

KEPT AT THE HOUSE OF

**THE ROYAL SOCIETY,**

BY ORDER OF THE

PRESIDENT AND COUNCIL.

METEOROLOGICAL JOURNAL

for January 1778.

|        | Therm. |         | Therm. within. | Barom. | Rain. | Winds.  |         | Weather. |                            |
|--------|--------|---------|----------------|--------|-------|---------|---------|----------|----------------------------|
|        | H. M.  | without |                |        |       | Points. | Str.    |          |                            |
| Jan. 1 | 8      | ○       | 33,5           | 48,5   | 29,66 | ○,116   | NNW     | 3        | Rain, violent wind last n. |
|        | 2      | ○       | 32,5           | 37,0   | 29,85 |         | N by W. | 2        | Fair.                      |
| 2      | 8      | ○       | 33,5           | 35,5   | 30,26 |         | NNE     | 1        | Cloudy.                    |
|        | 2      | ○       | 36,0           | 37,0   | 30,38 |         | NW      | 1        | Fine.                      |
| 3      | 8      | ○       | 26,5           | 33,5   | 30,55 |         | NNE     | 1        | Fair and frosty.           |
|        | 2      | ○       | 32,0           | 34,0   | 30,51 |         | N by W  | 1        | Fine.                      |
| 4      | 8      | ○       | 25,0           | 31,5   | 30,49 |         | WNW     | 1        | Foggy and frosty.          |
|        | 2      | ○       | 28,0           | 32,0   | 30,45 |         | NW      | 1        | Fine.                      |
| 5      | 8      | ○       | 32,0           | 32,5   | 30,28 |         | SSW     | 1        | Foggy.                     |
|        | 2      | ○       | 37,0           | 32,0   | 30,26 |         | SW      | 1        | Fine.                      |
| 6      | 8      | ○       | 37,0           | 36,0   | 30,23 |         | NE      | 1        | Fair.                      |
|        | 2      | ○       | 42,0           | 38,0   | 30,27 |         | NE      | 1        | Cloudy and rainy.          |
| 7      | 8      | ○       | 31,0           | 35,5   | 30,45 |         | NE      | 1        | Foggy.                     |
|        | 2      | ○       | 37,5           | 36,5   | 30,54 |         | NE      | 1        | Fine.                      |
| 8      | 8      | ○       | 29,0           | 34,0   | 30,55 |         | ENE     | 1        | Foggy and frosty.          |
|        | 2      | ○       | 34,0           | 34,5   | 30,61 |         | NE      | 1        | Fine.                      |
| 9      | 8      | ○       | 28,0           | 32,0   | 30,50 |         | N by E  | 1        | Frosty.                    |
|        | 2      | ○       | 37,0           | 34,5   | 30,47 |         | NE      | 1        | Fine.                      |
| 10     | 8      | ○       | 36,5           | 36,0   | 30,40 |         | NE      | 1        | Cloudy.                    |
|        | 2      | ○       | 38,0           | 37,0   | 30,42 |         | NE      | 1        | Cloudy.                    |
| 11     | 8      | ○       | 29,0           | 34,0   | 30,41 |         | NE      | 1        | Foggy.                     |
|        | 2      | ○       | 35,0           | 35,5   | 30,39 |         | ENE     | 1        | Fair.                      |
| 12     | 8      | ○       | 26,0           | 32,0   | 30,44 |         | NE      | 1        | Fair and frosty.           |
|        | 2      | ○       | 36,0           | 35,0   | 30,42 |         | N by E  | 1        | Fine.                      |
| 13     | 8      | ○       | 36,0           | 35,0   | 30,41 |         | N by E  | 1        | Foggy.                     |
|        | 2      | ○       | 40,0           | 37,0   | 30,42 |         | NE      | 1        | Cloudy and rainy.          |
| 14     | 8      | ○       | 33,0           | 36,0   | 30,33 |         | N by W  | 1        | Foggy.                     |
|        | 2      | ○       | 37,0           | 37,5   | 30,35 |         | NW      | 1        | Fair.                      |
| 15     | 8      | ○       | 32,5           | 36,0   | 30,28 |         | NE      | 1        | Fine.                      |
|        | 2      | ○       | 34,5           | 37,5   | 30,29 |         | NE      | 1        | Fine.                      |
| 16     | 8      | ○       | 32,5           | 35,0   | 30,19 |         | NNE     | 1        | Foggy.                     |
|        | 2      | ○       | 35,0           | 36,0   | 30,21 |         | NE      | 1        | Foggy and snow.            |

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for January 1779.

|         | Time. | Therm.  |         | Barom. | Rain. | Winds.  |        | Weather. |                   |
|---------|-------|---------|---------|--------|-------|---------|--------|----------|-------------------|
|         |       | without | within. |        |       | Inches. | Inch.  |          | Points.           |
| Jan. 17 | 8     | 0       | 34,0    | 36,0   | 30,30 |         | NE     | 1        | Foggy.            |
|         | 2     | 0       | 36,0    | 36,5   | 30,27 |         | NNE    | 1        | Cloudy.           |
| 18      | 8     | 0       | 32,0    | 35,0   | 30,22 |         | S by W | 1        | Cloudy.           |
|         | 2     | 0       | 34,0    | 36,0   | 30,28 |         | SW     | 1        | Rain.             |
| 19      | 8     | 0       | 35,0    | 35,0   | 30,27 |         | SSW    | 1        | Foggy.            |
|         | 2     | 0       | 45,0    | 37,0   | 30,37 |         | SW     | 1        | Foggy.            |
| 20      | 8     | 0       | 38,0    | 39,0   | 30,49 | 0,027   | S      | 1        | Foggy.            |
|         | 2     | 0       | 45,0    | 48,5   | 30,52 |         | SW     | 1        | Foggy.            |
| 21      | 8     | 0       | 38,0    | 40,0   | 30,35 |         | S by E | 1        | Cloudy.           |
|         | 2     | 0       | 44,5    | 42,5   | 30,29 |         | SE     | 1        | Fine.             |
| 22      | 8     | 0       | 41,0    | 42,5   | 30,20 |         | S by W | 1        | Fair.             |
|         | 2     | 0       | 49,0    | 44,5   | 30,24 |         | SW     | 1        | Fine.             |
| 23      | 8     | 0       | 40,0    | 42,0   | 30,37 |         | W      | 1        | Fair.             |
|         | 2     | 0       | 48,0    | 44,5   | 30,34 |         | SW     | 1        | Fine.             |
| 24      | 8     | 0       | 37,0    | 44,0   | 30,33 |         | S by E | 1        | Cloudy.           |
|         | 2     | 0       | 49,0    | 43,5   | 30,24 |         | S by W | 1        | Fine.             |
| 25      | 8     | 0       | 39,0    | 42,0   | 29,95 |         | S by E | 1        | Fair.             |
|         | 2     | 0       | 45,0    | 43,0   | 29,93 |         | SE     | 1        | Rainy and cloudy. |
| 26      | 8     | 0       | 39,0    | 41,0   | 29,87 | 0,020   | ESE    | 1        | Fair.             |
|         | 2     | 0       | 45,5    | 42,5   | 29,81 |         | ESE    | 1        | Fine.             |
| 27      | 8     | 0       | 41,0    | 42,5   | 29,66 |         | S by E | 1        | Cloudy.           |
|         | 2     | 0       | 44,5    | 43,5   | 29,63 |         | S by E | 1        | Rainy.            |
| 28      | 8     | 0       | 39,0    | 41,5   | 29,86 | 0,053   | WNW    | 1        | Cloudy.           |
|         | 2     | 0       | 41,0    | 42,5   | 29,99 |         | NW     | 1        | Cloudy.           |
| 29      | 8     | 0       | 31,5    | 39,0   | 30,15 |         | SSW    | 1        | Fair.             |
|         | 2     | 0       | 43,0    | 41,5   | 30,25 |         | SW     | 1        | Fine.             |
| 30      | 8     | 0       | 43,0    | 40,0   | 30,24 |         | SW     | 1        | Cloudy.           |
|         | 2     | 0       | 50,0    | 43,0   | 30,31 |         | SW     | 1        | Fine.             |
| 31      | 8     | 0       | 45,0    | 45,0   | 30,39 |         | WSW    | 1        | Cloudy.           |
|         | 2     | 0       | 48,5    | 45,5   | 30,44 |         | SW     | 1        | Fine.             |

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for February 1779.

|        | Time. | Therm.<br>without | Therm.<br>within. | Barom.  | Rain. | Winds.  |      | Weather.         |
|--------|-------|-------------------|-------------------|---------|-------|---------|------|------------------|
|        |       |                   |                   | Inches. | Inch. | Points. | Str. |                  |
| Feb. 1 | 8     | 43,0              | 46,0              | 30,41   |       | W       | 1    | Fair.            |
|        | 2     | 48,0              | 47,0              | 30,45   |       | NW      | 1    | Cloudy.          |
| 2      | 8     | 41,0              | 45,0              | 30,42   |       | SSW     | 1    | Fair.            |
|        | 2     | 50,0              | 47,0              | 30,41   |       | SW      | 1    | Fine.            |
| 3      | 8     | 37,0              | 44,0              | 30,31   |       | ENE     | 1    | Foggy.           |
|        | 2     | 45,0              | 45,0              | 30,26   |       | NW      | 1    | Fine.            |
| 4      | 8     | 46,0              | 47,0              | 30,14   |       | W by N  | 1    | Fair.            |
|        | 2     | 50,0              | 48,0              | 30,14   |       | NW      | 1    | Fine.            |
| 5      | 8     | 48,0              | 49,5              | 30,07   |       | WSW     | 2    | Cloudy.          |
|        | 2     | 51,0              | 49,5              | 30,10   |       | WSW     | 2    | Fine.            |
| 6      | 8     | 47,0              | 49,0              | 30,12   |       | SW      | 2    | Fine.            |
|        | 2     | 55,0              | 52,5              | 30,14   |       | SW      | 2    | Fine.            |
| 7      | 8     | 50,0              | 51,0              | 30,32   |       | WSW     | 1    | Cloudy.          |
|        | 2     | 55,5              | 53,5              | 30,32   |       | WSW     | 1    | Cloudy.          |
| 8      | 8     | 47,0              | 52,0              | 30,39   |       | W by S  | 1    | Cloudy.          |
|        | 2     | 52,5              | 53,0              | 30,44   |       | SW      | 1    | Fine.            |
| 9      | 8     | 48,0              | 51,5              | 30,36   |       | ENE     | 1    | Cloudy.          |
|        | 2     | 52,5              | 53,5              | 30,34   |       | ENE     | 1    | Cloudy.          |
| 10     | 8     | 45,0              | 49,5              | 30,11   |       | SW      | 1    | Cloudy.          |
|        | 2     | 47,5              | 50,5              | 30,11   |       | S by W  | 1    | Cloudy.          |
| 11     | 8     | 42,0              | 48,5              | 30,14   |       | SE      | 1    | Fine.            |
|        | 2     | 52,0              | 50,0              | 30,12   |       | SE      | 1    | Fine.            |
| 12     | 8     | 45,0              | 47,0              | 29,85   |       | SSE     | 1    | Fair.            |
|        | 2     | 51,0              | 48,0              | 29,84   |       | SW      | 1    | Fine.            |
| 13     | 8     | 49,0              | 48,0              | 29,85   |       | SW      | 2    | Cloudy.          |
|        | 2     | 53,0              | 51,0              | 29,96   |       | SW      | 2    | Fine, much wind. |
| 14     | 8     | 48,0              | 50,0              | 29,98   | 0,164 | SW      | 1    | Fair.            |
|        | 2     | 53,0              | 51,5              | 30,10   |       | SW      | 1    | Fine.            |
| 15     | 8     | 40,0              | 47,0              | 30,44   | 0,025 | SSW     | 1    | Cloudy.          |
|        | 2     | 52,0              | 49,0              | 30,44   |       | SW      | 1    | Fine.            |
| 16     | 8     | 47,0              | 48,0              | 30,27   |       | SSW     | 1    | Cloudy.          |
|        | 2     | 53,0              | 50,0              | 30,39   |       | SW      | 1    | Fine.            |

