

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

| UPPER MARLBORO |               | PRINCE GEORGE MD  |         |                   |         |          | 7:00 AM                             |                                 | January 2008                        |        | EASTERN          |              |                   |         |                   |         |                         |                       |                   |
|----------------|---------------|-------------------|---------|-------------------|---------|----------|-------------------------------------|---------------------------------|-------------------------------------|--------|------------------|--------------|-------------------|---------|-------------------|---------|-------------------------|-----------------------|-------------------|
| 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 | AVERAGE SOLAR RADIATION |                       |                   |
|                | maximum       | time<br>occurance | minimum | time<br>occurance | present |          |                                     |                                 |                                     | INCHES | reading<br>after | maximum      | time<br>occurance | minimum | time<br>occurance |         | WIND<br>SPEED<br>MPH    | watts<br>per<br>sq ft | time<br>occurance |
| 1 1            | 50            | 1553              | 31      | 751               | 42      |          |                                     |                                 |                                     |        | 52               | 1503         | 38                | 802     |                   | 4.47    | 31.61                   | 1220                  |                   |
| 1 2            | 53            | 1301              | 27      | 658               | 27      |          |                                     |                                 |                                     |        | 51               | 1446         | 33                | 657     |                   | 8.80    | 45.77                   | 1115                  |                   |
| 1 3            | 35            | 1328              | 19      | 630               | 20      |          |                                     |                                 |                                     |        | 41               | 1512         | 31                | 444     |                   | 9.42    | 38.70                   | 1150                  |                   |
| 1 4            | 31            | 1458              | 13      | 610               | 13      |          |                                     |                                 |                                     |        | 39               | 1545         | 31                | 719     |                   | 3.39    | 47.03                   | 1241                  |                   |
| 1 5            | 42            | 1450              | 13      | 705               | 20      |          |                                     |                                 |                                     |        | 42               | 1456         | 31                | 721     |                   | 2.41    | 34.32                   | 1231                  |                   |
| 1 6            | 45            | 1331              | 20      | 741               | 36      |          | 0.09                                |                                 |                                     |        | 41               | 1357         | 32                | 731     |                   | 0.83    | 31.48                   | 1056                  |                   |
| 1 7            | 60            | 1525              | 36      | 700               | 54      |          |                                     |                                 |                                     |        | 48               | 1515         | 34                | 737     |                   | 1.39    | 37.91                   | 1141                  |                   |
| 1 8            | 73            | 1535              | 51      | 508               | 52      |          |                                     |                                 |                                     |        | 62               | 1633         | 41                | 711     |                   | 3.91    | 36.79                   | 1046                  |                   |
| 1 9            | 72            | 1406              | 51      | 724               | 63      |          |                                     |                                 |                                     |        | 67               | 1518         | 50                | 811     |                   | 10.72   | 28.58                   | 1259                  |                   |
| 1 10           | 67            | 1030              | 32      | 700               | 32      |          | T                                   |                                 |                                     |        | 64               | 1352         | 38                | 657     |                   | 5.48    | 29.50                   | 1310                  |                   |
| 1 11           | 50            | 1158              | 31      | 756               | 42      |          | 0.26                                |                                 |                                     |        | 46               | 1436         | 38                | 721     |                   | 1.06    | 28.84                   | 1150                  |                   |
| 1 12           | 59            | 1516              | 38      | 651               | 39      |          | 0.06                                |                                 |                                     |        | 52               | 1723         | 40                | 658     |                   | 1.95    | 28.28                   | 1435                  |                   |
| 1 13           | 53            | 1434              | 27      | 654               | 27      |          |                                     |                                 |                                     |        | 55               | 1500         | 38                | 648     |                   | 1.80    | 30.95                   | 1156                  |                   |
| 1 14           | 47            | 1118              | 27      | 728               | 33      |          | 0.09                                |                                 |                                     |        | 46               | 1510         | 38                | 747     |                   | 1.64    | 38.21                   | 1215                  |                   |
| 1 15           | 45            | 1126              | 25      | 631               | 26      |          |                                     |                                 |                                     |        | 45               | 1449         | 34                | 657     |                   | 5.45    | 39.42                   | 1158                  |                   |
| 1 16           | 36            | 1002              | 24      | 753               | 29      |          | T                                   |                                 |                                     |        | 40               | 1425         | 32                | 658     |                   | 5.71    | 31.25                   | 1405                  |                   |
| 1 17           | 42            | 1505              | 28      | 206               | 31      |          |                                     |                                 |                                     |        | 43               | 1509         | 32                | 756     |                   | 2.47    | 36.33                   | 1256                  |                   |
| 1 18           | 35            | 1012              | 30      | 717               | 32      |          | 0.83                                | 2.2                             | 1                                   |        | 37               | 1500         | 34                | 655     |                   | 0.99    | 4.21                    | 903                   |                   |
| 1 19           | 48            | 1519              | 30      | 2230              | 31      |          |                                     |                                 |                                     |        | 47               | 1604         | 33                | 749     |                   | 1.92    | 45.69                   | 1159                  |                   |
| 1 20           | 38            | 1206              | 21      | 700               | 21      |          |                                     |                                 |                                     |        | 42               | 1439         | 34                | 659     |                   | 3.48    | 28.82                   | 1056                  |                   |
| 1 21           | 25            | 1517              | 11      | 158               | 16      |          |                                     |                                 |                                     |        | 45               | 1513         | 32                | 656     |                   | 5.79    | 34.54                   | 1235                  |                   |
| 1 22           | 31            | 1521              | 15      | 723               | 24      |          |                                     |                                 |                                     |        | 41               | 1444         | 31                | 657     |                   | 3.36    | 32.64                   | 1236                  |                   |
| 1 23           | 40            | 2219              | 23      | 702               | 29      |          | 0.01                                |                                 |                                     |        | 36               | 1555         | 31                | 705     |                   | 5.25    | 20.80                   | 1021                  |                   |
| 1 24           | 46            | 1433              | 24      | 2307              | 27      |          |                                     |                                 |                                     |        | 46               | 1441         | 32                | 808     |                   | 2.36    | 32.46                   | 1225                  |                   |
| 1 25           | 39            | 1521              | 19      | 639               | 20      |          |                                     |                                 |                                     |        | 42               | 1534         | 31                | 650     |                   | 5.58    | 31.01                   | 1408                  |                   |
| 1 26           | 34            | 1553              | 19      | 728               | 22      |          |                                     |                                 |                                     |        | 43               | 1427         | 31                | 725     |                   | 3.20    | 33.27                   | 1245                  |                   |
| 1 27           | 38            | 1421              | 22      | 700               | 29      |          |                                     |                                 |                                     |        | 43               | 1438         | 32                | 745     |                   | 1.85    | 45.19                   | 1307                  |                   |
