**Monthly Meteorological Register, St. Martin, Isle Jesus, Canada East.—January, 1855.**

NINE MILES WEST OF MONTREAL.

BY CHARLES SMALLWOOD, M.D.

*Latitude*—45 *deg.* 32 *min. North. Longitude*—73 *deg.* 36 *min. West. Height above the Level of the Sea*—118 *Feet.*

| Day. | Barom. corrected and reduced to 32° Fahr. | | | Temp. of the Air. | | | Tension of Vapor. | | | Humidity of Air. | | | Direction of Wind. | | | Velocity in Miles per Hour. | | | Rain in Inch. | Snow in Inch. | Weather, &c. A cloudy sky is represented by 10; A cloudless sky 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. | | | 6 A.M. | 2 P.M. | 10 P.M. |
| 1 | 30·396 | 30·505 | 30·500 | 4·8 | 17·2 | 7·6 | ·051 | ·089 | ·062 | ·85 | ·84 | ·90 | N W b N | E N E | N E b E | Calm | 0·92 | 1·51 | ... | ... | Clear. | Cir. Cum. 4. | Cir Cum. 5. |
| 2 | 30·511 | 30·490 | 30·462 | 2·2 | 10·0 | 5·2 | 051 | 062 | 058 | 95 | 80 | 90 | N E b E | N E b E | N E b E | 6·25 | 16·00 | 3·75 | ... | ... | Cir. Str. 6. | Cir. Str. 10. | Light Cir.* |
| 3 | 30·122 | 30·411 | 30·339 | 9·0 | 34·1 | 25·1 | 067 | 204 | 129 | 91 | 94 | 81 | N E b N | S E b S | S E b S | 10·73 | Calm | Calm | ... | ... | Clear. | Clear. | Clear. |
| 4 | 30·196 | 30·140 | 30·292 | 11·7 | 34·1 | 36·4 | 085 | 204 | 210 | 88 | 94 | 90 | S E | N E | W | Calm | Calm | 0·81 | Inap. | ... | Fog. | Hazy. | Str. 10.† |
| 5 | 30·706 | 30·611 | 30·540 | 14·6 | 32·1 | 28·4 | 101 | 191 | 161 | 91 | 91 | 89 | N E b N | N E b N | N E b N | 3·62 | Calm | 0·05 | ... | ... | Clear. | Clear. | Cir. 4 P.M. |
| 6 | 30·561 | 30·585 | 30 386 | 26·2 | 30·1 | 32·1 | 160 | 177 | 191 | 96 | 95 | 96 | N E b N | S S E | S S E | 11·24 | 4 85 | 6·27 | ... | ... | Str. 8. | Sleet. | Cir. Str. 4. |
| 7 | 30·150 | 30·142 | 30·300 | 37·2 | 38·0 | 34·7 | 218 | 236 | 203 | 99 | 96 | 94 | S S E | S S E | W b S | 10·92 | 5·62 | 3·91 | 0·080 | ... | Do. 9. | Rain. | Cir. Str. 9. |
| 8 | 30·685 | 30·651 | 30·721 | 21·2 | 32·4 | 18·4 | 118 | 191 | 117 | 88 | 87 | 93 | W b N | W b N | W b S | 11·65 | 0·76 | 1·12 | ... | ... | Clear. | Clear. | Clear. |
| 9 | 30·330 | 30·198 | 30·145 | 11·4 | 29·0 | 32·6 | 090 | 156 | 182 | 92 | 87 | 91 | N E | E | W S W | 0·03 | Calm | 1·12 | ... | ... | Str. 9. | Str. 4. | Do. |
| 10 | 30·550 | 30·524 | 30.341 | 3·0 | 12·6 | 0·6 | 048 | 078 | 043 | 84 | 90 | 90 | N W b W | W N W | W | 12·77 | 2·90 | Calm | ... | ... | Clear. | Clear. | Do. Auro. Bor. |
| 11 | 29·999 | 29·846 | 29·560 | - 0·2 | 12·1 | 15·6 | 044 | 061 | 088 | 95 | 70 | 91 | N E | N E b E | E N E | 0·82 | 1·11 | Calm | ... | ... | Str. 9. | Do. | Str. 10. |
| 12 | ·611 | ·584 | ·600 | 17·0 | 36·4 | 26·4 | 102 | 218 | 154 | 86 | 90 | 91 | N E | N E b E | N E b E | 0·25 | Calm | 0·25 | ... | 1·60 | Do. 2. | Snow. | Do. 10. |
| 13 | ·280 | ·141 | ·694 | 37·0 | 37·9 | 9·4 | 220 | 226 | 060 | 94 | 90 | 80 | S b E | W | W N W | 4·62 | 4·93 | 16·85 | 0·516 | ... | Rain. | Rain. | Clear. |
| 14 | 30·090 | 30·085 | 30·080 | -16·5 | - 5·6 | - 9·0 | 020 | 038 | 029 | 90 | 89 | 94 | W b N | W | W | 26·42 | 10·13 | 18·46 | ... | ... | Clear. | Clear. | Do. |