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|         | Time. |   | Therm.  | Therm.  | Barom.  | Rain. | Winds.  |      | Weather. |
|---------|-------|---|---------|---------|---------|-------|---------|------|----------|
|         |       |   | without | within. |         |       | Points. | Str. |          |
|         |       |   |         |         | Inches. | Inch. |         |      |          |
| Feb. 17 | 8     | 0 | 45,0    | 47,5    | 30,46   |       | SW      | 1    | Cloudy.  |
|         | 2     | 0 | 57,0    | 50,0    | 30,51   |       | SW      | 1    | Fine.    |
| 18      | 8     | 0 | 44,5    | 49,0    | 30,46   |       | SSW     | 1    | Fine.    |
|         | 2     | 0 | 55,5    | 51,0    | 30,44   |       | S by W  | 1    | Fine.    |
| 19      | 8     | 0 | 41,0    | 48,0    | 30,44   |       | SW      | 1    | Fine.    |
|         | 2     | 0 | 54,5    | 50,5    | 30,53   |       | SW      | 1    | Fine.    |
| 20      | 8     | 0 | 38,0    | 47,0    | 30,52   |       | SSW     | 1    | Foggy.   |
|         | 2     | 0 | 47,5    | 49,0    | 30,50   |       | S by W  | 1    | Fine.    |
| 21      | 8     | 0 | 40,0    | 45,0    | 30,34   |       | SSW     | 1    | Cloudy.  |
|         | 2     | 0 | 46,0    | 47,0    | 30,29   |       | WSW     | 1    | Cloudy.  |
| 22      | 8     | 0 | 40,5    | 45,0    | 30,22   |       | SW      | 1    | Cloudy.  |
|         | 2     | 0 | 40,0    | 46,5    | 30,21   |       | SW      | 1    | Fine.    |
| 23      | 8     | 0 | 40,0    | 44,5    | 30,17   |       | S by W  | 1    | Fair.    |
|         | 2     | 0 | 50,0    | 45,0    | 30,14   |       | SW      | 1    | Fine.    |
| 24      | 8     | 0 | 43,0    | 46,0    | 30,10   |       | E by N  | 1    | Fine.    |
|         | 2     | 0 | 51,0    | 47,0    | 30,16   |       | NE      | 1    | Cloudy.  |
| 25      | 8     | 0 | 43,0    | 47,0    | 30,21   | 0,050 | SSE     | 1    | Cloudy.  |
|         | 2     | 0 | 52,5    | 49,5    | 30,22   |       | S by E  | 1    | Fine.    |
| 26      | 8     | 0 | 47,0    | 49,0    | 30,23   |       | S by E  | 1    | Fair.    |
|         | 2     | 0 | 59,0    | 52,0    | 30,26   |       | SW      | 1    | Cloudy.  |
| 27      | 8     | 0 | 48,0    | 50,0    | 30,17   |       | SW      | 1    | Foggy.   |
|         | 2     | 0 | 60,5    | 53,0    | 30,53   |       | SW      | 1    | Fine.    |
| 28      | 8     | 0 | 43,0    | 50,0    | 30,19   |       | SSE     | 1    | Fair.    |
|         | 2     | 0 | 58,0    | 52,0    | 30,38   |       | NE      | 1    | Foggy.   |

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for March 1779.

|        | Time. | Therm.<br>without | Therm.<br>within. | Barom.  | Rain. | Winds.  |      | Weather. |
|--------|-------|-------------------|-------------------|---------|-------|---------|------|----------|
|        |       |                   |                   | Inches. | Inch. | Points. | Str. |          |
| Mar. 1 | 7 0   | 39,5              | 49,0              | 30,16   |       | SSW     | I    | Fair.    |
|        | 2 0   | 59,0              | 51,0              | 30,17   |       | SSW     | I    | Fine.    |
| 2      | 7 0   | 44,0              | 49,0              | 30,27   |       | NNW     | I    | Fair.    |
|        | 2 0   | 50,5              | 50,0              | 30,29   |       | W by N  | I    | Fine.    |
| 3      | 7 0   | 34,5              | 45,0              | 30,34   |       | SSW     | I    | Fine.    |
|        | 2 0   | 50,0              | 47,5              | 30,37   |       | SW      | I    | Fair.    |
| 4      | 7 0   | 45,0              | 47,0              | 30,49   | 0,051 | S by E  | I    | Rainy.   |
|        | 2 0   | 50,5              | 49,0              | 30,56   |       | S by W  | I    | Cloudy.  |
| 5      | 7 0   | 37,0              | 47,0              | 30,60   |       | ENE     | I    | Foggy.   |
|        | 2 0   | 50,0              | 50,0              | 30,63   |       | NE      | I    | Fine.    |
| 6      | 7 0   | 36,0              | 43,5              | 30,57   |       | NNE     | I    | Foggy.   |
|        | 2 0   | 51,0              | 46,5              | 30,61   |       | NW      | I    | Fine.    |
| 7      | 7 0   | 40,0              | 44,0              | 30,48   |       | NE      | I    | Fair.    |
|        | 2 0   | 47,5              | 46,5              | 30,45   |       | ENE     | I    | Cloudy.  |
| 8      | 7 0   | 39,0              | 44,0              | 30,41   |       | ENE     | I    | Fine.    |
|        | 2 0   | 52,0              | 48,0              | 30,40   |       | NE      | I    | Fine.    |
| 9      | 7 0   | 37,0              | 43,5              | 30,32   |       | NE      | I    | Fine.    |
|        | 2 0   | 52,0              | 48,0              | 30,32   |       | NE      | I    | Fine.    |
| 10     | 7 0   | 41,0              | 44,5              | 30,24   |       | ENE     | I    | Cloudy.  |
|        | 2 0   | 50,0              | 46,5              | 30,17   |       | NE      | I    | Fine.    |
| 11     | 7 0   | 38,5              | 44,5              | 30,06   |       | E       | I    | Fair.    |
|        | 2 0   | 50,0              | 46,0              | 30,00   |       | ENE     | I    | Fine.    |
| 12     | 7 0   | 33,0              | 42,0              | 29,93   |       | ENE     | I    | Fine.    |
|        | 2 0   | 54,5              | 45,5              | 29,95   |       | NE      | I    | Fine.    |
| 13     | 7 0   | 37,0              | 44,0              | 30,14   |       | SSW     | I    | Fine.    |
|        | 2 0   | 50,0              | 48,0              | 30,14   |       | SW      | I    | Fine.    |
| 14     | 7 0   | 41,0              | 45,0              | 30,15   |       | SW      | I    | Fair.    |
|        | 2 0   | 50,0              | 48,0              | 30,09   |       | SW      | I    | Rainy.   |
| 15     | 7 0   | 44,0              | 48,0              | 29,84   | 0,052 | WNW     | I    | Fine.    |
|        | 2 0   | 52,0              | 50,0              | 29,96   |       | NW      | I    | Cloudy.  |
| 16     | 7 0   | 38,5              | 45,0              | 30,06   |       | NNE     | I    | Cloudy.  |
|        | 2 0   | 47,0              | 47,0              | 30,05   |       | NE      | I    | Fine.    |

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|         | Time. |    | Therm.  | Therm.  | Barom.  | Rain. | Winds.  |      | Weather.                |
|---------|-------|----|---------|---------|---------|-------|---------|------|-------------------------|
|         | H.    | M. | without | within. | Inches. | Inch. | Points. | Str. |                         |
| Mar. 17 | 7     | 0  | 40,0    | 44,5    | 29,95   |       | S by W  | 1    | Cloudy.                 |
|         | 2     | 0  | 50,0    | 47,0    | 29,89   |       | SW      | 1    | Fine.                   |
| 18      | 7     | 0  | 44,0    | 45,5    | 29,64   | 0,381 | SSE     | 1    | Rainy.                  |
|         | 2     | 0  | 52,0    | 49,0    | 29,63   |       | SE      | 1    | Fair.                   |
| 19      | 7     | 0  | 43,0    | 48,5    | 29,64   |       | W by S  | 1    | Fine.                   |
|         | 2     | 0  | 54,5    | 51,0    | 29,72   |       | W by S  | 1    | Fine.                   |
| 20      | 7     | 0  | 50,0    | 51,0    | 29,80   | 0,029 | S by W  | 1    | Cloudy.                 |
|         | 2     | 0  | 56,0    | 54,0    | 29,79   |       | SSW     | 1    | Fine.                   |
| 21      | 7     | 0  | 46,0    | 52,0    | 29,72   |       | WSW     | 2    | Cloudy.                 |
|         | 2     | 0  | 49,5    | 53,0    | 29,79   |       | W by S  | 2    | Showery with sun-shine. |
| 22      | 7     | 0  | 45,0    | 49,0    | 30,27   | 0,010 | W by S  | 1    | Fine.                   |
|         | 2     | 0  | 55,0    | 52,0    | 30,34   |       | SW      | 1    | Fair.                   |
| 23      | 7     | 0  | 49,0    | 51,0    | 30,33   |       | SW      | 1    | Fair.                   |
|         | 2     | 0  | 57,0    | 52,0    | 30,36   |       | SW      | 1    | Fine.                   |
| 24      | 7     | 0  | 47,0    | 49,0    | 30,32   |       | SSW     | 1    | Fine.                   |
|         | 2     | 0  | 62,0    | 53,0    | 30,35   |       | SW      | 1    | Fine.                   |
| 25      | 7     | 0  | 39,5    | 49,5    | 30,31   |       | NNE     | 1    | Fine.                   |
|         | 2     | 0  | 60,0    | 54,0    | 30,29   |       | NW      | 1    | Fine.                   |
| 26      | 7     | 0  | 42,0    | 50,0    | 30,15   |       | NW      | 1    | Fine.                   |
|         | 2     | 0  | 61,0    | 53,0    | 30,07   |       | NW      | 1    | Fine.                   |
| 27      | 7     | 0  | 42,0    | 53,0    | 30,08   |       | NW      | 1    | Fine.                   |
|         | 2     | 0  | 60,0    | 56,0    | 30,17   |       | NW      | 1    | Fine.                   |
| 28      | 7     | 0  | 42,0    | 50,0    | 30,11   |       | NW      | 1    | Fine.                   |
|         | 2     | 0  | 73,0    | 52,0    | 30,48   |       | NE      | 1    | Fine.                   |
| 29      | 7     | 0  | 42,0    | 47,0    | 30,40   |       | NE      | 1    | Fine.                   |
|         | 2     | 0  | 73,0    | 49,0    | 30,43   |       | N by E  | 1    | Fine.                   |
| 30      | 7     | 0  | 38,0    | 35,0    | 30,35   |       | NE      | 1    | Fine.                   |
|         | 2     | 0  | 51,0    | 48,0    | 30,29   |       | SE      | 1    | Fine.                   |
| 31      | 7     | 0  | 36,0    | 44,0    | 30,30   |       | NE      | 1    | Fine.                   |
|         | 2     | 0  | 57,0    | 48,5    | 30,29   |       | NE      | 1    | Fine.                   |

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for April 1779.

|        | Time. |    | Therm.  | Therm.  | Barom.  | Rain. | Winds.  |      | Weather.                 |
|--------|-------|----|---------|---------|---------|-------|---------|------|--------------------------|
|        | H.    | M. | without | within. | Inches. | Inch. | Points. | Str. |                          |
| Apr. 1 | 7     | 0  | 43,0    | 47,0    | 30,44   |       | NE      | 1    | Cloudy.                  |
|        | 2     | 0  | 50,0    | 49,0    | 30,48   |       | NE      | 1    | Cloudy.                  |
| 2      | 7     | 0  | 38,0    | 44,0    | 30,54   |       | NE      | 1    | Fine.                    |
|        | 2     | 0  | 56,0    | 51,0    | 30,59   |       | NE      | 1    | Fine.                    |
| 3      | 7     | 0  | 38,0    | 44,5    | 30,49   |       | NE      | 1    | Fine.                    |
|        | 2     | 0  | 62,0    | 58,0    | 30,43   |       | NE      | 1    | Fine.                    |
| 4      | 7     | 0  | 40,0    | 46,5    | 30,25   |       | NE      | 1    | Fine.                    |
|        | 2     | 0  | 65,0    | 51,0    | 30,18   |       | WSW     | 1    | Fine.                    |
| 5      | 7     | 0  | 47,0    | 50,0    | 30,09   |       | NE      | 1    | Fair.                    |
|        | 2     | 0  | 67,5    | 55,0    | 30,05   |       | SSE     | 1    | Fine.                    |
| 6      | 7     | 0  | 47,0    | 51,0    | 30,03   |       | SE      | 1    | Fine.                    |
|        | 2     | 0  | 67,0    | 57,0    | 30,25   |       | SE      | 1    | Fine.                    |
| 7      | 7     | 0  | 51,0    | 52,0    | 30,19   | 0,051 | SSW     | 1    | Cloudy.                  |
|        | 2     | 0  | 60,5    | 57,0    | 30,14   |       | S by W  | 2    | Cloudy.                  |
| 8      | 7     | 0  | 53,0    | 54,0    | 29,84   |       | S by W  | 2    | Fine.                    |
|        | 2     | 0  | 63,0    | 59,0    | 29,73   |       | SW      | 2    | Cloudy and rain.         |
| 9      | 7     | 0  | 43,5    | 53,5    | 29,77   | 0,175 | WSW     | 2    | Fine.                    |
|        | 2     | 0  | 54,0    | 55,0    | 29,81   |       | SW      | 2    | Rainy.                   |
| 10     | 7     | 0  | 44,5    | 49,5    | 29,97   | 0,027 | W by S  | 1    | Fair.                    |
|        | 2     | 0  | 52,0    | 54,0    | 29,90   |       | SW      | 1    | Cloudy with little rain. |
| 11     | 7     | 0  | 53,0    | 51,0    | 30,00   |       | SW'     | 2    | Fair.                    |
|        | 2     | 0  | 64,0    | 56,5    | 30,03   |       | SW      | 2    | Fine.                    |
| 12     | 7     | 0  | 51,0    | 52,0    | 30,10   |       | S by W  | 1    | Cloudy.                  |
|        | 2     | 0  | 62,0    | 58,0    | 30,14   |       | SW      | 1    | Cloudy.                  |
| 13     | 7     | 0  | 52,0    | 54,0    | 30,12   | 0,010 | SW      | 1    | Fair.                    |
|        | 2     | 0  | 66,0    | 60,0    | 30,12   |       | SW      | 1    | Fine.                    |
| 14     | 7     | 0  | 48,0    | 56,5    | 30,05   |       | SW      | 1    | Fair.                    |
|        | 2     | 0  | 71,0    | 61,0    | 29,99   |       | SW      | 1    | Fine.                    |
| 15     | 7     | 0  | 52,0    | 58,0    | 29,85   |       | ENE     | 1    | Fine.                    |
|        | 2     | 0  | 78,0    | 64,0    | 29,86   |       | SW      | 1    | Fine.                    |
| 16     | 7     | 0  | 51,5    | 60,0    | 29,90   |       | ENE     | 1    | Cloudy.                  |
|        | 2     | 0  | 55,0    | 60,0    | 29,96   |       | NE      | 1    | Cloudy.                  |