| 1 28           | 42            | 1439              | 25      | 250               | 30      |          |                                     |                                 |                                     |        | 46               | 1441         | 33                | 745     |                   | 2.66    | 32.09                   | 1249                  |                   |
| 1 29           | 45            | 1521              | 25      | 230               | 32      |          |                                     |                                 |                                     |        | 45               | 1527         | 34                | 741     |                   | 2.04    | 40.70                   | 1224                  |                   |
| 1 30           | 55            | 104               | 32      | 703               | 52      |          | 0.06                                |                                 |                                     |        | 45               | 1602         | 35                | 819     |                   | 4.54    | 30.43                   | 1234                  |                   |
| 1 31           | 52            | 719               | 23      | 552               | 25      |          |                                     |                                 |                                     |        | 55               | 1449         | 36                | 658     |                   | 6.52    | 34.73                   | 1240                  |                   |
| Average        | 46            |                   | 26      |                   | 31      | Total    | 1.40                                | 2.2                             |                                     |        | 47               |              | 35                |         |                   | 3.88    | 33.60                   |                       |                   |
|                |               |                   |         |                   |         | Greatest | 0.83                                | 2.2                             |                                     |        |                  |              |                   |         |                   |         |                         |                       |                   |

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

| UPPER MARLBORO |               | PRINCE GEORGE MD  |         |                   |         |          | 7:00 AM                             |                                 | February 2008                       |        | EASTERN          |              |                   |         |                   |         |                                 |                       |                   |
|----------------|---------------|-------------------|---------|-------------------|---------|----------|-------------------------------------|---------------------------------|-------------------------------------|--------|------------------|--------------|-------------------|---------|-------------------|---------|---------------------------------|-----------------------|-------------------|
| 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 | AVERAGE<br>WIND<br>SPEED<br>MPH | SOLAR RADIATION       |                   |
|                | maximum       | time<br>occurance | minimum | time<br>occurance | present |          |                                     |                                 |                                     | INCHES | reading<br>after | maximum      | time<br>occurance | minimum | time<br>occurance |         |                                 | watts<br>per<br>sq ft | time<br>occurance |
| 2 1            | 44            | 1408              | 24      | 724               | 35      |          | 0.30                                |                                 |                                     |        |                  | 51           | 1504              | 36      | 740               |         | 3.20                            | 34.16                 | 1212              |
| 2 2            | 53            | 1541              | 30      | 654               | 31      |          | 1.48                                |                                 |                                     |        |                  | 46           | 1647              | 37      | 823               |         | 4.97                            | 8.93                  | 1629              |
| 2 3            | 53            | 1603              | 27      | 444               | 29      |          | 0.00                                |                                 |                                     |        |                  | 55           | 1544              | 37      | 753               |         | 2.15                            | 40.98                 | 1216              |
| 2 4            | 58            | 1418              | 28      | 720               | 35      |          | 0.00                                |                                 |                                     |        |                  | 56           | 1543              | 38      | 746               |         | 1.25                            | 36.18                 | 1238              |
| 2 5            | 52            | 1513              | 35      | 709               | 37      |          | 0.00                                |                                 |                                     |        |                  | 50           | 1615              | 41      | 732               |         | 1.16                            | 46.23                 | 1231              |
| 2 6            | 67            | 652               | 37      | 700               | 66      |          | 0.00                                |                                 |                                     |        |                  | 55           | 700               | 42      | 711               |         | 4.95                            | 35.05                 | 1148              |
| 2 7            | 73            | 1144              | 46      | 654               | 47      |          | 0.21                                |                                 |                                     |        |                  | 65           | 1421              | 49      | 659               |         | 11.85                           | 35.46                 | 1141              |
| 2 8            | 52            | 1347              | 29      | 359               | 34      |          | 0.00                                |                                 |                                     |        |                  | 60           | 1447              | 38      | 652               |         | 4.68                            | 45.79                 | 1225              |
| 2 9            | 53            | 1455              | 29      | 338               | 38      |          | 0.00                                |                                 |                                     |        |                  | 55           | 1546              | 38      | 658               |         | 1.20                            | 37.86                 | 1113              |
| 2 10           | 58            | 1551              | 37      | 702               | 43      |          | 0.00                                |                                 |                                     |        |                  | 57           | 1554              | 38      | 715               |         | 4.55                            | 45.46                 | 1206              |
| 2 11           | 49            | 1349              | 13      | 653               | 13      |          | 0.00                                |                                 |                                     |        |                  | 51           | 1438              | 31      | 603               |         | 10.28                           | 47.89                 | 1316              |
| 2 12           | 30            | 1511              | 13      | 712               | 22      |          | 0.00                                |                                 |                                     |        |                  | 44           | 1441              | 31      | 715               |         | 3.91                            | 38.82                 | 1246              |
| 2 13           | 32            | 658               | 22      | 704               | 32      |          | 0.81                                |                                 |                                     |        |                  | 37           | 1455              | 33      | 806               |         | 1.98                            | 14.86                 | 1229              |
| 2 14           | 40            | 1502              | 25      | 652               | 26      |          | 0.30                                |                                 |                                     |        |                  | 38           | 1632              | 33      | 655               |         | 6.61                            | 12.53                 | 1319              |
| 2 15           | 42            | 1602              | 25      | 703               | 30      |          | 0.00                                |                                 |                                     |        |                  | 50           | 1532              | 32      | 730               |         | 4.26                            | 38.79                 | 1230              |
| 2 16           | 58            | 1609              | 29      | 651               | 29      |          | 0.00                                |                                 |                                     |        |                  | 51           | 1638              | 37      | 722               |         | 5.32                            | 42.88                 | 1215              |
| 2 17           | 49            | 1513              | 24      | 151               | 33      |          | 0.00                                |                                 |                                     |        |                  | 58           | 1537              | 38      | 659               |         | 2.55                            | 38.27                 | 1215              |
| 2 18           | 65            | 455               | 33      | 705               | 64      |          | 0.00                                |                                 |                                     |        |                  | 55           | 658               | 38      | 721               |         | 7.80                            | 45.73                 | 1225              |
| 2 19           | 73            | 1312              | 31      | 307               | 36      |          | 0.16                                |                                 |                                     |        |                  | 71           | 1410              | 38      | 652               |         | 6.92                            | 47.66                 | 1339              |
| 2 20           | 50            | 1448              | 21      | 411               | 24      |          | 0.00                                |                                 |                                     |        |                  | 51           | 1512              | 35      | 700               |         | 6.90                            | 57.45                 | 1243              |
