

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

| UPPER MARLBORO |               |                 |         |                 |         | PRINCE GEORGE MD           |                        |                            | 7:00 AM |               | January 2015 |                 | EASTERN |                 |  |       | REMARKS | AVERAGE WIND SPEED MPH | SOLAR RADIATION watts per sq ft | RADIATION time occurrence |
|----------------|---------------|-----------------|---------|-----------------|---------|----------------------------|------------------------|----------------------------|---------|---------------|--------------|-----------------|---------|-----------------|--|-------|---------|------------------------|---------------------------------|---------------------------|
| DATE           | TEMPERATURE F |                 |         |                 |         | RAIN, MELTED PRECIP INCHES | SNOW, ICE, HAIL INCHES | SNOW, ICE ON GROUND INCHES | EVAP    |               | WATER TEMP F |                 |         |                 |  |       |         |                        |                                 |                           |
|                | maximum       | time occurrence | minimum | time occurrence | present |                            |                        |                            | INCHES  | reading after | maximum      | time occurrence | minimum | time occurrence |  |       |         |                        |                                 |                           |
| 1 1            | 37            | 1322            | 17      | 254             | 20      | 0.00                       |                        |                            |         |               | 42           | 1441            | 33      | 657             |  | 2.40  | 0.01    | 733                    |                                 |                           |
| 1 2            | 43            | 1343            | 19      | 709             | 29      | 0.00                       |                        |                            |         |               | 42           | 1412            | 33      | 758             |  | 5.05  | 0.01    | 756                    |                                 |                           |
| 1 3            | 46            | 1424            | 26      | 59              | 35      | 0.10                       |                        |                            | 1.77    |               | 42           | 1313            | 34      | 744             |  | 1.20  | 0.01    | 250                    |                                 |                           |
| 1 4            | 47            | 637             | 33      | 753             | 47      | 0.05                       |                        |                            |         |               | 39           | 1425            | 34      | 736             |  | 1.75  | 0.08    | 927                    |                                 |                           |
| 1 5            | 65            | 1806            | 39      | 643             | 40      | 0.30                       |                        |                            | 2.27    |               | 56           | 2005            | 39      | 701             |  | 10.84 | 0.01    | 2005                   |                                 |                           |
| 1 6            | 41            | 1058            | 20      | 608             | 21      | 0.08                       | 0.8                    | 1                          | Frozen  |               | 46           | 1414            | 33      | 659             |  | 7.11  | 0.01    | 334                    |                                 |                           |
| 1 7            | 30            | 1327            | 15      | 2125            | 17      | 0.08                       | 1.2                    | 2                          | Frozen  |               | 41           | 1354            | 33      | 746             |  | 0.99  | 0.01    | 1540                   |                                 |                           |
| 1 8            | 26            | 1312            | 8       | 700             | 8       | 0.00                       |                        | 2                          | Frozen  |               | 43           | 1401            | 31      | 2350            |  | 9.93  | 0.01    | 533                    |                                 |                           |
| 1 9            | 26            | 700             | 8       | 714             | 26      | 0.00                       |                        | 2                          | Frozen  |               | 38           | 1402            | 31      | 1934            |  | 8.69  | 0.01    | 840                    |                                 |                           |
| 1 10           | 39            | 1406            | 16      | 659             | 16      | 0.00                       |                        | 1                          |         |               | 34           | 1416            | 31      | 245             |  | 5.80  | 0.01    | 512                    |                                 |                           |
| 1 11           | 28            | 1452            | 8       | 615             | 8       | 0.00                       |                        | 1                          |         |               | 35           | 1329            | 31      | 639             |  | 2.92  | 0.01    | 513                    |                                 |                           |
| 1 12           | 42            | 1442            | 8       | 705             | 33      | 0.10                       |                        | T                          | Frozen  |               | 32           | 1443            | 31      | 1015            |  | 2.21  | 0.02    | 202                    |                                 |                           |
| 1 13           | 39            | 2351            | 33      | 709             | 34      | 0.86                       |                        | 0                          | Frozen  |               | 32           | 1340            | 31      | 720             |  | 3.21  | 0.04    | 1512                   |                                 |                           |
| 1 14           | 34            | 700             | 22      | 651             | 22      | T                          | 0.1                    | T                          | Frozen  |               | 33           | 1412            | 31      | 659             |  | 6.65  | 0.01    | 2343                   |                                 |                           |
