | S. E. by E. | S. S. E.    | 0.00                                       | 3.6                               |                             |                             | "                                 |         |          |
| 20           | 354   | 042     | 369      | 39.0                       | 39.0    | 37.0     | .201                       | .223    | .199     | .86                         | .95     | .90      | S. S. E.           | W. S. W.    | S. S. W.    | 1.00                                       | 4.3                               | 0.017                       |                             | Cu. Str.                          | 10.     |          |
| 21           | 479   | 527     | 624      | 20.0                       | 24.0    | 17.0     | .106                       | .094    | .088     | .86                         | .73     | .75      | W. by S.           | W.          | W. by N.    | 133.90                                     | 2.0                               | 0.51                        |                             | "                                 | 10.     |          |
| 22           | 327   | 318     | 560      | 10.1                       | 20.9    | 17.2     | .048                       | .096    | .078     | .78                         | .85     | .83      | W. by N.           | W.          | S. S. W.    | 306.30                                     | 2.3                               |                             |                             | Snow.                             |         |          |
| 23           | 541   | 324     | 329      | 6.4                        | 34.0    | 23.6     | .049                       | .144    | .100     | .89                         | .75     | .79      | S. W.              | S. W.       | S. S. W.    | 65.90                                      | 1.0                               | 1.33                        |                             | Clear.                            |         |          |
| 24           | 125   | 080     | 210      | 21.1                       | 52.9    | 26.1     | .030                       | .131    | .117     | .71                         | .70     | .76      | S. S. W.           | W. by S.    | W. S. W.    | 220.80                                     | 2.3                               |                             |                             | Inapp.                            |         |          |
| 25           | 214   | 234     | 500      | 19.6                       | 34.0    | 31.6     | .031                       | .155    | .149     | .77                         | .79     | .84      | W. S. W.           | S. W. by S. | W. by N.    | 164.90                                     | 3.3                               |                             |                             | Cu. Str.                          | 4.      |          |
| 26           | 679   | 532     | 829      | 23.6                       | 36.2    | 26.3     | .100                       | .149    | .117     | .79                         | .71     | .81      | W.                 | W. S. W.    | W. S. W.    | 176.10                                     | 3.3                               | 1.10                        |                             | Snow.                             |         |          |
| 27           | 797   | 547     | 610      | 12.1                       | 40.0    | 33.0     | .060                       | .182    | .156     | .80                         | .73     | .85      | S. W. by S.        | S. W. by S. | S. W. by S. | 90.80                                      | 1.0                               |                             |                             | Cu. Str.                          | 10.     |          |
| 28           | 361   | 350     | 471      | 34.6                       | 36.1    | 26.9     | .149                       | .170    | .115     | .74                         | .80     | .83      | S.                 | W.          | S. W.       | 194.00                                     | 1.0                               |                             |                             | Clear.                            |         |          |
| 29           | 501   | 400     | 514      | 17.0                       | 33.7    | 27.6     | .078                       | .162    | .123     | .85                         | .84     | .82      | S. S. W.           | S. W.       | S.          | 21.60                                      | 1.3                               |                             |                             | Cu. Str.                          | 10.     |          |
| 30           | 574   | 183     | 164      | 24.2                       | 52.6    | 40.0     | .100                       | .282    | .221     | .79                         | .73     | .90      | S. by W.           | S. S. E.    | S. S. W.    | 2.10                                       | 4.0                               |                             |                             | Clear.                            |         |          |
| 31           | 162   | 28.714  | 008      | 33.6                       | 61.1    | 45.0     | .182                       | .383    | .251     | .91                         | .71     | .84      | S. E.              | S. W.       | W. S. W.    | 152.60                                     | 2.0                               |                             |                             | C. C. Str.                        | 4.      |          |

REMARKS FOR FEBRUARY, 1859.

Barometer ..... Highest, the 3rd day, 30.470 inches.  
 Lowest, the 23rd day, 29.023 "  
 Monthly Mean, 29.813 "  
 Range, 1.442 "  
 Thermometer ... Highest, the 21st day, 49° 5.  
 Lowest, the 1st day, -25° 0.  
 Monthly Mean, 15° 70.  
 Monthly Range, 74° 5.  
 Greatest intensity of the Sun's rays, 68° 1.  
 Lowest point of Terrestrial radiation, -27° 4.  
 Mean of Humidity, 751.  
 Rain fell on 7 days, amounting to 0.616 inches; it was raining 29 hours and 55 minutes.

Snow fell on 8 days, amounting to 15.60 inches; it was snowing 48 hours and 25 minutes.  
 Most prevalent wind, the N. E. by E.  
 Least prevalent wind, the S.  
 Most windy day, the 1