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|         | Time. |    | Therm.  | Therm.  | Barom.  | Rain. | Winds.  |      | Weather.         |
|---------|-------|----|---------|---------|---------|-------|---------|------|------------------|
|         | H.    | M. | without | within. | Inches. | Inch. | Points. | Str. |                  |
| Apr. 17 | 7     | 0  | 48,0    | 53,0    | 30,19   |       | E by S  | 1    | Cloudy.          |
|         | 2     | 0  | 55,0    | 55,5    | 30,20   |       | E by S  | 2    | Cloudy.          |
| 18      | 7     | 0  | 51,5    | 52,5    | 30,06   |       | ESE     | 1    | Fine.            |
|         | 2     | 0  | 69,0    | 60,5    | 29,99   |       | E       | 1    | Fine.            |
| 19      | 7     | 0  | 57,5    | 59,0    | 29,96   | 0,016 | SSW     | 1    | Cloudy.          |
|         | 2     | 0  | 68,5    | 62,5    | 30,03   |       | SW      | 1    | Fine.            |
| 20      | 7     | 0  | 54,0    | 58,0    | 30,09   |       | SSW     | 1    | Fine.            |
|         | 2     | 0  | 66,0    | 62,0    | 30,07   |       | SW      | 2    | Fine.            |
| 21      | 7     | 0  | 53,0    | 59,0    | 29,82   | 0,100 | W by S  | 2    | Fine.            |
|         | 2     | 0  | 61,0    | 60,0    | 29,78   |       | S by W  | 2    | Fine.            |
| 22      | 7     | 0  | 55,0    | 57,0    | 29,81   | 0,033 | SSW     | 3    | Cloudy.          |
|         | 2     | 0  | 60,0    | 57,5    | 29,77   |       | SW      | 2    | Cloudy.          |
| 23      | 7     | 0  | 47,0    | 54,0    | 29,66   | 0,210 | W by S  | 2    | Cloudy and rain. |
|         | 2     | 0  | 56,0    | 56,5    | 29,74   |       | SSW     | 3    | Cloudy.          |
| 24      | 7     | 0  | 49,0    | 53,0    | 29,60   | 0,245 | SW      | 2    | Fair.            |
|         | 2     | 0  | 45,0    | 54,0    | 29,58   |       | SW      | 2    | Showery.         |
| 25      | 7     | 0  | 45,0    | 50,0    | 29,78   | 0,218 | W by N  | 2    | Fine.            |
|         | 2     | 0  | 57,0    | 52,5    | 29,88   |       | SW      | 2    | Fine.            |
| 26      | 7     | 0  | 49,0    | 52,0    | 29,43   | 0,094 | W by S  | 2    | Fine.            |
|         | 2     | 0  | 58,0    | 54,5    | 29,55   |       | NW      | 2    | Fine.            |
| 27      | 7     | 0  | 46,0    | 51,0    | 29,60   |       | SW      | 2    | Fine.            |
|         | 2     | 0  | 47,0    | 52,5    | 29,65   |       | NW      | 2    | Showery.         |
| 28      | 7     | 0  | 45,0    | 50,0    | 29,57   | 0,045 | WSW     | 2    | Fine.            |
|         | 2     | 0  | 55,0    | 52,0    | 29,59   |       | SW      | 2    | Fine.            |
| 29      | 7     | 0  | 50,0    | 50,5    | 29,65   |       | WSW     | 2    | Cloudy.          |
|         | 2     | 0  | 56,5    | 54,0    | 29,69   |       | W by S  | 2    | Fine.            |
| 30      | 7     | 0  | 45,0    | 50,0    | 29,74   |       | NE      | 1    | Fine.            |
|         | 2     | 0  | 59,0    | 53,5    | 29,79   |       | E by N  | 1    | Fine.            |

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for May 1779.

|       | Time. |    | Therm.  | Therm.  | Barom.  | Rain. | Winds.  |      | Weather.                |
|-------|-------|----|---------|---------|---------|-------|---------|------|-------------------------|
|       | H.    | M. | without | within. | Inches. | Inch. | Points. | Str. |                         |
| May 1 | 7     | 0  | 47,0    | 52,0    | 29,52   | 0,342 | NNE     | 1    | Rainy.                  |
|       | 2     | 0  | 48,0    | 52,0    | 29,51   |       | NNW     | 1    | Rainy.                  |
| 2     | 7     | 0  | 41,5    | 48,0    | 29,80   | 0,021 | NNE     | 1    | Fine.                   |
|       | 2     | 0  | 55,5    | 51,5    | 29,81   |       | SSW     | 1    | Fine.                   |
| 3     | 7     | 0  | 43,0    | 48,5    | 29,68   |       | N by E  | 1    | Rainy.                  |
|       | 2     | 0  | 45,0    | 50,0    | 29,65   |       | N by E  | 1    | Rainy.                  |
| 4     | 7     | 0  | 42,0    | 45,0    | 29,64   | 0,240 | N by W  | 1    | Rainy.                  |
|       | 2     | 0  | 50,0    | 48,0    | 29,69   |       | NW      | 1    | Cloudy.                 |
| 5     | 7     | 0  | 42,0    | 45,0    | 29,65   |       | NNW     | 1    | Cloudy.                 |
|       | 2     | 0  | 45,0    | 48,0    | 29,62   |       | NW      | 1    | Rainy.                  |
| 6     | 7     | 0  | 47,0    | 48,0    | 29,82   | 0,202 | SSW     | 1    | Fair.                   |
|       | 2     | 0  | 61,0    | 52,0    | 29,80   |       | SW      | 1    | Cloudy.                 |
| 7     | 7     | 0  | 53,0    | 53,5    | 29,71   | 0,015 | SSW     | 1    | Fair.                   |
|       | 2     | 0  | 60,0    | 55,0    | 29,74   |       | SW      | 1    | Showery, but sun-shine. |
| 8     | 7     | 0  | 51,0    | 53,0    | 29,67   | 0,094 | ESE     | 1    | Fine.                   |
|       | 2     | 0  | 56,0    | 55,0    | 29,61   |       | ENE     | 1    | Showery.                |
| 9     | 7     | 0  | 53,0    | 55,0    | 29,63   | 0,083 | SSW     | 1    | Cloudy.                 |
|       | 2     | 0  | 65,0    | 58,5    | 29,77   |       | SSW     | 1    | Fine.                   |
| 10    | 7     | 0  | 51,0    | 51,5    | 29,69   |       | ENE     | 1    | Fine.                   |
|       | 2     | 0  | 70,0    | 68,5    | 29,64   |       | SW      | 1    | Fine.                   |
| 11    | 7     | 0  | 52,0    | 57,0    | 29,67   | 0,085 | WSW     | 1    | Fine.                   |
|       | 2     | 0  | 65,0    | 61,0    | 29,78   |       | SSW     | 1    | Fine.                   |
| 12    | 7     | 0  | 49,0    | 57,5    | 29,87   |       | SW      | 1    | Fine.                   |
|       | 2     | 0  | 64,0    | 60,0    | 29,93   |       | SSW     | 1    | Fine.                   |
| 13    | 7     | 0  | 55,5    | 58,0    | 29,91   |       | W       | 1    | Fine.                   |
|       | 2     | 0  | 68,0    | 61,5    | 29,96   |       | WNNW    | 1    | Fine.                   |
| 14    | 7     | 0  | 53,0    | 59,0    | 29,93   |       | SSW     | 1    | Fine.                   |
|       | 2     | 0  | 67,5    | 62,0    | 29,97   |       | SSW     | 1    | Fine.                   |
| 15    | 7     | 0  | 58,0    | 60,0    | 29,92   |       | SSW     | 1    | Fair.                   |
|       | 2     | 0  | 67,0    | 63,0    | 29,93   |       | W by S  | 1    | Fair.                   |
| 16    | 7     | 0  | 57,0    | 60,5    | 29,86   | 0,039 | SSW     | 1    | Rainy.                  |
|       | 2     | 0  | 60,0    | 62,5    | 29,86   |       | SW      | 2    | Cloudy and showery.     |

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|        | Time. |    | Therm.  | Therm.  | Barom.  | Rain. | Winds.  |      | Weather.                    |
|--------|-------|----|---------|---------|---------|-------|---------|------|-----------------------------|
|        | H.    | M. | without | within. | Inches. | Inch. | Points. | Str. |                             |
| May 17 | 7     | 0  | 58,0    | 61,0    | 29,78   | 0,087 | SSW     | 2    | Cloudy.                     |
|        | 2     | 0  | 66,0    | 64,0    | 29,80   |       | SSW     | 2    | Fine.                       |
| 18     | 7     | 0  | 59,0    | 62,0    | 29,83   |       | SSW     | 2    | Cloudy, with little sun-sh. |
|        | 2     | 0  | 58,5    | 62,0    | 29,78   |       | SW      | 2    | Rain.                       |
| 19     | 7     | 0  | 53,5    | 60,0    | 29,78   | 0,315 | WSW     | 2    | Cloudy.                     |
|        | 2     | 0  | 63,5    | 61,5    | 29,81   |       | WSW     | 2    | Showery.                    |
| 20     | 7     | 0  | 52,0    | 58,0    | 29,83   | 0,146 | WSW     | 2    | Cloudy.                     |
|        | 2     | 0  | 58,0    | 59,0    | 29,88   |       | SW      | 2    | Cloudy.                     |
| 21     | 7     | 0  | 55,5    | 57,0    | 30,02   | 0,039 | SW      | 1    | Cloudy.                     |
|        | 2     | 0  | 60,0    | 59,5    | 30,06   |       | SW      | 2    | Cloudy.                     |
| 22     | 7     | 0  | 55,0    | 58,0    | 30,16   |       | NW      | 1    | Fine.                       |
|        | 2     | 0  | 66,0    | 61,5    | 30,16   |       | NW      | 1    | Fine.                       |
| 23     | 7     | 0  | 58,0    | 59,5    | 30,19   |       | ENE     | 1    | Fine.                       |
|        | 2     | 0  | 78,0    | 66,0    | 30,12   |       | SE      | 1    | Fine.                       |
| 24     | 7     | 0  | 65,5    | 66,0    | 30,03   |       | S by W  | 1    | Fine.                       |
|        | 2     | 0  | 82,5    | 71,5    | 30,07   |       | S by W  | 1    | Fine.                       |
| 25     | 7     | 0  | 63,0    | 60,0    | 30,20   |       | ENE     | 1    | Fine.                       |
|        | 2     | 0  | 80,0    | 73,5    | 30,20   |       | NE      | 1    | Fine.                       |
| 26     | 7     | 0  | 54,5    | 61,0    | 30,12   |       | NE      | 1    | Cloudy.                     |
|        | 2     | 0  | 75,0    | 70,0    | 30,12   |       | E       | 1    | Fine.                       |
| 27     | 7     | 0  | 57,5    | 64,0    | 30,09   |       | NE      | 1    | Fair.                       |
|        | 2     | 0  | 70,0    | 67,5    | 30,12   |       | NE      | 1    | Fine.                       |
| 28     | 7     | 0  | 54,5    | 63,0    | 30,03   |       | NE      | 1    | Fair.                       |
|        | 2     | 0  | 74,5    | 68,0    | 30,02   |       | NE      | 1    | Fine.                       |
| 29     | 7     | 0  | 64,5    | 65,5    | 29,96   |       | ENE     | 1    | Fine.                       |
|        | 2     | 0  | 77,5    | 79,0    | 30,04   |       | E by N  | 1    | Fine.                       |
| 30     | 7     | 0  | 56,0    | 64,0    | 30,22   |       | ENE     | 1    | Fair.                       |
|        | 2     | 0  | 62,0    | 65,0    | 30,27   |       | NE      | 1    | Cloudy.                     |
| 31     | 7     | 0  | 56,5    | 57,5    | 30,19   |       | NE      | 1    | Fine.                       |
|        | 2     | 0  | 66,5    | 62,0    | 30,20   |       | NE      | 1    | Fine.                       |