| 2 21           | 34            | 1156              | 16      | 650               | 16      |          | 0.08                                | 2.8                             | 2                                   |        |                  | 41           | 1153              | 33      | 700               |         | 2.45                            | 19.82                 | 1136              |
| 2 22           | 35            | 1523              | 16      | 711               | 30      |          | 0.27                                |                                 | T                                   |        |                  | 44           | 1532              | 33      | 732               |         | 3.09                            | 44.42                 | 1234              |
| 2 23           | 34            | 546               | 30      | 708               | 33      |          | 0.00                                |                                 |                                     |        |                  | 38           | 1546              | 34      | 823               |         | 0.53                            | 8.37                  | 1513              |
| 2 24           | 38            | 1540              | 24      | 654               | 25      |          | 0.00                                |                                 |                                     |        |                  | 40           | 1540              | 35      | 659               |         | 2.54                            | 14.47                 | 949               |
| 2 25           | 46            | 1439              | 25      | 704               | 35      |          | 0.00                                |                                 |                                     |        |                  | 52           | 1521              | 35      | 712               |         | 1.75                            | 47.14                 | 1144              |
| 2 26           | 52            | 1434              | 31      | 2249              | 39      |          | 0.06                                |                                 |                                     |        |                  | 54           | 1604              | 39      | 714               |         | 2.15                            | 51.29                 | 1254              |
| 2 27           | 53            | 1411              | 35      | 656               | 35      |          | 0.03                                |                                 |                                     |        |                  | 46           | 1754              | 38      | 645               |         | 5.11                            | 11.90                 | 1202              |
| 2 28           | 41            | 1223              | 19      | 627               | 19      |          | 0.00                                |                                 |                                     |        |                  | 47           | 1459              | 32      | 659               |         | 8.93                            | 55.96                 | 1254              |
| 2 29           | 35            | 1633              | 16      | 613               | 16      |          | 0.00                                |                                 |                                     |        |                  | 44           | 1435              | 32      | 711               |         | 4.82                            | 64.48                 | 1224              |
| Average        | 49            |                   | 27      |                   | 33      | Total    | 3.70                                | 2.8                             |                                     |        |                  | 50           |                   | 36      |                   |         | 4.41                            | 36.86                 |                   |
|                |               |                   |         |                   |         | Greatest | 1.48                                | 2.8                             |                                     |        |                  |              |                   |         |                   |         |                                 |                       |                   |

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RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

| UPPER MARLBORO |               | PRINCE GEORGE MD  |         |                   |         |          | 7:00 AM                             |                                 | March 2008                          |        | EASTERN          |              |                   |         |                   |         |                                 |                       |                   |
|----------------|---------------|-------------------|---------|-------------------|---------|----------|-------------------------------------|---------------------------------|-------------------------------------|--------|------------------|--------------|-------------------|---------|-------------------|---------|---------------------------------|-----------------------|-------------------|
| 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 | AVERAGE<br>WIND<br>SPEED<br>MPH | SOLAR RADIATION       |                   |
|                | maximum       | time<br>occurance | minimum | time<br>occurance | present |          |                                     |                                 |                                     | INCHES | reading<br>after | maximum      | time<br>occurance | minimum | time<br>occurance |         |                                 | watts<br>per<br>sq ft | time<br>occurance |
| 3 1            | 48            | 249               | 16      | 710               | 44      |          | 0.00                                |                                 |                                     |        |                  | 47           | 1520              | 34      | 715               |         | 8.37                            | 60.69                 | 1219              |
| 3 2            | 49            | 1248              | 23      | 556               | 25      |          | 0.00                                |                                 |                                     |        |                  | 56           | 1343              | 36      | 700               |         | 6.91                            | 58.00                 | 1235              |
| 3 3            | 53            | 1550              | 25      | 703               | 39      |          | 0.00                                |                                 |                                     | 1.96   |                  | 58           | 1600              | 36      | 715               |         | 2.50                            | 45.21                 | 1137              |
| 3 4            | 68            | 1555              | 39      | 703               | 58      |          | 0.00                                |                                 |                                     | 1.78   |                  | 68           | 1518              | 38      | 701               |         | 11.61                           | 42.05                 | 1231              |
| 3 5            | 72            | 1512              | 49      | 700               | 49      |          | 0.40                                |                                 |                                     | 2.06   |                  | 69           | 1520              | 53      | 658               |         | 12.43                           | 32.91                 | 929               |
| 3 6            | 57            | 1502              | 28      | 644               | 29      |          | 0.00                                |                                 |                                     | 1.90   |                  | 68           | 1505              | 38      | 649               |         | 5.48                            | 59.38                 | 1156              |
| 3 7            | 56            | 1412              | 28      | 705               | 38      |          | 0.00                                |                                 |                                     | 1.80   |                  | 67           | 1516              | 38      | 716               |         | 1.62                            | 46.01                 | 1230              |
| 3 8            | 48            | 1832              | 38      | 702               | 46      |          | 0.80                                |                                 |                                     |        |                  | 47           | 330               | 39      | 703               |         | 2.42                            | 19.09                 | 1105              |
| 3 9            | 65            | 1252              | 27      | 617               | 28      |          | 0.15                                |                                 |                                     |        |                  | 61           | 1532              | 33      | 657               |         | 10.05                           | 52.83                 | 1308              |
| 3 10           | 45            | 1623              | 25      | 451               | 27      |          | 0.00                                |                                 |                                     | 2.56   |                  | 53           | 1622              | 32      | 702               |         | 5.67                            | 49.29                 | 1227              |
| 3 11           | 51            | 1241              | 27      | 700               | 34      |          | 0.00                                |                                 |                                     | 2.48   |                  | 55           | 1319              | 36      | 703               |         | 2.93                            | 61.16                 | 1217              |
| 3 12           | 56            | 1519              | 33      | 716               | 43      |          | 0.00                                |                                 |                                     |        |                  | 60           | 1536              | 39      | 714               |         | 3.02                            | 58.76                 | 1145              |
| 3 13           | 57            | 1429              | 27      | 614               | 28      |          | 0.00                                |                                 |                                     | 2.23   |                  | 64           | 1455              | 38      | 653               |         | 5.41                            | 54.62                 | 1219              |
| 3 14           | 62            | 1550              | 28      | 703               | 41      |          | 0.00                                |                                 |                                     | 2.10   |                  | 65           | 1502              | 38      | 701               |         | 3.66                            | 44.82                 | 1229              |
| 3 15           | 66            | 1401              | 41      | 700               | 49      |          | 0.00                                |                                 |                                     |        |                  | 74           | 1503              | 43      | 700               |         | 3.38                            | 47.13                 | 1149              |