| 1 15           | 31            | 1546            | 22      | 706             | 29      | T                          | T                      | 0                          | Frozen  |               | 32           | 1545            | 31      | 756             |  | 4.08  | 0.01    | 801                    |                                 |                           |
| 1 16           | 40            | 1419            | 22      | 607             | 24      | 0.00                       |                        |                            | Frozen  |               | 33           | 1406            | 31      | 649             |  | 2.14  | 0.01    | 254                    |                                 |                           |
| 1 17           | 44            | 1436            | 22      | 656             | 22      | 0.00                       |                        |                            |         |               | 37           | 1455            | 31      | 706             |  | 4.68  | 0.01    | 717                    |                                 |                           |
| 1 18           | 37            | 1358            | 21      | 752             | 34      | 0.10                       |                        |                            |         |               | 40           | 1422            | 32      | 724             |  | 5.39  | 0.05    | 1528                   |                                 |                           |
| 1 19           | 41            | 1533            | 31      | 204             | 38      | 0.72                       |                        |                            |         |               | 35           | 1533            | 32      | 712             |  | 1.07  | 0.08    | 1104                   |                                 |                           |
| 1 20           | 47            | 1551            | 23      | 524             | 25      | 0.00                       |                        |                            | Frozen  |               | 42           | 1524            | 33      | 716             |  | 2.95  | 0.01    | 2323                   |                                 |                           |
| 1 21           | 47            | 1510            | 25      | 700             | 30      | T                          | 0.1                    | 0                          | Frozen  |               | 43           | 1528            | 34      | 736             |  | 0.68  | 0.01    | 952                    |                                 |                           |
| 1 22           | 35            | 1111            | 30      | 701             | 32      | 0.10                       | 1.0                    | 1                          | Frozen  |               | 39           | 1614            | 33      | 659             |  | 0.89  | 0.17    | 1620                   |                                 |                           |
| 1 23           | 46            | 1226            | 22      | 650             | 23      | 0.00                       |                        |                            | Frozen  |               | 51           | 1441            | 33      | 742             |  | 3.17  | 0.45    | 1054                   |                                 |                           |
| 1 24           | 43            | 1245            | 22      | 732             | 34      | 1.17                       | T                      | 0                          |         |               | 50           | 1453            | 37      | 749             |  | 2.71  | 0.04    | 1807                   |                                 |                           |
| 1 25           | 41            | 1632            | 34      | 700             | 36      | 0.00                       |                        |                            |         |               | 45           | 1525            | 37      | 656             |  | 5.87  | 0.03    | 838                    |                                 |                           |
| 1 26           | 51            | 1443            | 34      | 809             | 34      | 0.00                       |                        |                            | 4.84    | 2.24          | 51           | 1418            | 37      | 725             |  | 2.92  | 0.07    | 557                    |                                 |                           |
| 1 27           | 34            | 700             | 25      | 105             | 27      | 0.10                       | 0.9                    | 1                          | Frozen  |               | 41           | 710             | 32      | 644             |  | 1.55  | 0.10    | 916                    |                                 |                           |
| 1 28           | 35            | 1456            | 20      | 642             | 20      | 0.23                       | T                      | T                          | Frozen  |               | 42           | 1503            | 32      | 656             |  | 7.17  | 0.06    | 1236                   |                                 |                           |
| 1 29           | 36            | 1426            | 15      | 658             | 16      | 0.00                       |                        |                            |         |               | 43           | 1431            | 32      | 721             |  | 4.24  | 0.01    | 750                    |                                 |                           |
| 1 30           | 39            | 537             | 15      | 715             | 37      | 0.03                       | T                      | 0                          | 2.45    |               | 43           | 1227            | 32      | 710             |  | 3.65  | 0.03    | 1711                   |                                 |                           |
| 1 31           | 41            | 1119            | 17      | 607             | 17      | 0.00                       |                        |                            |         |               | 43           | 1423            | 31      | 345             |  | 11.38 | 0.01    | 2306                   |                                 |                           |
| Average        | 40            |                 | 22      |                 | 27      | Total                      | 4.02                   | 4.1                        |         |               | 41           |                 | 33      |                 |  | 4.30  | 0.04    |                        |                                 |                           |
|                |               |                 |         |                 |         | Greatest                   | 1.17                   | 1.2                        |         |               |              |                 |         |                 |  |       |         |                        |                                 |                           |

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