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for June 1779.

|        | Time. | Therm.  | Therm.  | Barom.  | Rain. | Winds.  |      | Weather. |
|--------|-------|---------|---------|---------|-------|---------|------|----------|
|        | H. M. | without | within. | Inches. | Inch. | Points. | Str. |          |
| June 1 | 7 0   | 56,0    | 61,0    | 30,08   |       | NE      | 1    | Fine.    |
|        | 2 0   | 67,5    | 63,0    | 30,02   |       | E by N  | 1    | Fine.    |
| 2      | 7 0   | 53,5    | 57,5    | 30,02   |       | N by E  | 1    | Fine.    |
|        | 2 0   | 70,0    | 62,0    | 30,14   |       | NE      | 1    | Fine.    |
| 3      | 7 0   | 56,0    | 58,0    | 29,98   |       | NE      | 1    | Fine.    |
|        | 2 0   | 67,0    | 63,5    | 30,04   |       | NE      | 1    | Fine.    |
| 4      | 7 0   | 54,0    | 56,5    | 29,97   |       | S by E  | 1    | Fine.    |
|        | 2 0   | 70,0    | 63,5    | 29,95   |       | NW      | 1    | Fine.    |
| 5      | 7 0   | 54,0    | 61,0    | 29,90   |       | NW      | 1    | Fine.    |
|        | 2 0   | 67,0    | 63,5    | 29,87   |       | N by E  | 1    | Fine.    |
| 6      | 7 0   | 56,0    | 51,5    | 29,90   |       | ENE     | 1    | Fine.    |
|        | 2 0   | 71,0    | 65,0    | 29,89   |       | SE      | 1    | Fine.    |
| 7      | 7 0   | 62,0    | 63,0    | 29,78   |       | ESE     | 1    | Fine.    |
|        | 2 0   | 73,5    | 68,0    | 29,73   |       | SSE     | 1    | Fine.    |
| 8      | 7 0   | 61,0    | 65,0    | 29,54   | 0,086 | SSW     | 1    | Fine.    |
|        | 2 0   | 70,0    | 68,0    | 29,48   |       | SW      | 1    | Fine.    |
| 9      | 7 0   | 57,0    | 65,0    | 29,48   | 0,028 | SW      | 2    | Cloudy.  |
|        | 2 0   | 68,0    | 66,0    | 29,51   |       | SW      | 2    | Cloudy.  |
| 10     | 7 0   | 59,5    | 64,5    | 29,66   | 0,040 | SSW     | 1    | Cloudy.  |
|        | 2 0   | 62,0    | 65,0    | 29,72   |       | SW      | 1    | Cloudy.  |
| 11     | 7 0   | 53,0    | 61,5    | 29,65   | 0,303 | N by W  | 1    | Rainy.   |
|        | 2 0   | 53,0    | 62,0    | 29,64   |       | NE      | 2    | Rainy.   |
| 12     | 7 0   | 55,5    | 61,0    | 29,50   | 1,198 | ENE     | 1    | Cloudy.  |
|        | 2 0   | 70,0    | 65,0    | 29,55   |       | S by E  | 1    | Fine.    |
| 13     | 7 0   | 58,0    | 61,0    | 29,53   |       | W by S  | 1    | Fair.    |
|        | 2 0   | 72,0    | 65,5    | 29,51   |       | S by E  | 1    | Fine.    |
| 14     | 7 0   | 58,0    | 63,5    | 29,57   |       | NE      | 1    | Fair.    |
|        | 2 0   | 71,0    | 66,5    | 29,64   |       | NW      | 1    | Fair.    |
| 15     | 7 0   | 59,5    | 64,0    | 29,90   |       | NNE     | 1    | Fine.    |
|        | 2 0   | 71,5    | 69,0    | 30,00   |       | NNE     | 1    | Fine.    |
| 16     | 7 0   | 53,5    | 61,0    | 30,11   |       | N by W  | 2    | Cloudy.  |
|        | 2 0   | 62,0    | 63,0    | 30,15   |       | N       | 2    | Fair.    |

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for June 1779.

|         | Time. |    | Therm.  | Therm.  | Barom.  | Rain. | Winds.  |      | Weather. |
|---------|-------|----|---------|---------|---------|-------|---------|------|----------|
|         | H.    | M. | without | within. | Inches. | Inch. | Points. | Str. |          |
| June 17 | 7     | 0  | 54,5    | 60,0    | 30,15   |       | N by W  | 1    | Cloudy.  |
|         | 2     | 0  | 72,0    | 63,0    | 30,17   |       | NW      | 1    | Fine.    |
| 18      | 7     | 0  | 50,0    | 59,0    | 30,05   |       | SW      | 1    | Fair.    |
|         | 2     | 0  | 75,0    | 65,0    | 29,97   |       | NW      | 1    | Fine.    |
| 19      | 7     | 0  | 55,0    | 61,0    | 29,97   |       | NW      | 1    | Fine.    |
|         | 2     | 0  | 61,5    | 62,0    | 29,97   |       | WSW     | 1    | Fine.    |
| 20      | 7     | 0  | 52,5    | 59,5    | 30,10   | 0,058 | NW      | 1    | Fine.    |
|         | 2     | 0  | 62,5    | 61,0    | 30,12   |       | NW      | 1    | Fine.    |
| 21      | 7     | 0  | 58,0    | 60,0    | 30,16   |       | W by N  | 1    | Fine.    |
|         | 2     | 0  | 71,0    | 64,0    | 30,16   |       | WSW     | 1    | Fine.    |
| 22      | 7     | 0  | 56,5    | 61,5    | 30,15   | 0,120 | NNW     | 1    | Rainy.   |
|         | 2     | 0  | 61,0    | 63,0    | 30,22   |       | NW      | 1    | Cloudy.  |
| 23      | 7     | 0  | 57,0    | 60,5    | 30,21   |       | N by E  | 1    | Fine.    |
|         | 2     | 0  | 62,5    | 64,0    | 30,22   |       | NE      | 1    | Cloudy.  |
| 24      | 7     | 0  | 56,5    | 60,0    | 30,13   |       | NNE     | 1    | Fine.    |
|         | 2     | 0  | 63,0    | 63,0    | 30,13   |       | NW      | 1    | Cloudy.  |
| 25      | 7     | 0  | 55,0    | 60,0    | 29,92   | 0,385 | N by E  | 1    | Rainy.   |
|         | 2     | 0  | 60,0    | 62,0    | 29,89   |       | NNE     | 1    | Showery. |
| 26      | 7     | 0  | 58,0    | 61,0    | 29,92   | 0,258 | NE      | 2    | Fine.    |
|         | 2     | 0  | 69,0    | 65,0    | 29,99   |       | NE      | 2    | Fine.    |
| 27      | 7     | 0  | 55,0    | 58,5    | 30,02   |       | N by E  | 2    | Fair.    |
|         | 2     | 0  | 65,5    | 63,5    | 30,01   |       | ENE     | 2    | Fine.    |
| 28      | 7     | 0  | 57,0    | 60,0    | 30,02   |       | ENE     | 1    | Cloudy.  |
|         | 2     | 0  | 68,0    | 64,0    | 30,01   |       | NNE     | 1    | Fine.    |
| 29      | 7     | 0  | 54,5    | 60,0    | 30,06   |       | N by E  | 1    | Fair.    |
|         | 2     | 0  | 69,0    | 66,0    | 30,12   |       | N by E  | 1    | Fine.    |
| 30      | 7     | 0  | 57,5    | 61,0    | 30,22   |       | SSW     | 1    | Fine.    |
|         | 2     | 0  | 72,0    | 65,5    | 30,21   |       | S by W  | 1    | Fine.    |

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for July 1779.

|        | Time. |    | Therm.  | Therm.  | Barom.  | Rain. | Winds.  |      | Weather. |
|--------|-------|----|---------|---------|---------|-------|---------|------|----------|
|        | H.    | M. | without | within. | Inches. | Inch. | Points. | Str. |          |
| July 1 | 7     | 0  | 62,5    | 64,0    | 30,08   |       | SSW     | 1    | Fine.    |
|        | 2     | 0  | 73,0    | 68,0    | 30,00   |       | SW      | 1    | Fine.    |
| 2      | 7     | 0  | 59,0    | 64,5    | 29,85   |       | N by W  | 1    | Fine.    |
|        | 2     | 0  | 76,0    | 69,0    | 29,81   |       | NW      | 1    | Fine.    |
| 3      | 7     | 0  | 61,0    | 65,0    | 29,60   | 0,160 | NW      | 1    | Rainy.   |
|        | 2     | 0  | 63,0    | 67,0    | 29,50   |       | NW      | 1    | Rainy.   |
| 4      | 7     | 0  | 61,0    | 64,0    | 29,47   | 0,500 | SSE     | 1    | Fine.    |
|        | 2     | 0  | 68,0    | 65,0    | 29,35   |       | SE      | 1    | Rainy.   |
| 5      | 7     | 0  | 59,0    | 64,5    | 29,52   | 1,000 | S by W  | 2    | Fine.    |
|        | 2     | 0  | 65,0    | 66,0    | 29,35   |       | SW      | 2    | Showery. |
| 6      | 7     | 0  | 57,0    | 63,0    | 29,30   | 0,228 | SW      | 1    | Rainy.   |
|        | 2     | 0  | 63,0    | 65,0    | 29,48   |       | SW      | 1    | Cloudy.  |
| 7      | 7     | 0  | 60,0    | 64,0    | 29,76   | 0,160 | N by E  | 1    | Fair.    |
|        | 2     | 0  | 66,5    | 66,0    | 29,89   |       | NNW     | 1    | Showery. |
| 8      | 7     | 0  | 60,0    | 64,5    | 30,14   | 0,020 | NNW     | 1    | Fine.    |
|        | 2     | 0  | 73,5    | 67,5    | 30,17   |       | N       | 1    | Fine.    |
| 9      | 7     | 0  | 60,0    | 66,5    | 30,30   |       | NNE     | 1    | Fine.    |
|        | 2     | 0  | 78,0    | 70,0    | 30,28   |       | NE      | 1    | Fine.    |
| 10     | 7     | 0  | 64,0    | 67,0    | 30,28   |       | SSW     | 1    | Fine.    |
|        | 2     | 0  | 80,0    | 73,5    | 30,29   |       | NW      | 1    | Fine.    |
| 11     | 7     | 0  | 69,0    | 65,0    | 30,34   |       | NW      | 1    | Fine.    |
|        | 2     | 0  | 82,0    | 76,5    | 30,38   |       | NNW     | 1    | Fine.    |
| 12     | 7     | 0  | 65,0    | 73,5    | 30,41   |       | N by W  | 1    | Fair.    |
|        | 2     | 0  | 81,0    | 76,5    | 30,42   |       | NW      | 1    | Fine.    |
| 13     | 7     | 0  | 65,5    | 73,5    | 30,33   |       | NW      | 1    | Fine.    |
|        | 2     | 0  | 84,0    | 80,5    | 30,29   |       | NW      | 1    | Fine.    |
| 14     | 7     | 0  | 66,0    | 69,0    | 30,27   |       | ENE     | 1    | Fine.    |
|        | 2     | 0  | 77,0    | 77,0    | 30,31   |       | NE      | 1    | Fine.    |
| 15     | 7     | 0  | 66,0    | 69,0    | 30,34   |       | ESE     | 1    | Fine.    |
|        | 2     | 0  | 74,0    | 76,5    | 30,38   |       | SE      | 1    | Fine.    |
| 16     | 7     | 0  | 69,0    | 74,0    | 30,29   |       | SSW     | 1    | Fine.    |
|        | 2     | 0  | 82,0    | 81,0    | 30,34   |       | NE      | 1    | Fine.    |