| 3 16           | 64            | 1507              | 43      | 607               | 44      |          | 0.22                                |                                 |                                     |        |                  | 74           | 1531              | 47      | 649               |         | 3.04                            | 47.37                 | 1033              |
| 3 17           | 51            | 1507              | 31      | 538               | 33      |          | 0.18                                |                                 |                                     | 2.07   |                  | 61           | 1524              | 36      | 641               |         | 6.73                            | 69.04                 | 1252              |
| 3 18           | 52            | 1508              | 33      | 701               | 42      |          | 0.00                                |                                 |                                     |        |                  | 65           | 1541              | 36      | 749               |         | 2.66                            | 49.09                 | 1228              |
| 3 19           | 53            | 1316              | 42      | 700               | 51      |          | 0.00                                |                                 |                                     | 1.86   |                  | 56           | 1538              | 43      | 712               |         | 5.32                            | 48.78                 | 1122              |
| 3 20           | 69            | 1237              | 42      | 621               | 43      |          | 0.48                                |                                 |                                     | 2.28   |                  | 61           | 12                | 45      | 659               |         | 9.97                            | 32.29                 | 1051              |
| 3 21           | 54            | 1542              | 38      | 423               | 39      |          | 0.00                                |                                 |                                     | 2.01   |                  | 63           | 1415              | 37      | 613               |         | 10.61                           | 50.84                 | 1223              |
| 3 22           | 57            | 1533              | 37      | 2243              | 42      |          | 0.00                                |                                 |                                     |        |                  | 65           | 1500              | 37      | 700               |         | 4.23                            | 53.37                 | 1225              |
| 3 23           | 49            | 1406              | 29      | 620               | 32      |          | 0.00                                |                                 |                                     |        |                  | 62           | 1427              | 37      | 651               |         | 3.90                            | 71.55                 | 1216              |
| 3 24           | 51            | 1653              | 27      | 159               | 31      |          | 0.00                                |                                 |                                     | 1.65   |                  | 67           | 1532              | 37      | 700               |         | 2.11                            | 56.02                 | 1227              |
| 3 25           | 50            | 1347              | 28      | 628               | 30      |          | 0.00                                |                                 |                                     | 1.56   |                  | 59           | 1536              | 36      | 655               |         | 2.61                            | 64.75                 | 1145              |
| 3 26           | 54            | 1423              | 30      | 700               | 49      |          | 0.00                                |                                 |                                     | 1.35   |                  | 66           | 1454              | 36      | 740               |         | 8.88                            | 52.13                 | 1234              |
| 3 27           | 70            | 1537              | 43      | 428               | 48      |          | 0.00                                |                                 |                                     | 1.17   |                  | 70           | 1504              | 40      | 702               |         | 4.86                            | 61.76                 | 1256              |
| 3 28           | 58            | 658               | 41      | 356               | 58      |          | 0.01                                |                                 |                                     | 1.15   | 1.58             | 58           | 1520              | 44      | 546               |         | 1.92                            | 43.66                 | 1216              |
| 3 29           | 73            | 1352              | 33      | 618               | 37      |          | 0.00                                |                                 |                                     |        |                  | 71           | 1523              | 38      | 620               |         | 8.04                            | 50.67                 | 1024              |
| 3 30           | 51            | 1456              | 31      | 551               | 34      |          | 0.00                                |                                 |                                     |        |                  | 66           | 1454              | 38      | 626               |         | 3.07                            | 58.37                 | 1056              |
| 3 31           | 49            | 1314              | 34      | 700               | 41      |          | 0.00                                |                                 |                                     | 1.18   |                  | 58           | 1339              | 39      | 711               |         | 4.24                            | 72.38                 | 1123              |
| Average        | 57            |                   | 33      |                   | 40      | Total    | 2.24                                | 0.0                             |                                     |        |                  | 62           |                   | 39      |                   |         | 5.41                            | 52.07                 |                   |
|                |               |                   |         |                   |         | Greatest | 0.80                                | 0.0                             |                                     |        |                  |              |                   |         |                   |         |                                 |                       |                   |

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RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

| UPPER MARLBORO |               |                   |         |                   |         | PRINCE GEORGE MD                    |                                 | 7:00 AM                             |        | April 2008       |              | 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 |                   |         |                   | WIND<br>SPEED<br>MPH |         |         | watts<br>per<br>sq ft | time<br>occurene |  |
|                | maximum       | time<br>occurance | minimum | time<br>occurance | present |                                     |                                 |                                     | INCHES | reading<br>after | maximum      | time<br>occurance | minimum | time<br>occurance |                      |         |         |                       |                  |  |
| 4 1            | 62            | 620               | 41      | 702               | 61      | 0.03                                |                                 |                                     | 1.20   |                  | 57           | 658               | 41      | 720               |                      | 4.09    | 24.62   | 1300                  |                  |  |
| 4 2            | 76            | 1525              | 42      | 612               | 43      | 0.04                                |                                 |                                     | 1.02   |                  | 78           | 1535              | 42      | 637               |                      | 12.19   | 76.29   | 1157                  |                  |  |
| 4 3            | 56            | 1532              | 30      | 315               | 40      | 0.00                                |                                 |                                     | 0.87   |                  | 71           | 1510              | 39      | 431               |                      | 4.24    | 57.85   | 1247                  |                  |  |
| 4 4            | 50            | 1008              | 37      | 1710              | 42      | 0.71                                |                                 |                                     | 1.53   |                  | 51           | 1249              | 38      | 741               |                      | 3.33    | 43.44   | 947                   |                  |  |
| 4 5            | 64            | 1520              | 42      | 703               | 55      | 0.00                                |                                 |                                     |        |                  | 63           | 1655              | 42      | 700               |                      | 3.82    | 53.33   | 1341                  |                  |  |
| 4 6            | 65            | 1458              | 44      | 335               | 45      | 0.84                                |                                 |                                     |        |                  | 76           | 1516              | 47      | 658               |                      | 5.15    | 67.74   | 1356                  |                  |  |
| 4 7            | 48            | 1016              | 41      | 605               | 42      | 0.04                                |                                 |                                     | 2.21   |                  | 51           | 1644              | 43      | 617               |                      | 4.12    | 15.82   | 1012                  |                  |  |
| 4 8            | 46            | 1429              | 41      | 725               | 43      | 0.01                                |                                 |                                     | 2.19   |                  | 51           | 1518              | 43      | 703               |                      | 1.85    | 18.15   | 1408                  |                  |  |
| 4 9            | 51            | 1345              | 42      | 37                | 44      | 0.00                                |                                 |                                     | 2.12   |                  | 57           | 1614              | 45      | 701               |                      | 1.85    | 37.18   | 1007                  |                  |  |
