

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

| UPPER MARLBORO |               |                    |         |                    | PRINCE GEORGE MD |                                     |                                 |                                     |                | 7:00 AM          | December 2018 | EASTERN |         |      |         | REMARKS              |                       |                          | AVERAGE          |  |  | SOLAR RADIATION |  |  |
|----------------|---------------|--------------------|---------|--------------------|------------------|-------------------------------------|---------------------------------|-------------------------------------|----------------|------------------|---------------|---------|---------|------|---------|----------------------|-----------------------|--------------------------|------------------|--|--|-----------------|--|--|
| DATE           | TEMPERATURE F |                    |         |                    | present          | RAIN,<br>MELTED<br>PRECIP<br>INCHES | SNOW,<br>ICE,<br>HAIL<br>INCHES | SNOW,<br>ICE ON<br>GROUND<br>INCHES | EVAP<br>INCHES | reading<br>after | WATER TEMP F  |         |         |      | REMARKS | WIND<br>SPEED<br>MPH | watts<br>per<br>sq ft | time<br>occurrence       |                  |  |  |                 |  |  |
|                | maximum       | time<br>occurrence | minimum | time<br>occurrence |                  |                                     |                                 |                                     |                |                  | maximum       | time    | minimum | time |         |                      |                       |                          |                  |  |  |                 |  |  |
| 1              | 46            |                    | 25      |                    | 31               | 0.00                                |                                 |                                     |                |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 2              | 46            |                    | 31      |                    | 43               | 0.32                                |                                 |                                     |                |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 3              | 60            |                    | 45      |                    | 49               | 0.02                                |                                 |                                     | 3.10           |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 4              | 60            |                    | 36      |                    | 38               | 0.00                                |                                 |                                     |                |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 5              | 43            |                    | 25      |                    | 29               | 0.00                                |                                 |                                     |                |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 6              | 38            |                    | 21      |                    | 30               | 0.00                                |                                 |                                     | 2.91           |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 7              | 43            |                    | 26      |                    | 29               | 0.00                                |                                 |                                     | Frozen         |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 8              | 42            |                    | 16      |                    | 18               | 0.00                                |                                 |                                     |                |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 9              | 38            |                    | 18      |                    | 27               | 0.00                                |                                 |                                     |                |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 10             | 33            |                    | 25      |                    | 26               | 0.00                                |                                 |                                     | Frozen         |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 11             | 38            |                    | 18      |                    | 20               | 0.00                                |                                 |                                     | Frozen         |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 12             | 43            |                    | 23      |                    | 26               | 0.00                                |                                 |                                     | Frozen         |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 13             | 46            |                    | 29      |                    | 32               | 0.00                                |                                 |                                     | Frozen         |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 14             | 52            |                    | 30      |                    | 32               | 0.00                                |                                 |                                     | Frozen         |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 15             |               |                    |         |                    |                  | 0.00                                |                                 |                                     |                |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 16             |               |                    |         |                    |                  | 0.00                                |                                 |                                     |                |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 17             | 55            |                    | 33      |                    | 39               | 3.23                                |                                 |                                     | O.F.           | 2.89             |               |         |         |      |         |                      |                       | three day max min & rain |                  |  |  |                 |  |  |
| 18             | 54            |                    | 33      |                    | 33               | 0.00                                |                                 |                                     |                |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 19             | 45            |                    | 20      |                    | 26               | 0.00                                |                                 |                                     | Frozen         |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 20             | 49            |                    | 26      |                    | 33               | 0.00                                |                                 |                                     | Frozen         |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 21             | 62            |                    | 33      |                    | 60               | 0.71                                |                                 |                                     |                |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 22             | 65            |                    | 41      |                    | 44               | 0.02                                |                                 |                                     |                |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 23             | 53            |                    | 27      |                    | 28               | 0.00                                |                                 |                                     | 3.44           |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 24             | 51            |                    | 28      |                    | 34               | 0.00                                |                                 |                                     |                |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 25             | 46            |                    | 27      |                    | 28               | 0.00                                |                                 |                                     |                |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 26             | 42            |                    | 19      |                    | 21               | 0.00                                |                                 |                                     |                |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 27             | 47            |                    | 21      |                    | 23               | 0.00                                |                                 |                                     |                |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 28             | 50            |                    | 23      |                    | 49               | 0.45                                |                                 |                                     |                |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 29             | 58            |                    | 39      |                    | 39               | 0.77                                |                                 |                                     |                |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 30             | 56            |                    | 33      |                    | 35               | 0.00                                |                                 |                                     | 4.34           |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| 31             | 48            |                    | 28      |                    | 37               | 0.00                                |                                 |                                     |                |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
| Average        | 49            |                    | 28      |                    | 33               | Total                               | 5.52                            | 0.0                                 |                |                  | #DIV/0!       |         |         |      |         |                      |                       | #DIV/0!                  | #DIV/0!          |  |  |                 |  |  |
|                |               |                    |         |                    |                  | Greatest                            | 3.23                            | 0.0                                 |                |                  |               |         |         |      |         |                      |                       |                          |                  |  |  |                 |  |  |
|                |               |                    |         |                    |                  |                                     |                                 |                                     |                |                  |               |         |         |      |         |                      |                       |                          | S. No. 18-9070-4 |  |  |                 |  |  |