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|         | Time. |    | Therm.  | Therm.  | Barom.  | Rain. | Winds.  |      | Weather. |
|---------|-------|----|---------|---------|---------|-------|---------|------|----------|
|         | H.    | M. | without | within. | Inches. | Inch. | Points. | Str. |          |
| July 17 | 7     | 0  | 64,5    | 67,0    | 30,25   |       | ESE     | 1    | Fine.    |
|         | 2     | 0  | 74,0    | 72,0    | 30,21   |       | SE      | 1    | Fine.    |
| 18      | 7     | 0  | 67,5    | 68,0    | 30,11   |       | E by S  | 1    | Fine.    |
|         | 2     | 0  | 85,0    | 75,0    | 30,09   |       | SSE     | 1    | Fine.    |
| 19      | 7     | 0  | 63,0    | 72,0    | 30,00   |       | SW      | 1    | Fair.    |
|         | 2     | 0  | 77,5    | 76,0    | 29,95   |       | SW      | 1    | Cloudy.  |
| 20      | 7     | 0  | 64,0    | 70,0    | 29,88   |       | SSW     | 1    | Fine.    |
|         | 2     | 0  | 76,0    | 74,5    | 29,84   |       | SW      | 1    | Fine.    |
| 21      | 7     | 0  | 63,5    | 70,5    | 29,72   |       | NNW     | 1    | Fair.    |
|         | 2     | 0  | 62,0    | 70,0    | 29,54   |       | NW      | 1    | Rainy.   |
| 22      | 7     | 0  | 62,0    | 68,5    | 29,58   | 2,867 | SSW     | 1    | Fine.    |
|         | 2     | 0  | 64,0    | 68,5    | 29,52   |       | SE      | 1    | Showery. |
| 23      | 7     | 0  | 61,0    | 66,0    | 29,33   | 0,853 | SE      | 1    | Rainy.   |
|         | 2     | 0  | 60,5    | 68,0    | 29,32   |       | NE      | 1    | Rainy.   |
| 24      | 7     | 0  | 61,0    | 66,0    | 29,63   | 0,140 | NW      | 1    | Fair.    |
|         | 2     | 0  | 70,0    | 68,5    | 29,66   |       | N by W  | 1    | Fine.    |
| 25      | 7     | 0  | 64,5    | 68,0    | 29,74   |       | SSW     | 1    | Fair.    |
|         | 2     | 0  | 74,0    | 70,5    | 29,71   |       | NW      | 1    | Fine.    |
| 26      | 7     | 0  | 60,0    | 67,5    | 29,76   | 0,269 | NNE     | 1    | Fair.    |
|         | 2     | 0  | 71,5    | 70,0    | 29,84   |       | NE      | 1    | Fine.    |
| 27      | 7     | 0  | 59,0    | 67,0    | 29,92   |       | S       | 1    | Fine.    |
|         | 2     | 0  | 73,0    | 70,0    | 29,97   |       | SW      | 1    | Cloudy.  |
| 28      | 7     | 0  | 64,0    | 66,0    | 29,85   |       | WSW     | 1    | Cloudy.  |
|         | 2     | 0  | 78,0    | 74,0    | 29,88   |       | SW      | 1    | Fine.    |
| 29      | 7     | 0  | 67,0    | 71,0    | 29,81   | 0,029 | SW      | 1    | Cloudy.  |
|         | 2     | 0  | 76,5    | 74,0    | 29,78   |       | SW      | 1    | Fair.    |
| 30      | 7     | 0  | 64,0    | 69,0    | 29,67   |       | SSW     | 1    | Cloudy.  |
|         | 2     | 0  | 73,0    | 72,0    | 29,69   |       | WSW     | 1    | Showery. |
| 31      | 7     | 0  | 62,0    | 69,0    | 29,79   | 0,175 | NW      | 2    | Cloudy.  |
|         | 2     | 0  | 66,0    | 69,0    | 29,89   |       | WSW     | 2    | Cloudy.  |

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|        | Time. |    | Therm.  | Therm.  | Barom.  | Rain. | Winds.  |      | Weather. |
|--------|-------|----|---------|---------|---------|-------|---------|------|----------|
|        | H.    | M. | without | within. | Inches. | Inch. | Points. | Str. |          |
| Aug. 1 | 7     | 0  | 59,5    | 67,0    | 30,09   |       | S by W  | 1    | Fine.    |
|        | 2     | 0  | 75,0    | 70,0    | 30,08   |       | SW      | 1    | Fine.    |
| 2      | 7     | 0  | 62,0    | 68,0    | 30,03   |       | SSW     | 1    | Fine.    |
|        | 2     | 0  | 79,0    | 72,0    | 29,96   |       | SSW     | 1    | Fine.    |
| 3      | 7     | 0  | 60,0    | 69,0    | 30,01   | 0,044 | SW      | 1    | Fine.    |
|        | 2     | 0  | 73,5    | 72,5    | 30,08   |       | NW      | 1    | Fine.    |
| 4      | 7     | 0  | 63,5    | 69,5    | 29,97   |       | SSW     | 1    | Cloudy.  |
|        | 2     | 0  | 67,0    | 70,0    | 29,90   |       | SSW     | 1    | Rain.    |
| 5      | 7     | 0  | 61,0    | 67,0    | 29,82   | 0,110 | S by E  | 1    | Rainy.   |
|        | 2     | 0  | 69,0    | 69,5    | 29,78   |       | SSW     | 1    | Showery. |
| 6      | 7     | 0  | 58,0    | 66,0    | 29,70   | 0,054 | NNW     | 1    | Rainy.   |
|        | 2     | 0  | 57,0    | 65,5    | 29,67   |       | NNW     | 1    | Rainy.   |
| 7      | 7     | 0  | 55,0    | 62,0    | 29,64   | 0,712 | NW      | 1    | Rainy.   |
|        | 2     | 0  | 64,0    | 66,0    | 29,68   |       | NW      | 1    | Rainy.   |
| 8      | 7     | 0  | 63,0    | 66,0    | 29,85   | 0,094 | N by W  | 1    | Fine.    |
|        | 2     | 0  | 72,5    | 69,0    | 29,88   |       | N by W  | 1    | Fine.    |
| 9      | 7     | 0  | 60,5    | 66,0    | 29,86   |       | NW      | 1    | Cloudy.  |
|        | 2     | 0  | 68,0    | 68,5    | 29,91   |       | NW      | 1    | Cloudy.  |
| 10     | 7     | 0  | 63,5    | 67,0    | 30,05   |       | NNW     | 1    | Cloudy.  |
|        | 2     | 0  | 72,0    | 70,5    | 30,08   |       | N by W  | 1    | Cloudy.  |
| 11     | 7     | 0  | 62,0    | 68,0    | 30,08   |       | ENE     | 1    | Cloudy.  |
|        | 2     | 0  | 76,0    | 72,5    | 30,11   |       | NNE     | 1    | Fine.    |
| 12     | 7     | 0  | 63,0    | 69,5    | 30,08   |       | SSE     | 1    | Cloudy.  |
|        | 2     | 0  | 74,5    | 72,0    | 30,08   |       | N       | 1    | Fine.    |
| 13     | 7     | 0  | 63,0    | 69,5    | 30,12   |       | S by W  | 1    | Fair.    |
|        | 2     | 0  | 75,0    | 72,0    | 30,09   |       | S by W  | 1    | Fine.    |
| 14     | 7     | 0  | 64,0    | 70,5    | 30,12   |       | E by N  | 1    | Fair.    |
|        | 2     | 0  | 77,5    | 73,5    | 30,11   |       | E by S  | 1    | Fine.    |
| 15     | 7     | 0  | 65,0    | 67,0    | 30,01   |       | SE      | 1    | Cloudy.  |
|        | 2     | 0  | 81,0    | 77,0    | 30,01   |       | SSE     | 1    | Fine.    |
| 16     | 7     | 0  | 62,0    | 71,0    | 30,05   |       | S by E  | 1    | Fair.    |
|        | 2     | 0  | 77,0    | 73,0    | 30,07   |       | SE      | 1    | Fine.    |



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|         | Time. |    | Therm.  | Therm.  | B. rom. | Rain. | Winds.  |      | Weather. |
|---------|-------|----|---------|---------|---------|-------|---------|------|----------|
|         | H.    | M. | without | within. | Inches. | Inch. | Points. | Str. |          |
| Aug. 17 | 7     | 0  | 62,0    | 69,0    | 30,09   |       | NNE     | 1    | Fine.    |
|         | 2     | 0  | 74,0    | 73,5    | 30,13   |       | NE      | 1    | Fine.    |
| 18      | 7     | 0  | 60,0    | 67,5    | 30,17   |       | NE      | 1    | Fine.    |
|         | 2     | 0  | 74,0    | 73,5    | 30,22   |       | NE      | 1    | Fine.    |
| 19      | 7     | 0  | 61,5    | 67,0    | 30,22   |       | NE      | 1    | Fine.    |
|         | 2     | 0  | 74,5    | 72,5    | 30,27   |       | SW      | 1    | Fine.    |
| 20      | 7     | 0  | 61,5    | 67,0    | 30,27   |       | NNE     | 1    | Fair.    |
|         | 2     | 0  | 75,0    | 70,0    | 30,29   |       | NNE     | 1    | Fine.    |
| 21      | 7     | 0  | 67,0    | 70,0    | 30,28   |       | ENE     | 1    | Fine.    |
|         | 2     | 0  | 78,0    | 72,0    | 30,29   |       | NE      | 1    | Fine.    |
| 22      | 7     | 0  | 65,0    | 67,0    | 30,18   |       | NNE     | 1    | Fine.    |
|         | 2     | 0  | 78,0    | 73,5    | 30,14   |       | ENE     | 1    | Fine.    |
| 23      | 7     | 0  | 63,5    | 69,5    | 30,04   |       | N by E  | 1    | Cloudy.  |
|         | 2     | 0  | 65,0    | 72,0    | 30,04   |       | NE      | 1    | Rainy.   |
| 24      | 7     | 0  | 59,0    | 67,0    | 30,07   | 0,055 | N by W  | 1    | Fine.    |
|         | 2     | 0  | 70,0    | 69,5    | 30,08   |       | NW      | 1    | Fine.    |
| 25      | 7     | 0  | 57,0    | 65,5    | 30,13   |       | NE      | 1    | Fair.    |
|         | 2     | 0  | 72,0    | 68,5    | 30,10   |       | ENE     | 1    | Fine.    |
| 26      | 7     | 0  | 60,5    | 66,0    | 30,09   |       | ENE     | 1    | Cloudy.  |
|         | 2     | 0  | 75,0    | 71,0    | 30,13   |       | NNE     | 1    | Fine.    |
| 27      | 7     | 0  | 62,5    | 65,5    | 30,07   |       | E by S  | 1    | Fair.    |
|         | 2     | 0  | 78,0    | 73,0    | 30,15   |       | SE      | 1    | Fine.    |
| 28      | 7     | 0  | 62,5    | 67,5    | 30,18   |       | SE      | 1    | Fine.    |
|         | 2     | 0  | 78,5    | 72,5    | 30,20   |       | E       | 1    | Fine.    |
| 29      | 7     | 0  | 65,5    | 71,0    | 30,23   |       | NE      | 1    | Fine.    |
|         | 2     | 0  | 84,0    | 75,0    | 30,22   |       | NE      | 1    | Fine.    |
| 30      | 7     | 0  | 64,0    | 66,5    | 30,04   |       | ENE     | 1    | Fine.    |
|         | 2     | 0  | 82,0    | 77,0    | 30,05   |       | NE      | 1    | Fine.    |
| 31      | 7     | 0  | 68,5    | 71,0    | 29,92   |       | S       | 1    | Fine.    |
|         | 2     | 0  | 84,5    | 79,0    | 29,97   |       | S       | 1    | Fine.    |

