

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

| UPPER MARLBORO |               |                 |         |                 |         | PRINCE GEORGE MD           |                        |                            | 7:00 AM |               | May 2015     |                 | EASTERN |                 |                 |                 | REMARKS | AVERAGE WIND SPEED MPH | SOLAR RADIATION |  |
|----------------|---------------|-----------------|---------|-----------------|---------|----------------------------|------------------------|----------------------------|---------|---------------|--------------|-----------------|---------|-----------------|-----------------|-----------------|---------|------------------------|-----------------|--|
| DATE           | TEMPERATURE F |                 |         |                 |         | RAIN, MELTED PRECIP INCHES | SNOW, ICE, HAIL INCHES | SNOW, ICE ON GROUND INCHES | EVAP    |               | WATER TEMP F |                 |         |                 | watts per sq ft | time occurrence |         |                        |                 |  |
|                | maximum       | time occurrence | minimum | time occurrence | present |                            |                        |                            | INCHES  | reading after | maximum      | time occurrence | minimum | time occurrence |                 |                 |         |                        |                 |  |
| 5 1            | 73            | 1351            | 51      | 600             | 51      | 0.03                       |                        |                            | 1.70    |               | 79           | 1453            | 53      | 630             |                 | 2.25            | 7.32    | 1038                   |                 |  |
| 5 2            | 59            | 1526            | 42      | 433             | 49      | 0.00                       |                        |                            |         |               | 65           | 1529            | 48      | 550             |                 | 1.43            | 3.11    | 1052                   |                 |  |
| 5 3            | 74            | 1611            | 48      | 528             | 59      | 0.00                       |                        |                            | 1.47    |               | 82           | 1414            | 49      | 701             |                 | 1.58            | 6.93    | 1255                   |                 |  |
| 5 4            | 82            | 1457            | 49      | 506             | 60      | 0.00                       |                        |                            | 1.26    |               | 88           | 1551            | 53      | 701             |                 | 1.32            | 5.99    | 1226                   |                 |  |
| 5 5            | 84            | 1448            | 60      | 700             | 67      | 0.00                       |                        |                            | 0.98    |               | 88           | 1415            | 55      | 702             |                 | 4.52            | 4.63    | 1119                   |                 |  |
| 5 6            | 86            | 1335            | 58      | 455             | 63      | 0.62                       |                        |                            | 1.17    |               | 97           | 1412            | 59      | 700             |                 | 1.04            | 4.86    | 1038                   |                 |  |
| 5 7            | 79            | 1422            | 56      | 510             | 61      | T                          |                        |                            | 0.99    |               | 93           | 1419            | 58      | 558             |                 | 1.83            | 4.02    | 1101                   |                 |  |
| 5 8            | 80            | 1546            | 55      | 510             | 64      | 0.00                       |                        |                            | 0.80    |               | 94           | 1414            | 59      | 608             |                 | 1.28            | 3.47    | 1201                   |                 |  |
| 5 9            | 80            | 1352            | 59      | 202             | 65      | 0.00                       |                        |                            |         |               | 93           | 1406            | 60      | 700             |                 | 1.39            | 3.33    | 1202                   |                 |  |
| 5 10           | 80            | 1632            | 64      | 709             | 68      | 0.00                       |                        |                            |         |               | 92           | 1443            | 64      | 701             |                 | 1.86            | 3.83    | 1145                   |                 |  |
| 5 11           | 82            | 1410            | 67      | 436             | 68      | T                          |                        |                            |         |               | 92           | 1230            | 66      | 700             |                 | 2.62            | 3.70    | 1320                   |                 |  |
| 5 12           | 79            | 1122            | 63      | 237             | 71      | 0.01                       |                        |                            | 0.37    | 2.44          | 87           | 1453            | 64      | 550             |                 | 1.91            | 3.85    | 1118                   |                 |  |
| 5 13           | 87            | 1508            | 61      | 603             | 62      | 0.00                       |                        |                            | 2.19    |               | 88           | 1318            | 56      | 601             |                 | 6.46            | 3.87    | 1150                   |                 |  |
| 5 14           | 67            | 1334            | 45      | 529             | 53      | 0.00                       |                        |                            | 1.99    |               | 75           | 1508            | 46      | 551             |                 | 5.63            | 4.08    | 1128                   |                 |  |