| 4 10           | 68            | 1445              | 43      | 706               | 51      | 0.00                                |                                 |                                     |        |                  | 77           | 1505              | 47      | 708               |                      | 1.65    | 76.66   | 1133                  |                  |  |
| 4 11           | 75            | 1539              | 51      | 714               | 55      | 0.00                                |                                 |                                     | 1.92   |                  | 86           | 1528              | 54      | 706               |                      | 2.01    | 60.63   | 1017                  |                  |  |
| 4 12           | 82            | 1556              | 55      | 700               | 70      | 0.00                                |                                 |                                     |        |                  | 85           | 1425              | 56      | 704               |                      | 7.51    | 57.50   | 1116                  |                  |  |
| 4 13           | 75            | 917               | 45      | 619               | 49      | 0.59                                |                                 |                                     |        |                  | 73           | 1209              | 48      | 628               |                      | 3.92    | 56.38   | 1149                  |                  |  |
| 4 14           | 56            | 1005              | 37      | 537               | 41      | 0.00                                |                                 |                                     | 2.06   |                  | 60           | 1129              | 41      | 639               |                      | 3.71    | 66.44   | 944                   |                  |  |
| 4 15           | 56            | 1449              | 38      | 546               | 43      | 0.00                                |                                 |                                     | 1.88   |                  | 74           | 1449              | 39      | 642               |                      | 3.84    | 59.38   | 1344                  |                  |  |
| 4 16           | 61            | 1546              | 32      | 537               | 39      | 0.00                                |                                 |                                     | 1.72   |                  | 75           | 1526              | 39      | 700               |                      | 3.52    | 55.07   | 1207                  |                  |  |
| 4 17           | 67            | 1331              | 35      | 543               | 43      | 0.00                                |                                 |                                     | 1.53   |                  | 80           | 1427              | 41      | 700               |                      | 2.12    | 54.32   | 1240                  |                  |  |
| 4 18           | 78            | 1617              | 43      | 507               | 54      | 0.00                                |                                 |                                     | 1.35   |                  | 87           | 1526              | 43      | 701               |                      | 1.09    | 54.72   | 1224                  |                  |  |
| 4 19           | 86            | 1506              | 47      | 536               | 52      | 0.00                                |                                 |                                     |        |                  | 91           | 1506              | 49      | 703               |                      | 1.58    | 53.79   | 1225                  |                  |  |
| 4 20           | 83            | 1438              | 52      | 700               | 61      | 0.33                                |                                 |                                     |        |                  | 83           | 1441              | 53      | 701               |                      | 5.17    | 58.18   | 1215                  |                  |  |
| 4 21           | 70            | 1300              | 58      | 700               | 58      | 2.40                                |                                 |                                     | 3.46   |                  | 69           | 1258              | 58      | 700               |                      | 4.73    | 35.88   | 1241                  |                  |  |
| 4 22           | 60            | 1552              | 53      | 601               | 53      | 0.72                                |                                 |                                     | 4.20   |                  | 90           | 1147              | 55      | 607               |                      | 5.63    | 42.46   | 1542                  |                  |  |
| 4 23           | 72            | 1456              | 53      | 213               | 57      | 0.00                                |                                 |                                     | 4.02   |                  | 80           | 1513              | 55      | 701               |                      | 3.85    | 78.80   | 1212                  |                  |  |
| 4 24           | 76            | 1356              | 54      | 555               | 61      | 0.00                                |                                 |                                     | 3.88   |                  | 86           | 1515              | 59      | 700               |                      | 1.54    | 77.77   | 1108                  |                  |  |
| 4 25           | 79            | 1500              | 50      | 451               | 54      | 0.00                                |                                 |                                     | 3.66   |                  | 88           | 1516              | 58      | 639               |                      | 2.18    | 65.51   | 1142                  |                  |  |
| 4 26           | 79            | 1509              | 54      | 700               | 63      | 0.00                                |                                 |                                     |        |                  | 85           | 1508              | 59      | 700               |                      | 1.94    | 64.10   | 1248                  |                  |  |
| 4 27           | 81            | 1206              | 52      | 521               | 52      | 0.20                                |                                 |                                     |        |                  | 91           | 1446              | 57      | 652               |                      | 4.98    | 57.89   | 1236                  |                  |  |
| 4 28           | 55            | 1718              | 50      | 38                | 52      | 0.13                                |                                 |                                     | 3.61   |                  | 59           | 1614              | 53      | 514               |                      | 3.13    | 14.11   | 1111                  |                  |  |
| 4 29           | 64            | 1328              | 46      | 530               | 49      | 0.90                                |                                 |                                     | 4.45   |                  | 60           | 1342              | 52      | 555               |                      | 1.61    | 13.18   | 644                   |                  |  |
| 4 30           | 62            | 1458              | 36      | 533               | 45      | 0.00                                |                                 |                                     | 4.26   |                  | 71           | 1547              | 46      | 550               |                      | 4.26    | 85.67   | 1126                  |                  |  |
| Average        | 67            |                   | 45      |                   | 51      | Total                               | 6.94                            | 0.0                                 |        |                  | 73           |                   | 48      |                   |                      | 3.69    | 52.76   |                       |                  |  |
|                |               |                   |         |                   |         | Greatest                            | 2.40                            | 0.0                                 |        |                  |              |                   |         |                   |                      |         |         |                       |                  |  |

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

| UPPER MARLBORO |               | PRINCE GEORGE MD  |         |                   |         |          | 7:00 AM                             | May 2008                        | 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 |                   |         |                   |         | WIND<br>SPEED<br>MPH | watts<br>per<br>sq ft | time<br>occurene |                 |  |
|                | maximum       | time<br>occurance | minimum | time<br>occurance | present |          |                                     |                                 |                                     | INCHES | reading<br>after | maximum      | time<br>occurance | minimum | time<br>occurance |         |                      |                       |                  |                 |  |
| 5 1            | 60            | 1508              | 37      | 430               | 46      |          | 0.00                                |                                 |                                     | 4.12   |                  | 68           | 1527              | 47      | 701               |         | 1.68                 | 78.98                 | 1203             |                 |  |
| 5 2            | 69            | 1636              | 46      | 700               | 62      |          | 0.02                                |                                 |                                     |        |                  | 70           | 1659              | 48      | 704               |         | 4.58                 | 71.18                 | 950              |                 |  |
| 5 3            | 84            | 1421              | 56      | 505               | 60      |          | 0.00                                |                                 |                                     |        |                  | 85           | 1456              | 56      | 700               |         | 4.39                 | 67.27                 | 1301             |                 |  |
| 5 4            | 83            | 1332              | 57      | 603               | 60      |          | 0.00                                |                                 |                                     |        |                  | 88           | 1433              | 61      | 627               |         | 6.41                 | 67.37                 | 1242             |                 |  |
| 5 5            | 72            | 1507              | 44      | 517               | 55      |          | 0.00                                |                                 |                                     | 3.33   |                  | 86           | 1511              | 54      | 600               |         | 4.16                 | 56.99                 | 1219             |                 |  |