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|         | Time. |    | Therm.  | Therm.  | Barom  | Rain. | Winds.  |      | Weather. |
|---------|-------|----|---------|---------|--------|-------|---------|------|----------|
|         | H.    | M. | without | within. | Inches | Inch. | Points. | Str. |          |
| Sept. 1 | 7     | 0  | 61,0    | 72,0    | 29,94  |       | NE      | 1    | Fine.    |
|         | 2     | 0  | 79,5    | 75,5    | 29,83  |       | ENE     | 1    | Fine.    |
| 2       | 7     | 0  | 63,0    | 73,0    | 29,80  | 0,033 | WSW     | 2    | Fine.    |
|         | 2     | 0  | 72,0    | 73,5    | 29,90  |       | W by S  | 1    | Fine.    |
| 3       | 7     | 0  | 59,0    | 70,0    | 29,99  |       | NNW     | 2    | Fine.    |
|         | 2     | 0  | 74,5    | 72,0    | 29,98  |       | SSW     | 2    | Fine.    |
| 4       | 7     | 0  | 63,0    | 69,0    | 29,91  | 0,015 | SSW     | 1    | Cloudy.  |
|         | 2     | 0  | 64,0    | 71,0    | 29,96  |       | SW      | 1    | Rainy.   |
| 5       | 7     | 0  | 57,0    | 66,0    | 29,76  | 0,095 | SE      | 1    | Cloudy.  |
|         | 2     | 0  | 67,5    | 67,0    | 29,71  |       | S by E  | 1    | Cloudy.  |
| 6       | 7     | 0  | 51,5    | 63,0    | 29,92  |       | NW      | 1    | Fine.    |
|         | 2     | 0  | 66,0    | 65,0    | 30,04  |       | NW      | 1    | Cloudy.  |
| 7       | 7     | 0  | 59,0    | 63,0    | 30,03  | 0,017 | WSW     | 2    | Cloudy.  |
|         | 2     | 0  | 70,0    | 68,0    | 30,04  |       | SW      | 2    | Fine.    |
| 8       | 7     | 0  | 63,0    | 65,5    | 30,00  |       | W by S  | 2    | Cloudy.  |
|         | 2     | 0  | 72,0    | 69,0    | 30,07  |       | NW      | 2    | Fair.    |
| 9       | 7     | 0  | 55,0    | 65,5    | 30,12  |       | NW      | 1    | Fine.    |
|         | 2     | 0  | 65,0    | 66,0    | 30,13  |       | NW      | 1    | Fine.    |
| 10      | 7     | 0  | 62,0    | 64,0    | 30,07  |       | W by N  | 1    | Fair.    |
|         | 2     | 0  | 72,0    | 69,0    | 30,10  |       | N by W  | 1    | Fair.    |
| 11      | 7     | 0  | 59,5    | 64,0    | 30,17  |       | E by N  | 1    | Fine.    |
|         | 2     | 0  | 73,5    | 78,0    | 30,15  |       | S by E  | 1    | Fine.    |
| 12      | 7     | 0  | 53,5    | 60,0    | 30,03  |       | SE      | 1    | Cloudy.  |
|         | 2     | 0  | 72,0    | 66,5    | 29,98  |       | W by N  | 1    | Fine.    |
| 13      | 7     | 0  | 61,0    | 66,0    | 30,01  |       | W by S  | 1    | Fair.    |
|         | 2     | 0  | 70,0    | 69,0    | 30,07  |       | SW      | 1    | Fine.    |
| 14      | 7     | 0  | 60,0    | 65,5    | 30,01  |       | WNW     | 1    | Cloudy.  |
|         | 2     | 0  | 61,0    | 66,0    | 29,99  |       | NW      | 1    | Rainy.   |
| 15      | 7     | 0  | 53,0    | 63,0    | 29,94  | 0,316 | WSW     | 1    | Fine.    |
|         | 2     | 0  | 68,0    | 66,0    | 30,04  |       | NW      | 1    | Fine.    |
| 16      | 7     | 0  | 62,0    | 64,0    | 30,11  |       | W by S  | 1    | Fair.    |
|         | 2     | 0  | 72,0    | 69,0    | 30,20  |       | WSW     | 1    | Fine.    |

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|          | Time. |   | Therm.  | Therm   | Barom.  | Rain. | Winds.  |      | Weather. |
|----------|-------|---|---------|---------|---------|-------|---------|------|----------|
|          | H. M. |   | without | within. | Inches. | Inch. | Points. | Str. |          |
| Sept. 17 | 7     | 0 | 61,0    | 64,0    | 30,17   |       | SW      | 2    | Cloudy.  |
|          | 2     | 0 | 69,0    | 68,0    | 30,14   |       | SW      | 2    | Fine.    |
| 18       | 7     | 0 | 61,5    | 65,0    | 29,88   |       | SSW     | 2    | Fine.    |
|          | 2     | 0 | 68,0    | 64,0    | 29,73   |       | SW      | 2    | Cloudy.  |
| 19       | 7     | 0 | 55,0    | 62,0    | 29,79   | 0,259 | WSW     | 1    | Cloudy.  |
|          | 2     | 0 | 58,5    | 63,0    | 29,77   |       | WSW     | 2    | Fine.    |
| 20       | 7     | 0 | 48,0    | 58,0    | 29,91   | 0,074 | W by S  | 1    | Fine.    |
|          | 2     | 0 | 61,5    | 61,0    | 29,96   |       | W by S  | 1    | Fine.    |
| 21       | 7     | 0 | 52,0    | 58,0    | 29,95   |       | SSE     | 1    | Cloudy.  |
|          | 2     | 0 | 65,0    | 62,0    | 29,82   |       | SSW     | 1    | Showery. |
| 22       | 7     | 0 | 58,0    | 60,0    | 29,75   |       | SW      | 1    | Fair.    |
|          | 2     | 0 | 67,0    | 65,0    | 29,78   |       | SW      | 2    | Fine.    |
| 23       | 7     | 0 | 56,0    | 62,0    | 29,69   | 0,140 | SSW     | 1    | Rainy.   |
|          | 2     | 0 | 62,0    | 64,0    | 29,72   |       | SW      | 1    | Rainy.   |
| 24       | 7     | 0 | 67,0    | 63,0    | 29,56   | 0,945 | SW      | 1    | Rainy.   |
|          | 2     | 0 | 67,0    | 65,0    | 29,61   |       | SW      | 1    | Fine.    |
| 25       | 7     | 0 | 64,0    | 65,0    | 29,54   | 0,030 | SW      | 2    | Cloudy.  |
|          | 2     | 0 | 70,0    | 68,0    | 29,55   |       | SW      | 1    | Cloudy.  |
| 26       | 7     | 0 | 66,0    | 68,0    | 29,78   | 0,045 | SW      | 1    | Cloudy.  |
|          | 2     | 0 | 69,0    | 68,0    | 29,78   |       | SW      | 1    | Cloudy.  |
| 27       | 7     | 0 | 59,0    | 66,0    | 29,72   | 0,227 | SW      | 1    | Cloudy.  |
|          | 2     | 0 | 67,0    | 67,0    | 29,88   |       | SW      | 1    | Fine.    |
| 28       | 7     | 0 | 57,5    | 63,5    | 30,00   |       | S by W  | 1    | Fair.    |
|          | 2     | 0 | 66,0    | 65,5    | 30,06   |       | SW      | 1    | Fine.    |
| 29       | 7     | 0 | 59,5    | 63,5    | 29,96   | 0,036 | SSE     | 1    | Fair.    |
|          | 2     | 0 | 68,0    | 66,5    | 29,90   |       | SE      | 1    | Fine.    |
| 30       | 7     | 0 | 58,0    | 64,0    | 29,68   |       | SE      | 1    | Fine.    |
|          | 2     | 0 | 67,5    | 66,5    | 29,69   |       | SE      | 1    | Rainy.   |

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|        | Time. |    | Therm.  | Therm.  | Barom.  | Rain. | Winds.  |      | Weather.                   |
|--------|-------|----|---------|---------|---------|-------|---------|------|----------------------------|
|        | H.    | M. | without | within. | Inches. | Inch. | Points. | Str. |                            |
| Oct. 1 | 7     | 0  | 53,5    | 62,5    | 29,65   | 0,079 | NNW     | 1    | Cloudy.                    |
|        | 2     | 0  | 59,0    | 62,0    | 29,74   |       | NW      | 1    | Fine.                      |
| 2      | 7     | 0  | 45,0    | 54,0    | 29,97   | 0,079 | N by W  | 1    | Fine.                      |
|        | 2     | 0  | 54,5    | 57,0    | 30,08   |       | NW      | 1    | Fine.                      |
| 3      | 7     | 0  | 42,5    | 50,0    | 30,11   | 0,079 | NNW     | 1    | Fine.                      |
|        | 2     | 0  | 52,5    | 52,0    | 30,06   |       | NNW     | 2    | Fine.                      |
| 4      | 7     | 0  | 36,0    | 48,0    | 30,22   | 0,079 | WNW     | 1    | Fair.                      |
|        | 2     | 0  | 55,0    | 50,0    | 30,31   |       | NW      | 1    | Fine.                      |
| 5      | 7     | 0  | 39,5    | 43,5    | 30,36   | 0,079 | NE      | 1    | Fine.                      |
|        | 2     | 0  | 58,5    | 55,5    | 30,42   |       | NE      | 1    | Fine.                      |
| 6      | 7     | 0  | 50,5    | 52,0    | 30,18   | 0,039 | NNE     | 1    | Fair.                      |
|        | 2     | 0  | 57,5    | 55,5    | 30,08   |       | NE      | 1    | Rainy.                     |
| 7      | 7     | 0  | 51,5    | 53,0    | 29,86   | 0,010 | SE      | 1    | Cloudy.                    |
|        | 2     | 0  | 60,0    | 57,5    | 29,90   |       | SW      | 1    | Rainy.                     |
| 8      | 7     | 0  | 41,0    | 52,0    | 30,14   | 0,010 | SSW     | 1    | Fair.                      |
|        | 2     | 0  | 57,0    | 55,0    | 30,17   |       | SW      | 1    | Fine.                      |
| 9      | 7     | 0  | 42,0    | 50,5    | 30,03   | 0,010 | NE      | 1    | Foggy.                     |
|        | 2     | 0  | 60,5    | 58,0    | 29,96   |       | ESE     | 1    | Fine.                      |
| 10     | 7     | 0  | 54,0    | 56,0    | 29,82   | 0,266 | WSW     | 1    | Rainy.                     |
|        | 2     | 0  | 57,0    | 58,0    | 29,90   |       | NW      | 1    | Cloudy.                    |
| 11     | 7     | 0  | 44,5    | 53,0    | 30,11   | 0,048 | SW      | 1    | Fair.                      |
|        | 2     | 0  | 61,5    | 57,0    | 30,08   |       | SW      | 1    | Fine.                      |
| 12     | 7     | 0  | 58,0    | 57,0    | 29,91   | 0,030 | SSW     | 1    | Cloudy.                    |
|        | 2     | 0  | 64,0    | 59,5    | 29,91   |       | SW      | 1    | Cloudy.                    |
| 13     | 7     | 0  | 55,0    | 60,0    | 30,00   | 0,075 | WSW     | 1    | Cloudy.                    |
|        | 2     | 0  | 64,0    | 62,0    | 30,00   |       | SSW     | 1    | Fair.                      |
| 14     | 7     | 0  | 58,5    | 61,5    | 29,84   | 0,075 | SE      | 1    | Fair.                      |
|        | 2     | 0  | 63,0    | 63,0    | 29,70   |       | SE      | 1    | Cloudy.                    |
| 15     | 7     | 0  | 50,5    | 60,0    | 29,69   | 0,010 | SSW     | 1    | Fair.                      |
|        | 2     | 0  | 62,0    | 62,0    | 29,67   |       | ESE     | 1    | Cloudy.                    |
| 16     | 7     | 0  | 54,0    | 68,0    | 29,40   | 0,209 | SSE     | 3    | Much rain and wind left n. |
|        | 2     | 0  | 56,0    | 59,5    | 29,40   |       | S by W  | 2    | Showery.                   |

