

MONTHLY METEOROLOGICAL REGISTER, AT THE PROVINCIAL MAGNETICAL OBSERVATORY, TORONTO CANADA WEST.—SEPTEMBER, 1866.  
*Latitude—43 deg. 39.4 min. North. Longitude—5 h. 17 m. 33 s. West. Elevation above Lake Ontario, 108 feet.*

| Day. | Barom. at temp. of 32°. |         |         | Temp. of the Air. |        |         | Excess of mean above Normal. |        |         | Tens. of Vapour. |         |         | Humidity of Air. |        |          | Direction of Wind. |         |         | Result. Direc- tion. | Velocity of Wind. |        |         | Rain in inches. | Snow in inches. |       |
|------|-------------------------|---------|---------|-------------------|--------|---------|------------------------------|--------|---------|------------------|---------|---------|------------------|--------|----------|--------------------|---------|---------|----------------------|-------------------|--------|---------|-----------------|-----------------|-------|
|      | Mean.                   |         |         | Mean.             |        |         | above Normal.                |        |         | Mean.            |         |         | Mean.            |        |          | Mean.              |         |         |                      | Mean.             |        |         |                 |                 |       |
|      | 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. |                      | 6 A.M.            | 2 P.M. | 10 P.M. |                 |                 |       |
| 1    | 29.498                  | 29.421  | 29.342  | 29.4032           | 60.9   | 67.6    | 63.7                         | 64.40  | + 1.37  | 478.591          | 570.550 | 89      | 96               | 91     | NE b e z | SW b w             | E b s   | Calm.   | S 80 E               | 6.5               | 2.2    | 0.0     | 2.10            | 2.57            | 0.080 |
| 2    | 358                     | 347     | —       | —                 | 65.5   | 78.2    | —                            | —      | —       | 586.470          | —       | 93      | 69               | 75     | SW b w   | S s w              | S s w   | Calm.   | N 79 W               | 0.5               | 0.2    | 0.0     | 3.18            | 1.39            | —     |
| 3    | 687                     | 656     | 662     | 6610              | 59.4   | 71.0    | 58.3                         | 62.73  | + 0.30  | 129.512          | 367.436 | 83      | 69               | 75     | Calm.    | Calm.              | Calm.   | Calm.   | N 28 E               | 0.6               | 0.0    | 2.0     | 1.84            | 2.36            | —     |
| 4    | 652                     | 563     | 432     | 54.23             | 56.9   | 68.8    | 65.6                         | 64.00  | + 1.87  | 384.411          | 391.103 | 85      | 58               | 62     | N        | E b N              | E b N   | E b N   | N 78 E               | 2.6               | 8.0    | 7.5     | 3.52            | 3.78            | 0.170 |
| 5    | 416                     | 512     | 622     | 52.50             | 60.9   | 70.2    | 54.4                         | 62.07  | + 0.23  | 360.355          | 330.401 | 91      | 48               | 78     | Calm.    | SW b w             | N W     | N W     | N 69 W               | 0.0               | 16.4   | 0.6     | 5.32            | 5.48            | 0.625 |
| 6    | 619                     | 656     | 607     | 63.57             | 51.5   | 71.0    | 61.2                         | 61.70  | + 0.27  | 336.320          | 385.391 | 88      | 55               | 71     | W N      | SW b w             | SW b w  | SW b w  | S 63 W               | 4.5               | 7.6    | 6.2     | 0.71            | 3.75            | —     |
| 7    | 661                     | 492     | 552     | 46.88             | 57.6   | 59.0    | 58.3                         | 58.57  | + 2.58  | 351.431          | 425.622 | 90      | 87               | 86     | N E b N  | N E b N            | N E b N | N E b N | N 32 E               | 2.2               | 10.6   | 6.2     | 5.06            | 6.17            | 0.800 |
| 8    | 389                     | 570     | 605     | 66.80             | 56.2   | 62.7    | 53.6                         | 58.15  | + 2.58  | 371.314          | 326.362 | 93      | 80               | 76     | SW b w   | N W                | N W     | N W     | N 35 W               | 3.2               | 14.0   | 1.6     | 7.16            | 7.14            | map   |