| 15 | 29.784 | 29·846 | 29·900 | - 5·0 | 6·0 | 6·2 | 031 | 059 | 060 | 85 | 90 | 96 | N E b E | N E b E | N E b E | 3·68 | 1·46 | Inap. | ... | 3·00 | Snow. | Snow. | Str. 8. |
| 16 | 30·040 | 30·039 | 30 060 | - 0·8 | 8·0 | 7·5 | 044 | 063 | 062 | 90 | 89 | 92 | N E b E | N E b E | N E b E | 6·36 | 6·43 | 11·20* | ... | Inap. | Str. 10. | Sl'gt snow. | Do. 10. |
| 17 | 30·020 | 29·845 | 29·781 | 7·3 | 14·8 | 29·0 | 062 | 087 | 159 | 93 | 90 | 96 | N E b E | N E b E | S b E | 8·89 | 7·50 | 5·00 | ... | 1·60 | Do. 10. | Snow. | Do. 10. |
| 18 | 29·750 | ·698 | ·680 | 20·6 | 23·3 | 20·1 | 112 | 125 | 110 | 98 | 95 | 96 | N E b E | N E | N E b N | 3·73 | 4·16 | 11·62 | ... | Inap. | Do. 8. | Sl't snow. | Do. 10. |
| 19 | ·610 | ·510 | ·521 | 23·9 | 29·2 | 28·9 | 125 | 159 | 139 | 95 | 96 | 96 | N W b W | N W b W | W N W | 4·00 | 0·51 | 5·18 | ... | ... | Do. 10. | Str. 10. | Do. 10. |
| 20 | ·501 | ·500 | ·546 | 20·0 | 29·4 | 28·6 | 110 | 159 | 145 | 94 | 93 | 89 | W b N | W b N | W b N | 13·88 | 0·14 | 1·11 | ... | ... | Do. 10. | Do. 6. | Do. 10. |
| 21 | ·884 | ·880 | ·719 | 20·1 | 28·6 | 22·5 | 118 | 170 | 136 | 88 | 94 | 94 | N E b E | N E b E | N E b E | 1·07 | 1·51 | 2·41 | ... | ... | Cir. Str. 8. | Cum. Str. 4. | Snow. |
| 22 | ·050 | ·060 | ·470 | 35·0 | 33·0 | 20·0 | 213 | 178 | 107 | 94 | 86 | 82 | S E | W S W | W S W | 14·68 | 6·52 | 18·75 | 0·810 | 1·20 | Rain. | Cum. Str. 4. | Clear. |
| 23 | ·833 | ·891 | .910 | 11·0 | 23·6 | 20·0 | 082 | 135 | 114 | 88 | 90 | 87 | W | S W b W | S W b W | 6 25 | 0·70 | 0·70 | ... | ... | Cir. Str. 4. | Cir. 2. | Cum. Str. 8. |
| 24 | 30·001 | 30·050 | ·985 | 10·0 | 24·5 | 11·0 | 079 | 115 | 087 | 88 | 80 | 92 | S | S S E | N E b E | 7·12 | Calm | Inap. | ... | ... | Clear. | Clear. | Clear. |
| 25 | 29·935 | 29·900 | ·836 | 1·0 | 25·0 | 12·0 | 018 | 104 | 043 | 90 | 70 | 89 | N E b N | N E b N | N E b E | Calm | Calm | Calm | ... | ... | Cir. Str. 4. | Do. | Str. 10. |
| 26 | ·690 | ·536 | ·240 | 9·6 | 15·1 | 15·0 | 068 | 088 | 088 | 90 | 93 | 94 | N E b E | N E b E | N E b E | 2·61 | 2·63 | 27·46 | ... | ... | Str. 10. | Snow. | Snow. |
| 27 | ·092 | ·210 | ·450 | 18·1 | 28·4 | 5·0 | 106 | 152 | 058 | 94 | 96 | 98 | W N W | W S W | W S W | 18.32 | 12·27 | 4·28 | ... | 11·30 | Snow. | Do. | Clear. |
| 28 | ·750 | ·871 | ·890 | 9·0 | 15·3 | 11·9 | 067 | 081 | 075 | 94 | 85 | 90 | S W b S | N E b E | N E b E | Calm | 0·37 | 7·00 | ... | ... | Str. 10. | Cir. Str. 4. | Cir. 2. |
| 29 | ·521 | ·340 | ·505 | 16·2 | 3·2 | 27·0 | 091 | 191 | 119 | 94 | 93 | 84 | N E b E | N E b E | W S W | 23·62 | 11·62 | 9·29 | ... | 1·40 | Snow. | Cir.Cum.Str.4 | Cir. Cum. 4. |
| 30 | ·630 | ·630 | ·660 | 18·0 | 29·0 | 19·2 | 106 | 152 | 117 | 87 | 85 | 93 | S b W | W S W | S W | 12·39 | 4·37 | 21·50 | ... | ... | Cum. Str. 10. | Cum. Str. 4. | Cum. Str. 6. |
| 31 | ·795 | ·810 | ·948 | 17·4 | 18·2 | 4.6 | 106 | 105 | 051 | 88 | 87 | 89 | W S W | W N W | N W | 16·80 | 11·25 | 12·73 | ... | ... | Do. 4. | Do. 2. | Cir. 2.‡ |