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|        | Time. |   | Therm.  | Therm. | Barom.  | Rain. | Winds.  |      | Weather. |
|--------|-------|---|---------|--------|---------|-------|---------|------|----------|
|        | H. M. |   | without | within | Inches. | Inch. | Points. | Str. |          |
| Oa. 17 | 7     | 0 | 47,0    | 55,0   | 29,68   | 1,070 | SW      | 1    | Fine.    |
|        | 2     | 0 | 58,5    | 57,0   | 29,87   |       | SW      | 2    | Fine.    |
| 18     | 7     | 0 | 54,0    | 55,0   | 29,88   |       | SSW     | 2    | Cloudy.  |
|        | 2     | 0 | 61,5    | 68,0   | 29,79   |       | S by W  | 2    | Fine.    |
| 19     | 7     | 0 | 56,0    | 58,0   | 29,59   |       | S by E  | 1    | Fair.    |
|        | 2     | 0 | 64,5    | 62,5   | 29,64   |       | SW      | 2    | Cloudy.  |
| 20     | 7     | 0 | 50,0    | 58,5   | 29,69   | 0,050 | SSW     | 1    | Fair.    |
|        | 2     | 0 | 58,0    | 59,0   | 29,84   |       | WSW     | 1    | Fine.    |
| 21     | 7     | 0 | 42,0    | 52,5   | 29,96   |       | NE      | 1    | Foggy.   |
|        | 2     | 0 | 54,0    | 55,5   | 29,85   |       | E by S  | 1    | Rainy.   |
| 22     | 7     | 0 | 47,0    | 53,0   | 29,97   | 0,562 | NNE     | 1    | Fair.    |
|        | 2     | 0 | 55,0    | 54,5   | 30,06   |       | N by E  | 1    | Fair.    |
| 23     | 7     | 0 | 47,0    | 51,5   | 30,14   |       | N by E  | 1    | Fair.    |
|        | 2     | 0 | 57,0    | 53,5   | 30,14   |       | NE      | 1    | Cloudy.  |
| 24     | 7     | 0 | 54,5    | 54,5   | 30,18   |       | E by S  | 1    | Cloudy.  |
|        | 2     | 0 | 60,0    | 56,5   | 30,17   |       | SE      | 1    | Cloudy.  |
| 25     | 7     | 0 | 54,5    | 60,0   | 30,15   |       | SW      | 1    | Fair.    |
|        | 2     | 0 | 64,0    | 62,0   | 30,07   |       | WSW     | 1    | Fair.    |
| 26     | 7     | 0 | 57,0    | 59,0   | 29,95   |       | WSW     | 1    | Fair.    |
|        | 2     | 0 | 61,5    | 62,0   | 29,91   |       | WSW     | 1    | Rainy.   |
| 27     | 7     | 0 | 53,0    | 58,0   | 29,89   | 0,134 | WSW     | 1    | Rainy.   |
|        | 2     | 0 | 55,5    | 58,0   | 29,95   |       | SW      | 1    | Fine.    |
| 28     | 7     | 0 | 56,0    | 55,0   | 29,69   | 0,130 | SW      | 2    | Cloudy.  |
|        | 2     | 0 | 57,0    | 57,0   | 29,68   |       | SW      | 2    | Rainy.   |
| 29     | 7     | 0 | 47,5    | 53,0   | 30,06   | 0,221 | WSW     | 1    | Fair.    |
|        | 2     | 0 | 55,5    | 56,0   | 30,12   |       | NW      | 1    | Fine.    |
| 30     | 7     | 0 | 55,0    | 56,0   | 30,12   |       | NNW     | 1    | Fair.    |
|        | 2     | 0 | 62,0    | 59,0   | 30,21   |       | NW      | 1    | Fair.    |
| 31     | 7     | 0 | 54,0    | 57,0   | 30,35   |       | N by W  | 1    | Fair.    |
|        | 2     | 0 | 57,5    | 58,5   | 30,35   |       | SW      | 1    | Cloudy.  |

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|        | Time. |    | Therm.  | Therm.  | Barom.  | Rain. | Winds.  |      | Weather.            |
|--------|-------|----|---------|---------|---------|-------|---------|------|---------------------|
|        | H.    | M. | without | within. | Inches. | Inch. | Points. | Str. |                     |
| Nov. 1 | 8     | 0  | 52,5    | 56,5    | 30,30   |       | SE      | 1    | Foggy.              |
|        | 2     | 0  | 59,0    | 58,0    | 30,24   |       | SSE     | 1    | Cloudy.             |
| 2      | 8     | 0  | 50,0    | 53,5    | 30,09   |       | NNE     | 1    | Foggy.              |
|        | 2     | 0  | 57,0    | 56,5    | 30,09   |       | NW      | 1    | Cloudy.             |
| 3      | 8     | 0  | 51,5    | 54,5    | 30,19   |       | SSW     | 1    | Fair.               |
|        | 2     | 0  | 55,0    | 55,5    | 30,21   |       | SSE     | 1    | Cloudy.             |
| 4      | 8     | 0  | 55,0    | 56,0    | 30,10   | 0,020 | SW      | 1    | Cloudy.             |
|        | 2     | 0  | 55,5    | 58,0    | 30 18   |       | NW      | 1    | Fine.               |
| 5      | 8     | 0  | 52,0    | 56,5    | 30,11   | 0,062 | WSW     | 1    | Rainy.              |
|        | 2     | 0  | 56,0    | 57,0    | 30,11   |       | SW      | 1    | Cloudy.             |
| 6      | 8     | 0  | 46,5    | 54,0    | 30,21   |       | WSW     | 1    | Fair.               |
|        | 2     | 0  | 53,5    | 55,0    | 30,22   |       | NW      | 1    | Fine.               |
| 7      | 8     | 0  | 50,0    | 43,5    | 30,20   |       | W by N  | 1    | Fair.               |
|        | 2     | 0  | 69,5    | 65,5    | 30,18   |       | NNW     | 1    | Cloudy.             |
| 8      | 8     | 0  | 52,0    | 55,0    | 30,24   |       | W by S  | 1    | Foggy.              |
|        | 2     | 0  | 55,0    | 55,5    | 30,24   |       | NW      | 1    | Cloudy.             |
| 9      | 8     | 0  | 44,5    | 53,5    | 30,33   |       | W by S  | 1    | Fair.               |
|        | 2     | 0  | 52,0    | 53,5    | 30,38   |       | NW      | 1    | Cloudy.             |
| 10     | 8     | 0  | 45,5    | 51,0    | 30,25   | 0,264 | NNE     | 1    | Cloudy.             |
|        | 2     | 0  | 46,0    | 50,0    | 30,28   |       | NW      | 1    | Cloudy.             |
| 11     | 8     | 0  | 46,0    | 48,0    | 30,10   |       | W by N  | 1    | Fair.               |
|        | 2     | 0  | 50,0    | 50,0    | 30,07   |       | NW      | 1    | showery and cloudy. |
| 12     | 8     | 0  | 44,5    | 46,5    | 29,92   |       | SW      | 1    | Rainy.              |
|        | 2     | 0  | 52,5    | 49,5    | 29,76   |       | WNW     | 1    | showery.            |
| 13     | 8     | 0  | 43,5    | 47,5    | 29,56   | 0,100 | NW      | 1    | Fai                 |
|        | 2     | 0  | 45,0    | 48,0    | 29 44   |       | SW      | 1    | Cloudy.             |
| 14     | 8     | 0  | 32,0    | 42,0    | 29,28   | 1,145 | W by N  | 2    | Fair.               |
|        | 2     | 0  | 40,5    | 42,5    | 29,22   |       | NW      | 2    | Rain and snow.      |
| 15     | 8     | 0  | 36,0    | 40,0    | 28,99   | 0,122 | WNW     | 1    | Fair.               |
|        | 2     | 0  | 38,0    | 41,0    | 29,00   |       | SW      | 1    | Cloudy and rain.    |
| 16     | 8     | 0  | 34,0    | 39,0    | 29,39   | 0,122 | WNW     | 1    | Fair.               |
|        | 2     | 0  | 41,5    | 41,0    | 29,45   |       | WNW     | 1    | Rainy.              |

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|         | Time. |    | Therm.  | Therm.  | Barom.  | Rain. | Winds.  |      | Weather.             |
|---------|-------|----|---------|---------|---------|-------|---------|------|----------------------|
|         | H.    | M. | without | within. | Inches. | Inch. | Points. | Str. |                      |
| Nov. 17 | 8     | 0  | 37,0    | 39,5    | 29,58   | 0,018 | NNW     | 1    | Cloudy.              |
|         | 2     | 0  | 40,0    | 40,0    | 29,52   |       | NW      | 1    | Cloudy.              |
| 18      | 8     | 0  | 32,0    | 38,0    | 29,58   |       | NE      | 1    | Cloudy.              |
|         | 2     | 0  | 37,0    | 38,5    | 29,62   |       | NW      | 1    | Fine.                |
| 19      | 8     | 0  | 30,0    | 37,0    | 29,64   |       | W by N  | 1    | Foggy.               |
|         | 2     | 0  | 40,5    | 39,0    | 29,58   |       | W by N  | 1    | Fine.                |
| 20      | 8     | 0  | 32,5    | 37,0    | 29,46   |       | SSW     | 1    | Cloudy.              |
|         | 2     | 0  | 37,0    | 38,0    | 29,29   |       | SW      | 1    | Cloudy.              |
| 21      | 8     | 0  | 35,0    | 36,5    | 29,09   | 0,160 | NW      | 1    | Cloudy.              |
|         | 2     | 0  | 42,5    | 39,5    | 29,15   |       | NE      | 1    | Cloudy.              |
| 22      | 8     | 0  | 36,0    | 38,0    | 29,25   |       | NNW     | 1    | Cloudy.              |
|         | 2     | 0  | 40,5    | 41,5    | 29,26   |       | WSW     | 1    | Fair.                |
| 23      | 8     | 0  | 29,0    | 36,5    | 29,20   |       | SSW     | 1    | Fair.                |
|         | 2     | 0  | 34,0    | 37,0    | 29,22   |       | SW      | 1    | Fine.                |
| 24      | 8     | 0  | 34,0    | 35,5    | 29,38   |       | W by S  | 1    | Foggy.               |
|         | 2     | 0  | 37,5    | 40,5    | 29,45   |       | WSW     | 1    | Foggy and sun-shine. |
| 25      | 8     | 0  | 36,0    | 36,5    | 29,15   | 0,245 | ESE     | 1    | Rainy.               |
|         | 2     | 0  | 40,0    | 37,0    | 29,09   |       | ESE     | 1    | Cloudy and rainy.    |
| 26      | 8     | 0  | 43,0    | 38,0    | 28,75   | 0,237 | W       | 1    | Rainy.               |
|         | 2     | 0  | 41,0    | 40,5    | 28,93   |       | W       | 1    | Cloudy.              |
| 27      | 8     | 0  | 33,0    | 38,0    | 29,03   | 0,044 | ENE     | 1    | Cloudy.              |
|         | 2     | 0  | 59,0    | 38,0    | 28,92   |       | NE      | 2    | Rainy.               |
| 28      | 8     | 0  | 48,0    | 43,0    | 28,84   | 0,467 | SSW     | 2    | Fair.                |
|         | 2     | 0  | 48,0    | 46,0    | 28,97   |       | SSW     | 2    | Rainy.               |
| 29      | 8     | 0  | 35,0    | 40,0    | 28,96   | 0,580 | N by W  | 1    | Rainy.               |
|         | 2     | 0  | 43,0    | 43,0    | 29,22   |       | NW      | 1    | Fine.                |
| 30      | 8     | 0  | 37,0    | 42,0    | 29,20   | 0,189 | W by N  | 2    | Fair.                |
|         | 2     | 0  | 45,0    | 44,0    | 29,78   |       | SW      | 2    | Fine.                |

