

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

| UPPER MARLBORO |               | PRINCE GEORGE MD   |         |                    |         |                                     | 7:00 AM                         | September 2015                      | EASTERN |                  |              |                    |         | REMARKS            | AVERAGE | SOLAR RADIATION      |                       |                    |
|----------------|---------------|--------------------|---------|--------------------|---------|-------------------------------------|---------------------------------|-------------------------------------|---------|------------------|--------------|--------------------|---------|--------------------|---------|----------------------|-----------------------|--------------------|
| DATE           | TEMPERATURE F |                    |         |                    |         | RAIN,<br>MELTED<br>PRECIP<br>INCHES | SNOW,<br>ICE,<br>HAIL<br>INCHES | SNOW,<br>ICE ON<br>GROUND<br>INCHES | EVAP    |                  | 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 | present |                                     |                                 |                                     | INCHES  | reading<br>after | maximum      | time<br>occurrence | minimum | time<br>occurrence |         |                      |                       |                    |
| 9 1            | 89            | 1553               | 67      | 513                | 71      | 0.00                                |                                 |                                     | 1.34    | 1.74             | 89           | 1549               | 69      | 608                |         | 0.52                 | 1.89                  | 1431               |
| 9 2            | 94            | 1356               | 69      | 335                | 72      | 0.00                                |                                 |                                     | 1.58    |                  | 98           | 1424               | 69      | 702                |         | 0.52                 | 2.00                  | 1320               |
| 9 3            | 93            | 1333               | 67      | 548                | 71      | 0.03                                |                                 |                                     | 1.50    |                  | 94           | 1338               | 70      | 632                |         | 0.52                 | 1.99                  | 1256               |
| 9 4            | 94            | 1405               | 68      | 546                | 71      | 0.02                                |                                 |                                     | 1.39    | 1.78             | 97           | 1418               | 71      | 702                |         | 0.52                 | 2.19                  | 1252               |
| 9 5            | 91            | 1241               | 71      | 702                | 72      | 0.00                                |                                 |                                     |         |                  | 95           | 1347               | 71      | 700                |         | 0.52                 | 2.43                  | 1221               |
| 9 6            | 85            | 1433               | 60      | 608                | 64      | 0.00                                |                                 |                                     |         |                  | 92           | 1458               | 65      | 646                |         | 0.52                 | 2.41                  | 1144               |
| 9 7            | 85            | 1512               | 61      | 414                | 66      | 0.00                                |                                 |                                     |         |                  | 92           | 1439               | 64      | 629                |         | 0.52                 | 1.97                  | 1222               |
| 9 8            | 92            | 1356               | 66      | 700                | 71      | 0.00                                |                                 |                                     | 1.11    | 1.51             | 97           | 1448               | 64      | 701                |         | 0.52                 | 2.20                  | 1211               |
| 9 9            | 93            | 1314               | 71      | 701                | 74      | 0.00                                |                                 |                                     | 1.29    | 1.7              | 96           | 1445               | 69      | 708                |         | 0.52                 | 2.05                  | 1252               |
| 9 10           | 96            | 1336               | 72      | 611                | 73      | 0.00                                |                                 |                                     | 1.52    |                  | 98           | 1413               | 72      | 700                |         | 0.52                 | 2.08                  | 1146               |
| 9 11           | 89            | 1107               | 65      | 554                | 67      | 0.23                                |                                 |                                     | 1.63    | 2.02             | 90           | 1242               | 64      | 645                |         | 0.52                 | 2.69                  | 1221               |
| 9 12           | 86            | 1447               | 60      | 530                | 63      | 0.00                                |                                 |                                     |         |                  | 91           | 1451               | 64      | 700                |         | 0.52                 | 1.81                  | 1209               |
| 9 13           | 75            | 1406               | 61      | 359                | 62      | 0.00                                |                                 |                                     |         |                  | 76           | 1555               | 61      | 700                |         | 0.52                 | 0.73                  | 1108               |
| 9 14           | 74            | 1244               | 50      | 344                | 55      | 0.12                                |                                 |                                     | 1.77    |                  | 80           | 1244               | 53      | 634                |         | 0.52                 | 2.84                  | 1115               |