| 5 6            | 70            | 1336              | 47      | 522               | 53      |          | 0.00                                |                                 |                                     | 3.15   |                  | 85           | 1511              | 55      | 700               |         | 3.18                 | 65.79                 | 1321             |                 |  |
| 5 7            | 78            | 1325              | 49      | 357               | 59      |          | 0.00                                |                                 |                                     | 2.95   |                  | 84           | 1400              | 56      | 700               |         | 2.91                 | 63.03                 | 1326             |                 |  |
| 5 8            | 82            | 1430              | 59      | 700               | 65      |          | 0.00                                |                                 |                                     | 2.63   |                  | 87           | 1421              | 57      | 702               |         | 9.95                 | 56.36                 | 1233             |                 |  |
| 5 9            | 71            | 1356              | 63      | 112               | 64      |          | 4.15                                |                                 |                                     | O.F.   | 2.08             | 72           | 1419              | 63      | 701               |         | 5.40                 | 35.30                 | 1329             |                 |  |
| 5 10           | 65            | 720               | 48      | 132               | 50      |          | 0.50                                |                                 |                                     |        |                  | 66           | 1107              | 52      | 449               |         | 3.32                 | 23.18                 | 1212             |                 |  |
| 5 11           | 64            | 1651              | 43      | 437               | 49      |          | 0.00                                |                                 |                                     |        |                  | 72           | 1614              | 50      | 541               |         | 2.08                 | 98.68                 | 1306             |                 |  |
| 5 12           | 63            | 1229              | 45      | 429               | 48      |          | 5.15                                |                                 |                                     | O.F.   |                  | 64           | 1345              | 47      | 542               |         | 10.23                | 60.73                 | 1213             |                 |  |
| 5 13           | 50            | 659               | 42      | 519               | 50      |          | 0.32                                |                                 |                                     | O.F.   | 1.99             | 52           | 1545              | 46      | 511               |         | 5.48                 | 20.77                 | 1455             |                 |  |
| 5 14           | 72            | 1547              | 43      | 501               | 52      |          | 0.00                                |                                 |                                     | 1.82   |                  | 85           | 1457              | 47      | 700               |         | 2.98                 | 68.39                 | 1206             |                 |  |
| 5 15           | 74            | 1242              | 52      | 700               | 64      |          | 0.00                                |                                 |                                     | 1.68   |                  | 78           | 1246              | 53      | 700               |         | 3.42                 | 61.69                 | 1100             |                 |  |
| 5 16           | 78            | 1324              | 62      | 535               | 62      |          | 0.95                                |                                 |                                     | 2.45   |                  | 89           | 1404              | 60      | 700               |         | 3.25                 | 93.38                 | 1112             |                 |  |
| 5 17           | 74            | 1249              | 47      | 432               | 55      |          | 0.00                                |                                 |                                     |        |                  | 81           | 1335              | 49      | 544               |         | 5.70                 | 104.90                | 1133             |                 |  |
| 5 18           | 76            | 1609              | 54      | 533               | 61      |          | 0.00                                |                                 |                                     |        |                  | 85           | 1416              | 50      | 700               |         | 7.53                 | 72.48                 | 1240             |                 |  |
| 5 19           | 67            | 942               | 48      | 337               | 53      |          | 0.10                                |                                 |                                     | 2.11   |                  | 69           | 1714              | 51      | 548               |         | 5.64                 | 61.06                 | 939              |                 |  |
| 5 20           | 67            | 1523              | 44      | 111               | 50      |          | 0.61                                |                                 |                                     | 2.54   |                  | 77           | 1517              | 52      | 707               |         | 5.02                 | 84.19                 | 1150             |                 |  |
| 5 21           | 59            | 1556              | 45      | 206               | 55      |          | 0.00                                |                                 |                                     | 2.48   |                  | 63           | 1557              | 50      | 530               |         | 3.70                 | 75.54                 | 1345             |                 |  |
| 5 22           | 70            | 1524              | 45      | 415               | 58      |          | 0.00                                |                                 |                                     | 2.36   |                  | 77           | 1522              | 51      | 609               |         | 4.79                 | 82.14                 | 1041             |                 |  |
| 5 23           | 69            | 1603              | 46      | 157               | 55      |          | 0.00                                |                                 |                                     | 2.16   |                  | 77           | 1603              | 49      | 538               |         | 6.06                 | 82.70                 | 1201             |                 |  |
| 5 24           | 71            | 1527              | 49      | 526               | 59      |          | 0.00                                |                                 |                                     |        |                  | 86           | 1426              | 51      | 700               |         | 3.59                 | 62.62                 | 1209             |                 |  |
| 5 25           | 74            | 1539              | 47      | 515               | 59      |          | 0.00                                |                                 |                                     |        |                  | 83           | 1500              | 54      | 608               |         | 3.82                 | 80.65                 | 1310             |                 |  |
| 5 26           | 77            | 1628              | 52      | 501               | 60      |          | 0.00                                |                                 |                                     |        |                  | 93           | 1511              | 55      | 545               |         | 4.53                 | 58.25                 | 1204             |                 |  |
| 5 27           | 85            | 1500              | 60      | 700               | 69      |          | 0.00                                |                                 |                                     | 1.26   |                  | 94           | 1430              | 56      | 701               |         | 7.06                 | 57.31                 | 1227             |                 |  |
| 5 28           | 83            | 1258              | 56      | 652               | 57      |          | T                                   |                                 |                                     | 1.10   |                  | 86           | 1504              | 58      | 655               |         | 5.91                 | 72.94                 | 1255             |                 |  |
| 5 29           | 71            | 1533              | 45      | 456               | 57      |          | T                                   |                                 |                                     | 0.93   | 1.53             | 86           | 1549              | 50      | 536               |         | 2.90                 | 68.57                 | 1330             |                 |  |
| 5 30           | 79            | 1452              | 52      | 453               | 63      |          | 0.00                                |                                 |                                     | 1.33   |                  | 94           | 1515              | 52      | 700               |         | 2.37                 | 57.43                 | 1206             |                 |  |
| 5 31           | 83            | 1456              | 62      | 701               | 72      |          | 0.00                                |                                 |                                     | 1.72   |                  | 92           | 1450              | 58      | 700               |         | 6.47                 | 71.08                 | 1049             |                 |  |
| Average        | 72            |                   | 50      |                   | 57      | Total    | 11.80                               | 0.0                             |                                     |        |                  | 80           |                   | 53      |                   |         | 4.79                 | 67.13                 |                  |                 |  |
|                |               |                   |         |                   |         | Greatest | 5.15                                | 0.0                             |                                     |        |                  |              |                   |         |                   |         |                      |                       |                  |                 |  |

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