| 9    | 776                     | 809     | —       | —                 | 48.6   | 67.0    | —                            | —      | —       | 392.434          | —       | 88      | 66               | —      | Calm.    | N N                | N N     | N N     | N 33 W               | 0.0               | 8.7    | 6.4     | 5.12            | 5.42            | —     |
| 10   | 841                     | 740     | 650     | 7.985             | 49.3   | 63.4    | 56.5                         | 57.43  | + 2.62  | 313.369          | 413.377 | 89      | 63               | 91     | N b w    | S b w              | S b w   | Calm.   | S 4 E                | 1.0               | 2.6    | 0.0     | 0.58            | 1.81            | map   |
| 11   | 499                     | 266     | 148     | 29.10             | 59.8   | 60.9    | 61.6                         | 61.03  | + 1.40  | 432.516          | 512.509 | 88      | 96               | 97     | N E b E  | E b E              | E b E   | S       | S 72 E               | 5.8               | 8.6    | 2.2     | 2.68            | 6.40            | 0.675 |
| 12   | 169                     | 176     | 319     | 23.32             | 60.9   | 68.1    | 59.6                         | 62.55  | + 3.32  | 479.525          | 336.437 | 83      | 77               | 67     | W b s    | SW b w             | SW b w  | W N W   | S 53 W               | 7.4               | 12.8   | 9.5     | 9.92            | 0.27            | 0.077 |
| 13   | 436                     | 537     | 591     | 53.32             | 52.6   | 64.5    | 51.1                         | 56.69  | + 2.25  | 310.260          | 293.275 | 78      | 37               | 80     | W s w    | W s w              | W s w   | Calm.   | S 77 W               | 5.5               | 14.0   | 0.0     | 6.50            | 6.53            | —     |
| 14   | 537                     | 395     | 643     | 53.52             | 45.7   | 61.8    | 46.8                         | 51.60  | + 6.73  | 273.349          | 296.280 | 50      | 55               | 64     | W s w    | W s w              | W s w   | W b N   | S 85 W               | 0.0               | 8.4    | 19.0    | 9.30            | 9.90            | 0.170 |
| 15   | 837                     | 911     | 938     | 90.18             | 35.3   | 52.6    | 43.5                         | 45.90  | + 12.02 | 181.169          | 205.208 | 85      | 41               | 72     | W b s    | W b s              | N W     | Calm.   | N 88 W               | 4.0               | 8.5    | 0.0     | 2.00            | 3.45            | —     |
| 16   | 851                     | 762     | —       | —                 | 49.3   | 54.0    | —                            | —      | —       | 202.374          | —       | 74      | 78               | —      | S E b t  | S E b t            | E b N   | N N E   | S 78 E               | 5.2               | 2.0    | 0.9     | 1.15            | 3.50            | 780   |
| 17   | 524                     | 601     | 632     | 56.57             | 59.4   | 60.9    | 50.0                         | 56.05  | + 0.95  | 416.321          | 391.349 | 88      | 59               | 84     | N N      | SW b N             | SW b N  | N N     | S 32 W               | 9.4               | 8.6    | 1.5     | 5.26            | 5.35            | 0.050 |
| 18   | 697                     | 573     | 593     | 58.73             | 49.0   | 53.3    | 50.8                         | 51.08  | + 5.63  | 355.291          | 293.204 | 94      | 71               | 78     | N N      | SW b N             | SW b N  | N E     | N 28 E               | 0.8               | 1.0    | 1.0     | 1.76            | 1.86            | —     |
| 19   | 554                     | 594     | 702     | 62.20             | 49.7   | 55.1    | 50.4                         | 51.25  | + 4.87  | 217.257          | 308.267 | 69      | 57               | 81     | N        | N                  | E b s   | Calm.   | N 40 E               | 4.6               | 7.2    | 0.0     | 2.58            | 3.16            | map   |