| 5 15           | 71            | 1500            | 49      | 2245            | 56      | 0.00                       |                        |                            | 1.80    |               | 83           | 1525            | 47      | 701             |                 | 1.93            | 2.65    | 1159                   |                 |  |
| 5 16           | 77            | 1451            | 56      | 707             | 67      | 0.00                       |                        |                            |         |               | 84           | 1525            | 53      | 700             |                 | 3.67            | 3.00    | 1011                   |                 |  |
| 5 17           | 89            | 1501            | 66      | 203             | 69      | 0.48                       |                        |                            |         |               | 95           | 1439            | 60      | 701             |                 | 2.39            | 2.69    | 1232                   |                 |  |
| 5 18           | 85            | 1352            | 67      | 421             | 71      | 0.00                       |                        |                            | 1.73    |               | 90           | 1435            | 68      | 701             |                 | 1.40            | 3.93    | 1248                   |                 |  |
| 5 19           | 87            | 1110            | 68      | 318             | 70      | 1.07                       |                        |                            | 2.61    |               | 93           | 1558            | 70      | 701             |                 | 1.32            | 3.46    | 1106                   |                 |  |
| 5 20           | 87            | 1641            | 59      | 527             | 60      | 0.00                       |                        |                            | 2.37    |               | 93           | 1521            | 58      | 607             |                 | 3.23            | 4.43    | 1110                   |                 |  |
| 5 21           | 71            | 1402            | 52      | 2351            | 56      | 0.00                       |                        |                            | 2.15    |               | 81           | 1430            | 56      | 656             |                 | 4.25            | 3.33    | 1140                   |                 |  |
| 5 22           | 57            | 707             | 47      | 508             | 54      | 0.38                       |                        |                            | 2.51    |               | 56           | 712             | 47      | 539             |                 | 0.83            | 1.10    | 700                    |                 |  |
| 5 23           | 76            | 1550            | 48      | 503             | 54      | 0.00                       |                        |                            |         |               | 80           | 1437            | 49      | 700             |                 | 3.97            | 3.33    | 1420                   |                 |  |
| 5 24           | 74            | 1506            | 47      | 445             | 58      | 0.00                       |                        |                            |         |               | 85           | 1514            | 50      | 701             |                 | 1.75            | 3.10    | 1153                   |                 |  |
| 5 25           | 82            | 1623            | 58      | 441             | 68      | 0.00                       |                        |                            |         |               | 91           | 1514            | 55      | 701             |                 | 2.18            | 2.65    | 1155                   |                 |  |
| 5 26           | 83            | 1516            | 63      | 257             | 69      | 0.00                       |                        |                            | 1.62    |               | 89           | 1354            | 61      | 539             |                 | 5.97            | 2.88    | 1348                   |                 |  |
| 5 27           | 88            | 1508            | 69      | 701             | 74      | 0.00                       |                        |                            |         |               | 93           | 1511            | 63      | 701             |                 | 5.10            | 3.18    | 1149                   |                 |  |
| 5 28           | 89            | 1447            | 68      | 51              | 73      | 0.00                       |                        |                            | 1.20    |               | 93           | 1331            | 68      | 545             |                 | 3.87            | 3.24    | 1213                   |                 |  |
| 5 29           | 90            | 1420            | 67      | 157             | 70      | 0.01                       |                        |                            | 1.06    |               | 98           | 1433            | 69      | 557             |                 | 1.21            | 2.93    | 1233                   |                 |  |
| 5 30           | 85            | 1541            | 68      | 501             | 73      | 0.00                       |                        |                            |         |               | 92           | 1546            | 68      | 600             |                 | 1.34            | 3.04    | 1226                   |                 |  |
| 5 31           | 88            | 1509            | 69      | 500             | 73      | 0.00                       |                        |                            |         |               | 96           | 1408            | 66      | 530             |                 | 5.12            | 3.16    | 1148                   |                 |  |
| Average        | 80            |                 | 58      |                 | 64      | Total                      | 2.60                   | 0.0                        |         |               | 87           |                 | 58      |                 |                 | 2.73            | 3.71    |                        |                 |  |
|                |               |                 |         |                 |         | Greatest                   | 1.07                   | 0                          |         |               |              |                 |         |                 |                 |                 |         |                        |                 |  |