| UPPER MARLBORO |               | PRINCE GEORGE MD  |         |                   |         |                                     | 7:00 AM                         |                                     | JUNE 2008 |                  | 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 |                   |         |                   |         |         | WIND<br>SPEED<br>MPH | watts<br>per<br>sq ft | time<br>occurene |  |
|                | maximum       | time<br>occurance | minimum | time<br>occurance | present |                                     |                                 |                                     | INCHES    | reading<br>after | maximum      | time<br>occurance | minimum | time<br>occurance |         |         |                      |                       |                  |  |
| 6 1            | 88            | 1201              | 64      | 1328              | 70      | 1.19                                |                                 |                                     |           |                  | 91           | 1209              | 66      | 507               |         | 4.53    | 72.38                | 1124                  |                  |  |
| 6 2            | 85            | 1351              | 57      | 519               | 63      | 0.00                                |                                 |                                     |           | 1.94             |              | 92                | 1349    | 59                | 555     |         | 4.08                 | 74.06                 | 1123             |  |
| 6 3            | 80            | 1553              | 54      | 453               | 65      | 0.00                                |                                 |                                     |           | 1.72             |              | 94                | 1437    | 60                | 529     |         | 2.79                 | 58.33                 | 1219             |  |
| 6 4            | 80            | 1322              | 65      | 700               | 69      | 1.08                                |                                 |                                     |           | 2.60             |              | 88                | 1328    | 61                | 700     |         | 8.38                 | 73.87                 | 1135             |  |
| 6 5            | 86            | 1302              | 64      | 505               | 70      | 1.55                                |                                 |                                     |           | 3.91             |              | 95                | 1324    | 66                | 535     |         | 3.64                 | 63.77                 | 935              |  |
| 6 6            | 85            | 1432              | 66      | 151               | 67      | 0.00                                |                                 |                                     |           |                  |              | 99                | 1459    | 67                | 700     |         | 4.52                 | 79.73                 | 1146             |  |
| 6 7            | 84            | 1603              | 66      | 705               | 72      | 0.00                                |                                 |                                     |           |                  |              | 93                | 1645    | 70                | 704     |         | 1.60                 | 83.72                 | 1246             |  |
| 6 8            | 97            | 1433              | 69      | 308               | 75      | 0.28                                |                                 |                                     |           |                  |              | 104               | 1521    | 74                | 500     |         | 2.89                 | 60.25                 | 1125             |  |
| 6 9            | 94            | 1428              | 71      | 511               | 82      | 0.00                                |                                 |                                     |           |                  |              | 102               | 1501    | 75                | 700     |         | 3.55                 | 63.88                 | 1111             |  |
| 6 10           | 96            | 1345              | 72      | 511               | 78      | 0.00                                |                                 |                                     |           |                  |              | 104               | 1406    | 76                | 541     |         | 3.55                 | 61.22                 | 1340             |  |
| 6 11           | 97            | 1325              | 69      | 451               | 73      | 0.02                                |                                 |                                     |           |                  |              | 104               | 1424    | 72                | 557     |         | 4.34                 | 54.17                 | 1211             |  |
| 6 12           | 88            | 1538              | 62      | 416               | 78      | 0.00                                |                                 |                                     |           |                  |              | 99                | 1502    | 68                | 546     |         | 2.89                 | 66.16                 | 1037             |  |
| 6 13           | 92            | 1429              | 64      | 505               | 72      | 0.00                                |                                 |                                     |           |                  |              | 102               | 1441    | 69                | 551     |         | 1.61                 | 60.26                 | 1245             |  |
| 6 14           | 88            | 1503              | 68      | 459               | 74      | 0.00                                |                                 |                                     |           |                  |              | 99                | 1356    | 69                | 612     |         | 4.27                 | 54.55                 | 1211             |  |
| 6 15           | 91            | 1430              | 69      | 459               | 71      | 0.07                                |                                 |                                     |           |                  |              | 99                | 1444    | 70                | 700     |         | 2.16                 | 66.34                 | 1137             |  |
| 6 16           | 85            | 1502              | 63      | 445               | 73      | 0.00                                |                                 |                                     |           | 1.77             |              | 97                | 1443    | 66                | 511     |         | 2.91                 | 70.99                 | 1100             |  |
| 6 17           | 87            | 1311              | 61      | 333               | 66      | 0.00                                |                                 |                                     |           | 2.40             |              | 94                | 1405    | 64                | 541     |         | 3.45                 | 77.12                 | 1204             |  |
| 6 18           | 77            | 1342              | 53      | 413               | 63      | 0.00                                |                                 |                                     |           | 2.14             |              | 92                | 1403    | 59                | 541     |         | 4.54                 | 73.31                 | 1224             |  |
| 6 19           | 79            | 1557              | 53      | 447               | 63      | T                                   |                                 |                                     |           | 1.92             |              | 90                | 1411    | 59                | 513     |         | 4.21                 | 74.99                 | 1238             |  |
| 6 20           | 78            | 1410              | 58      | 504               | 65      | 0.00                                |                                 |                                     |           | 1.75             |              | 93                | 1503    | 61                | 702     |         | 1.75                 | 84.19                 | 1146             |  |
| 6 21           | 83            | 1438              | 62      | 506               | 67      | 0.14                                |                                 |                                     |           |                  |              | 95                | 1453    | 63                | 700     |         | 4.18                 | 67.18                 | 1250             |  |
| 6 22           | 86            | 1512              | 64      | 446               | 69      | 0.00                                |                                 |                                     |           | 1.45             |              | 101               | 1453    | 66                | 700     |         | 3.06                 | 56.84                 | 1249             |  |
| 6 23           | 86            | 1413              | 65      | 1915              | 68      | 0.69                                |                                 |                                     |           | 1.93             |              | 101               | 1427    | 67                | 535     |         | 3.67                 | 69.50                 | 1316             |  |
| 6 24           | 87            | 1450              | 58      | 513               | 65      | 0.08                                |                                 |                                     |           | 1.79             |              | 99                | 1449    | 62                | 535     |         | 2.21                 | 69.50                 | 1240             |  |
| 6 25           | 82            | 1607              | 59      | 450               | 68      | 0.00                                |                                 |                                     |           | 1.53             |              | 92                | 1454    | 63                | 532     |         | 3.21                 | 72.76                 | 1327             |  |
| 6 26           | 86            | 1400              | 68      | 700               | 74      | 0.00                                |                                 |                                     |           | 1.27             |              | 95                | 1416    | 65                | 701     |         | 2.93                 | 63.67                 | 1232             |  |
| 6 27           | 92            | 1416              | 70      | 517               | 77      | 0.00                                |                                 |                                     |           | 1.08             |              | 97                | 1419    | 69                | 700     |         | 3.28                 | 74.61                 | 1101             |  |
| 6 28           | 93            | 1135              | 67      | 433               | 74      | 1.72                                |                                 |                                     |           |                  |              | 98                | 1153    | 69                | 534     |         | 2.68                 | 64.59                 | 1204             |  |