| 20   | 685                     | 517     | 361     | 49.82             | 18.2   | 47.5    | 19.0                         | 48.47  | + 7.13  | 253.366          | 326.296 | 75      | 93               | 94     | N E      | N E b N            | N E b N | N E     | N 25 E               | 5.5               | 9.0    | 9.7     | 7.19            | 9.41            | 560   |
| 21   | 403                     | 587     | 691     | 57.28             | 45.4   | 52.2    | 41.5                         | 46.20  | + 8.92  | 209.231          | 171.262 | 92      | 60               | 64     | SW b w   | SW b w             | N W     | SW b w  | S 56 W               | 2.0               | 10.8   | 3.0     | 6.81            | 7.65            | —     |
| 22   | 765                     | 850     | 802     | 83.92             | 36.3   | 52.2    | 42.5                         | 44.65  | + 10.09 | 193.254          | 236.225 | 90      | 65               | 86     | SW b w   | SW b w             | N W     | N W     | S 5 W                | 2.2               | 8.2    | 2.0     | 1.12            | 3.42            | —     |
| 23   | 928                     | 800     | —       | —                 | 40.3   | 52.6    | —                            | —      | —       | 219.249          | —       | 87      | 60               | —      | N b N    | E b N              | E b N   | E N E   | N 82 E               | 4.2               | 14.0   | 5.2     | 7.28            | 7.57            | —     |
| 24   | 808                     | 721     | 682     | 73.22             | 44.3   | 56.2    | 58.0                         | 55.40  | + 0.15  | 249.339          | 416.335 | 82      | 75               | 85     | S E b E  | E                  | E       | Calm.   | S 87 E               | 0.8               | 8.3    | 0.0     | 3.31            | 3.35            | map   |
| 25   | 704                     | 665     | 652     | 66.28             | 56.2   | 53.6    | 48.6                         | 52.57  | + 0.71  | 384.284          | 331.351 | 85      | 93               | 82     | N        | N b w              | N b w   | N       | N 33 W               | 7.8               | 7.0    | 20.0    | 9.09            | 9.20            | 1.910 |
| 26   | 708                     | 779     | 777     | 78.58             | 46.4   | 56.0    | 46.1                         | 49.08  | + 3.15  | 298.222          | 254.276 | 94      | 48               | 81     | N        | N E b N            | N E b N | Calm.   | N 27 W               | 0.5               | 3.0    | 0.0     | 0.59            | 1.03            | —     |
| 27   | 786                     | 831     | 860     | 82.57             | 42.8   | 61.4    | 48.2                         | 53.193 | + 0.27  | 246.376          | 287.308 | 87      | 68               | 85     | Calm.    | S s w              | S s w   | Calm.   | S 31 W               | 0.0               | 6.2    | 0.0     | 1.59            | 1.64            | —     |
| 28   | 899                     | 895     | 883     | 89.92             | 41.4   | 63.7    | 52.9                         | 53.75  | + 1.92  | 214.165          | 351.397 | 92      | 78               | 95     | Calm.    | Calm.              | Calm.   | Calm.   | S 45 W               | 0.0               | 0.0    | 0.0     | 0.51            | 0.70            | —     |
| 29   | 900                     | 868     | 832     | 85.93             | 47.5   | 62.3    | 50.4                         | 54.12  | + 2.80  | 316.419          | 346.359 | 93      | 71               | 86     | Calm.    | Calm.              | Calm.   | Calm.   | S 29 W               | 0.0               | 0.0    | 0.0     | 0.08            | 0.26            | —     |
| 30   | 800                     | 775     | —       | —                 | 47.9   | 66.3    | —                            | —      | —       | 321.444          | —       | 96      | 68               | —      | Calm.    | Calm.              | Calm.   | Calm.   | N 8 E                | 0.0               | 0.0    | 3.5     | 1.66            | 2.58            | —     |
| M    | 29.6270                 | 29.6114 | 29.6278 | 29.6207           | 50.98  | 60.70   | 52.88                        | 55.22  | + 2.27  | 336.364          | 335.349 | 87      | 67               | 81     | 73       | —                  | —       | —       | —                    | 3.14              | 6.91   | 3.60    | —               | 4.63            | 657   |