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|        | Time. |    | Therm.  | Therm.  | Barom.  | Rain. | Winds.  |      | Weather.                  |
|--------|-------|----|---------|---------|---------|-------|---------|------|---------------------------|
|        | H.    | M. | without | within. | Inches. | Inch. | Points. | Str. |                           |
| Dec. 1 | 8     | 0  | 43,5    | 43,5    | 29,45   |       | SW      | 1    | Cloudy.                   |
|        | 2     | 0  | 48,0    | 48,0    | 29,51   |       | SW      | 1    | Cloudy.                   |
| 2      | 8     | 0  | 55,5    | 49,5    | 29,26   | 0,236 | SW      | 2    | Rainy.                    |
|        | 2     | 0  | 58,0    | 52,0    | 29,24   |       | SW      | 2    | Rainy and windy.          |
| 3      | 8     | 0  | 53,5    | 55,0    | 29,29   | 0,253 | W by N  | 3    | Much wind and rain last n |
|        | 2     | 0  | 50,0    | 54,5    | 29,57   |       | SW      | 2    | Fine.                     |
| 4      | 8     | 0  | 36,5    | 46,5    | 29,65   | 0,470 | SW      | 2    | Fair.                     |
|        | 2     | 0  | 42,0    | 47,0    | 29,85   |       | SW      | 2    | Fine.                     |
| 5      | 8     | 0  | 33,0    | 42,0    | 30,07   |       | NW      | 1    | Fair.                     |
|        | 2     | 0  | 38,5    | 42,0    | 30,13   |       | NW      | 1    | Fine.                     |
| 6      | 8     | 0  | 31,5    | 38,0    | 30,27   |       | W by S  | 1    | Foggy.                    |
|        | 2     | 0  | 35,0    | 45,0    | 30,29   |       | SE      | 1    | Foggy.                    |
| 7      | 8     | 0  | 40,0    | 38,0    | 29,70   |       | SSW     | 1    | Cloudy.                   |
|        | 2     | 0  | 45,0    | 41,0    | 29,52   |       | SW      | 1    | Rainy and foggy.          |
| 8      | 8     | 0  | 40,0    | 43,0    | 29,67   | 0,722 | NNE     | 2    | Cloudy.                   |
|        | 2     | 0  | 39,0    | 42,5    | 29,88   |       | NE      | 1    | Fine.                     |
| 9      | 8     | 0  | 36,5    | 38,5    | 29,85   | 0,047 | SSW     | 1    | Rainy.                    |
|        | 2     | 0  | 46,5    | 41,5    | 29,66   |       | SW      | 1    | Rainy.                    |
| 10     | 8     | 0  | 47,0    | 46,0    | 29,75   | 0,439 | S by W  | 1    | Cloudy.                   |
|        | 2     | 0  | 44,0    | 47,5    | 29,75   |       | SW      | 1    | Rainy and cloudy.         |
| 11     | 8     | 0  | 47,0    | 49,0    | 29,75   | 0,110 | SW      | 1    | Cloudy.                   |
|        | 2     | 0  | 48,0    | 50,0    | 29,81   |       | NW      | 1    | Fine.                     |
| 12     | 8     | 0  | 43,0    | 46,5    | 29,56   | 0,030 | E       | 1    | Rainy.                    |
|        | 2     | 0  | 50,0    | 48,0    | 29,45   |       | NW      | 1    | Rainy.                    |
| 13     | 8     | 0  | 45,5    | 47,5    | 29,16   | 0,125 | SSW     | 2    | Cloudy.                   |
|        | 2     | 0  | 45,0    | 48,0    | 29,06   |       | SSW     | 2    | Rainy.                    |
| 14     | 8     | 0  | 38,0    | 44,0    | 29,41   | 0,913 | W by S  | 2    | Fair.                     |
|        | 2     | 0  | 42,5    | 44,5    | 29,57   |       | WSW     | 2    | Fine.                     |
| 15     | 8     | 0  | 34,0    | 40,0    | 29,91   |       | S by W  | 1    | Cloudy and foggy.         |
|        | 2     | 0  | 37,0    | 41,0    | 29,88   |       | S by W  | 1    | Snow and foggy.           |
| 16     | 8     | 0  | 34,5    | 38,0    | 29,75   | 0,193 | NE      | 1    | Cloudy and foggy.         |
|        | 2     | 0  | 41,0    | 40,0    | 29,64   |       | NE      | 1    | Cloudy and foggy.         |



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|         | Time. |    | Therm.  | Therm.  | Barom.  | Rain. | Winds.  |      | Weather.          |
|---------|-------|----|---------|---------|---------|-------|---------|------|-------------------|
|         | H.    | M. | without | within. | Inches. | Inch. | Points. | Str. |                   |
| Dec. 17 | 8     | 0  | 49,0    | 46,0    | 29,58   | 0,140 | WSW     | 1    | Foggy.            |
|         | 2     | 0  | 53,0    | 58,5    | 29,60   |       | WSW     | 1    | Cloudy and rain.  |
| 18      | 8     | 0  | 51,0    | 50,5    | 29,62   | 0,398 | SW      | 1    | Cloudy.           |
|         | 2     | 0  | 54,0    | 52,0    | 29,65   |       | SW      | 1    | Fine.             |
| 19      | 8     | 0  | 50,0    | 51,0    | 29,48   | 0,034 | SW      | 2    | Cloudy.           |
|         | 2     | 0  | 52,0    | 53,0    | 29,47   |       | SW      | 2    | Cloudy.           |
| 20      | 8     | 0  | 48,0    | 52,0    | 28,91   | 0,201 | SSW     | 2    | Fair.             |
|         | 2     | 0  | 50,0    | 52,5    | 28,85   |       | SW      | 2    | Fine.             |
| 21      | 8     | 0  | 44,0    | 49,5    | 29,00   | 0,179 | SSE     | 1    | Cloudy.           |
|         | 2     | 0  | 49,0    | 50,5    | 28,91   |       | SSE     | 1    | Fine.             |
| 22      | 8     | 0  | 30,0    | 42,0    | 29,89   | 0,268 | NNW     | 1    | Fair.             |
|         | 2     | 0  | 31,5    | 42,0    | 29,13   |       | NW      | 1    | Fine.             |
| 23      | 8     | 0  | 31,0    | 37,0    | 29,40   |       | W by S  | 1    | Frofty.           |
|         | 2     | 0  | 34,5    | 38,0    | 29,43   |       | SSW     | 1    | Fine.             |
| 24      | 8     | 0  | 26,5    | 35,0    | 29,63   |       | SSE     | 1    | Foggy and frofty. |
|         | 2     | 0  | 31,0    | 35,5    | 29,64   |       | NNW     | 1    | Fine and frofty.  |
| 25      | 8     | 0  | 20,0    | 31,0    | 29,82   |       | WNW     | 1    | Frofty.           |
|         | 2     | 0  | 28,5    | 31,5    | 29,88   |       | NW      | 1    | Fine and frofty.  |
| 26      | 8     | 0  | 20,0    | 28,0    | 30,04   |       | W by N  | 1    | Frofty.           |
|         | 2     | 0  | 32,0    | 30,0    | 30,07   |       | NW      | 1    | Frofty and foggy  |
| 27      | 8     | 0  | 33,0    | 32,0    | 29,98   |       | NNE     | 1    | Cloudy.           |
|         | 2     | 0  | 35,0    | 33,0    | 29,91   |       | NE      | 1    | Foggy and snow.   |
| 28      | 8     | 0  | 36,0    | 35,0    | 29,81   | 0,095 | NE      | 1    | Cloudy.           |
|         | 2     | 0  | 36,0    | 35,0    | 29,91   |       | NE      | 1    | Foggy and rain.   |
| 29      | 8     | 0  | 36,0    | 36,5    | 30,13   | 0,030 | NE      | 1    | Cloudy.           |
|         | 2     | 0  | 38,0    | 36,0    | 30,19   |       | NE      | 1    | Cloudy.           |
| 30      | 8     | 0  | 35,0    | 36,0    | 30,30   |       | ESE     | 1    | Cloudy.           |
|         | 2     | 0  | 47,0    | 37,0    | 30,33   |       | SSE     | 1    | Fine.             |
| 31      | 8     | 0  | 29,0    | 35,0    | 30,24   |       | E       | 1    | Foggy and frofty. |
|         | 2     | 0  | 34,0    | 36,0    | 30,26   |       | E       | 1    | Fine.             |

| 1779       | Thermometer without. |               |              | Thermometer within. |               |              | Barometer.       |               |              | Rain.   |
|------------|----------------------|---------------|--------------|---------------------|---------------|--------------|------------------|---------------|--------------|---------|
|            | Greatest Height.     | Least Height. | Mean Height. | Greatest Height.    | Least Height. | Mean Height. | Greatest Height. | Least Height. | Mean Height. | Inches. |
| January    | 50,0                 | 25,0          | 37,2         | 48,5                | 31,5          | 38,2         | 30,61            | 29,63         | 30,24        | 0,216   |
| February   | 60,5                 | 37,0          | 47,9         | 53,5                | 44,0          | 48,8         | 30,53            | 29,84         | 30,26        | 0,239   |
| March      | 73,0                 | 33,0          | 49,2         | 56,0                | 35,0          | 48,1         | 30,63            | 29,63         | 30,19        | 0,523   |
| April      | 78,0                 | 38,0          | 53,8         | 64,0                | 47,0          | 54,8         | 30,59            | 29,43         | 29,96        | 1,224   |
| May        | 82,5                 | 41,5          | 58,4         | 79,0                | 45,0          | 59,4         | 30,27            | 29,51         | 29,89        | 1,708   |
| June       | 75,0                 | 52,5          | 61,7         | 69,0                | 51,5          | 64,0         | 30,22            | 29,48         | 29,92        | 2,476   |
| July       | 85,0                 | 57,0          | 68,0         | 81,0                | 63,0          | 69,5         | 30,42            | 29,30         | 29,91        | 6,401   |
| August     | 84,5                 | 55,0          | 67,4         | 79,0                | 62,0          | 69,4         | 30,29            | 29,64         | 30,05        | 1,074   |
| September  | 79,0                 | 52,0          | 63,4         | 78,0                | 58,0          | 65,3         | 30,20            | 29,54         | 29,87        | 2,232   |
| October    | 64,5                 | 36,0          | 54,2         | 68,0                | 43,5          | 56,8         | 30,42            | 29,54         | 29,96        | 3,031   |
| November   | 69,5                 | 29,0          | 44,2         | 65,5                | 35,5          | 45,5         | 30,39            | 28,75         | 29,62        | 2,778   |
| December   | 58,0                 | 20,0          | 42,1         | 58,5                | 28,0          | 42,0         | 30,33            | 28,85         | 29,50        | 4,883   |
| Whole Year |                      |               | 53,9         |                     |               | 55,1         |                  |               | 29,43        | 26,785  |

VARIATION NEEDLE.

| Month.                              | 7 h.<br>A.M. | 12 h.<br>M | 2 h.<br>P.M. | 10 or 11 h.<br>P.M. |
|-------------------------------------|--------------|------------|--------------|---------------------|
| July 2                              | 22° 19'      | 22° 29'    | 22° 38'      | 22° 31'             |
| 3                                   | 22 16        | 22 13      | 22 35        | 22 27               |
| 4                                   | 22 25        | 22 35      | 22 21        | 22 28               |
| 5                                   | 22 27        | 22 34      | 22 38        | 22 25               |
| 6                                   | 22 18        | 22 34      | 22 37        | 22 54               |
| 7                                   | 22 25        | 22 40      | 22 38        | 22 17               |
| 8                                   | 22 15        | 22 34      | 22 25        | 22 34               |
| 9                                   | 22 32        | 22 39      | 22 49        | 22 39               |
| 10                                  | 22 18        | 22 28      | 22 16        | 22 34               |
| 11                                  | 22 19        | 22 31      | 22 34        | 22 32               |
| 12                                  | 22 22        | 22 37      | 22 41        | 22 30               |
| 13                                  | 22 21        | 22 44      | 22 30        | 22 25               |
| 14                                  | 22 17        | 22 34      | 22 00        | 22 14               |
| 15                                  | 22 24        | 22 39      | 22 41        | 22 47               |
| Means                               | 22 21        | 22 34      | 22 32        | 22 31               |
| Mean of all 22° 29' $\frac{1}{2}$ . |              |            |              |                     |

Mean, allowing for the error of the instrument, *vide* vol. LXVI. p. 382. and vol. LXIX. p. 321. = 22° 28'.

Therefore, as the variation at the Society's house seems to be 15' $\frac{1}{2}$  greater than it ought to be by reason of the magnetism of the building (*vide* same place) the true variation seems to be 22° 4' $\frac{1}{2}$ .

DIPPING NEEDLE.

| Month. | 7 h.<br>A.M. | 12 h.<br>M. | 2 h.<br>P.M. | 10 or 11 h.<br>P.M. | Mean.   |                          |
|--------|--------------|-------------|--------------|---------------------|---------|--------------------------|
| July 2 | 72° 30'      | 72° 45'     | 72° 45'      | 72° 45'             | ° ' /   |                          |
| 3      | 72° 50'      | 72° 45'     | 72° 50'      | 72° 45'             | 72° 46' | West marked<br>end up.   |
| 4      | 72° 50'      | 72° 45'     | 72° 45'      | 72° 50'             |         |                          |
| 5      | 72° 50'      | 72° 50'     | 72° 45'      | 72° 40'             |         |                          |
| 6      | 72° 50'      | 71° 55'     | 71° 50'      | 71° 55'             | 71° 55' | East marked<br>end up.   |
| 7      | 71° 59'      | 71° 59'     | 71° 50'      | 71° 59'             |         |                          |
| 8      | 71° 59'      | 71° 50'     | 72° 0'       | 72° 10'             | 72° 7'  | West marked<br>end down. |
| 9      | 72° 0'       | 72° 5'      | 71° 50'      | 72° 10'             |         |                          |
| 10     | 72° 10'      | 72° 10'     | 72° 10'      | 72° 10'             |         |                          |
| 11     | 72° 10'      | 72° 10'     | 72° 15'      | 72° 10'             | 72° 36' | East marked<br>end down. |
| 12     | 72° 50'      | 72° 40'     | 72° 40'      | 72° 40'             |         |                          |
| 13     | 72° 30'      | 72° 40'     | 72° 30'      | 72° 35'             |         |                          |
| 14     | 72° 50'      | 72° 50'     | 72° 10'      | 72° 30'             | 72° 21' |                          |
| 15     | 72° 30'      | 72° 40'     | 72° 30'      | 72° 40'             |         |                          |
|        |              |             |              |                     |         |                          |