Barometer ....
- Highest, the 8th day ..... 30·721
- Lowest, the 22nd day ..... 29·050
- Monthly Mean ..... 29·926
- " Range ..... 1·671

Thermometer.
- Highest, the 7th day ..... 44°·7
- Lowest, the 14th day ..... —16°·5
- Monthly Mean ..... 17°·88
- " Range ..... 61°·2
- Mean Humidity ..... ·897

Greatest Intensity of the Sun's Rays ..... 114°·8

Rain fell on 4 days, amounting to 1·436 inches. Raining 25 hours, 5 minutes.

Snow fell on 8 days, amounting to 20·10 inches. Snowing 78 hours 10 minutes.
Most prevalent Wind, N.E. b E. Least prevalent Wind, E.
Most Windy Day, the 14th day; mean miles per hour, 18·33.
Least Windy Day, the 25th day; mean miles per hour, 0.00
Aurora Borealis visible on 1 night. Might have been seen on 14 nights.
Lunar Halo visible on 2 nights.
Slight shock of an Earthquake on the 13th day, at 5·40 a.m.
The Electrical state of the atmosphere has been marked by moderate intensity, and during the snow storm of the 15th and 27th, indicated a high tension of a negative character.
The amount of *Ozone* has been rather less than usual.

* Lunar Halo, diameter 44°·4. † Rain at 5·40 p.m. ‡ Lunar Halo, diameter 74°·0