| 9 15           | 79            | 1620               | 51      | 611                | 54      | 0.00                                |                                 |                                     | 1.59    |                  | 83           | 1444               | 53      | 701                |         | 0.52                 | 1.85                  | 1159               |
| 9 16           | 85            | 1456               | 52      | 535                | 55      | 0.00                                |                                 |                                     |         |                  | 88           | 1457               | 56      | 700                |         | 0.52                 | 1.81                  | 1211               |
| 9 17           | 88            | 1336               | 54      | 537                | 56      | 0.00                                |                                 |                                     | 1.27    | 1.67             | 91           | 1436               | 58      | 703                |         | 0.52                 | 1.79                  | 1202               |
| 9 18           | 87            | 1356               | 56      | 617                | 58      | 0.00                                |                                 |                                     | 1.50    | 1.89             | 91           | 1449               | 59      | 716                |         | 0.52                 | 1.85                  | 1206               |
| 9 19           | 87            | 1236               | 58      | 700                | 67      | 0.00                                |                                 |                                     |         |                  | 90           | 1422               | 61      | 701                |         | 0.52                 | 1.84                  | 1210               |
| 9 20           | 87            | 1311               | 64      | 248                | 68      | 0.00                                |                                 |                                     |         |                  | 90           | 1423               | 65      | 700                |         | 0.52                 | 1.98                  | 1121               |
| 9 21           | 79            | 1405               | 61      | 333                | 62      | 0.00                                |                                 |                                     | 1.42    | 1.81             | 83           | 1517               | 59      | 635                |         | 0.52                 | 2.26                  | 1335               |
| 9 22           | 69            | 1153               | 58      | 434                | 60      | 0.03                                |                                 |                                     | 1.80    |                  | 70           | 1418               | 60      | 701                |         | 0.52                 | 1.44                  | 959                |
| 9 23           | 73            | 1253               | 57      | 610                | 59      | 0.00                                |                                 |                                     | 1.71    |                  | 76           | 1405               | 59      | 648                |         | 0.52                 | 2.66                  | 1241               |
| 9 24           | 77            | 1506               | 52      | 530                | 54      | 0.00                                |                                 |                                     | 1.55    |                  | 84           | 1445               | 56      | 636                |         | 0.52                 | 1.89                  | 1111               |
| 9 25           | 81            | 1337               | 54      | 700                | 61      | 0.00                                |                                 |                                     |         |                  | 82           | 1504               | 56      | 707                |         | 0.52                 | 2.12                  | 1138               |
| 9 26           | 73            | 1002               | 61      | 700                | 63      | 0.00                                |                                 |                                     |         |                  | 72           | 1409               | 58      | 701                |         | 0.52                 | 0.97                  | 956                |
| 9 27           | 74            | 1336               | 60      | 154                | 62      | 0.00                                |                                 |                                     |         |                  | 74           | 1405               | 58      | 516                |         | 0.52                 | 1.83                  | 1118               |
| 9 28           | 76            | 1510               | 62      | 704                | 66      | 0.00                                |                                 |                                     | 1.15    |                  | 77           | 1508               | 58      | 700                |         | 0.52                 | 2.46                  | 1114               |
| 9 29           | 83            | 1401               | 66      | 700                | 70      | 0.00                                |                                 |                                     | 1.07    | 1.46             | 85           | 1413               | 66      | 701                |         | 0.52                 | 2.37                  | 1122               |
| 9 30           | 80            | 1125               | 70      | 700                | 73      | 2.71                                |                                 |                                     | 4.00    |                  | 79           | 1416               | 69      | 702                |         | 0.52                 | 0.67                  | 844                |
| Average        | 84            |                    | 61      |                    | 65      | Total                               | 3.14                            | 0.0                                 |         |                  | 87           |                    | 63      |                    |         | 0.52                 | 1.97                  |                    |
|                |               |                    |         |                    |         | Greatest                            | 2.71                            | 0.0                                 |         |                  |              |                    |         |                    |         |                      |                       |                    |