| 6 29           | 90            | 1543              | 69      | 514               | 76      | 0.22                                |                                 |                                     |           | 2.41             |              | 97                | 1543    | 70                | 700     |         | 3.32                 | 82.61                 | 1143             |  |
| 6 30           | 88            | 1422              | 69      | 518               | 74      | 0.00                                |                                 |                                     |           | 2.12             |              | 96                | 1428    | 69                | 534     |         | 5.77                 | 80.65                 | 1217             |  |
| Average        | 87            |                   | 64      |                   | 71      | Total                               | 7.04                            | 0.0                                 |           |                  |              | 97                |         | 67                |         |         | 3.53                 | 69.17                 |                  |  |
|                |               |                   |         |                   |         | Greatest                            | 1.72                            | 0.0                                 |           |                  |              |                   |         |                   |         |         |                      |                       |                  |  |

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

| UPPER MARLBORO |               | PRINCE GEORGE MD |         |                |         |                            | 7:00 AM July 2008      |                            | 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 occurane |         |                |
|                | maximum       | time occurance   | minimum | time occurance | present |                            |                        |                            | INCHES  | reading after | maximum      | time occurance |         |                        |                 |               | minimum | time occurance |
| 7 1            | 86            | 1340             | 60      | 515            | 66      | 1.12                       |                        |                            | 2.93    |               | 95           | 1345           | 64      | 537                    | 1.79            | 76.57         | 1203    |                |
| 7 2            | 81            | 1524             | 63      | 429            | 70      | 0.00                       |                        |                            | 2.70    |               | 93           | 1537           | 66      | 700                    | 2.48            | 84.65         | 1245    |                |
| 7 3            | 84            | 1404             | 63      | 337            | 71      | 0.00                       |                        |                            | 2.35    |               | 94           | 1427           | 64      | 606                    | 3.83            | 80.47         | 1147    |                |
| 7 4            | 89            | 1512             | 68      | 145            | 72      | 0.00                       |                        |                            |         |               | 93           | 1434           | 66      | 700                    | 5.21            | 56.61         | 1313    |                |
| 7 5            | 86            | 1422             | 68      | 2028           | 70      | 0.42                       |                        |                            |         |               | 96           | 1504           | 70      | 700                    | 1.55            | 75.92         | 1304    |                |
| 7 6            | 81            | 1525             | 67      | 511            | 73      | 0.00                       |                        |                            | 2.19    |               | 89           | 1539           | 70      | 528                    | 1.22            | 82.61         | 1202    |                |
| 7 7            | 84            | 1431             | 70      | 532            | 73      | 0.32                       |                        |                            | 2.39    |               | 92           | 1505           | 72      | 700                    | 0.98            | 69.23         | 1256    |                |
| 7 8            | 83            | 1217             | 68      | 534            | 71      | 0.00                       |                        |                            | 2.17    |               | 94           | 1504           | 69      | 540                    | 3.70            | 79.82         | 1116    |                |
| 7 9            | 89            | 1453             | 70      | 452            | 73      | 0.00                       |                        |                            | 1.90    |               | 100          | 1455           | 70      | 535                    | 5.27            | 57.05         | 1311    |                |
| 7 10           | 84            | 1605             | 71      | 518            | 73      | 0.39                       |                        |                            | 2.11    |               | 87           | 1603           | 71      | 701                    | 5.09            | 71.27         | 1042    |                |
| 7 11           | 86            | 1416             | 63      | 453            | 70      | 0.00                       |                        |                            | 1.91    |               | 95           | 1526           | 68      | 556                    | 1.53            | 74.15         | 1100    |                |
| 7 12           | 89            | 1514             | 67      | 529            | 73      | 0.00                       |                        |                            |         |               | 97           | 1513           | 69      | 700                    | 1.45            | 67.00         | 1225    |                |
| 7 13           | 88            | 1355             | 68      | 507            | 72      | 0.00                       |                        |                            |         |               | 98           | 1354           | 67      | 549                    | 4.55            | 60.41         | 1245    |                |
| 7 14           | 88            | 1505             | 68      | 558            | 69      | 1.03                       |                        |                            | 2.19    |               | 98           | 1420           | 69      | 700                    | 4.70            | 54.94         | 1233    |                |
| 7 15           | 82            | 1540             | 64      | 508            | 72      | 0.00                       |                        |                            | 2.04    |               | 92           | 1558           | 69      | 557                    | 0.83            | 75.92         | 1217    |                |
| 7 16           | 87            | 1538             | 63      | 513            | 73      | 0.00                       |                        |                            | 1.82    |               | 98           | 1527           | 68      | 558                    | 1.37            | 69.13         | 1200    |                |
| 7 17           | 89            | 1405             | 64      | 519            | 72      | 0.00                       |                        |                            | 1.58    |               | 100          | 1448           | 68      | 552                    | 1.71            | 57.87         | 1203    |                |
| 7 18           | 94            | 1357             | 69      | 438            | 75      | 0.00                       |                        |                            | 1.33    |               | 105          | 1421           | 69      | 700                    | 1.06            | 58.69         | 1213    |                |
| 7 19           | 91            | 1416             | 69      | 305            | 76      | 0.00                       |                        |                            |         |               | 101          | 1422           | 69      | 554                    | 2.74            | 54.80         | 1257    |                |
| 7 20           | 91            | 1505             | 73      | 432            | 78      | 0.00                       |                        |                            |         |               | 101          | 1336           | 71      | 700                    | 3.92            | 64.32         | 1226    |                |
| 7 21           | 91            | 1321             | 71      | 452            | 76      | 0.10                       |                        |                            | 0.62    | 1.33          | 101          | 1325           | 73      | 557                    | 4.22            | 59.15         | 1157    |                |
| 7 22           | 92            | 1614             | 70      | 529            | 78      | T                          |                        |                            | 1.08    |               | 99           | 1402           | 73      | 533                    | 2.65            | 66.53         | 1226    |                |
| 7 23           | 88            | 1454             | 71      | 549            | 73      | 0.00                       |                        |                            | 0.89    | 1.24          | 98           | 1513           | 72      | 603                    | 2.70            | 78.89         | 1234    |                |
| 7 24           | 85            | 1205             | 64      | 512            | 66      | 0.67                       |                        |                            | 1.74    |               | 91           | 1422           | 66      | 556                    | 3.13            | 60.32         | 1202    |                |
| 7 25           | 83            | 1649             | 60      | 525            | 63      | 0.00                       |                        |                            | 1.52    |               | 94           | 1529           | 65      | 647                    | 2.34            | 71.55         | 1236    |                |
| 7 26           | 86            | 1422             | 63      | 700            | 70      | 0.00                       |                        |                            |         |               | 98           | 1454           | 65      | 700                    | 1.92            | 67.00         | 1217    |                |
| 7 27           | 86            | 1547             | 70      | 431            | 74      | 0.00                       |                        |                            |         |               | 94           | 1307           | 67      | 700                    | 4.84            | 76.01         | 1204    |                |
| 7 28           | 88            | 1131             | 64      | 539            | 66      | 0.12                       |                        |                            | 0.98    | 1.7           | 98           | 1217           | 67      | 605                    | 1.52            | 67.37         | 1217    |                |
| 7 29           | 86            | 1445             | 66      | 700            | 71      | 0.00                       |                        |                            |         |               | 98           | 1517           | 67      | 700                    | 1.10            | 69.88         | 1159    |                |
| 7 30           | 89            | 1430             | 70      | 534            | 73      | 0.00                       |                        |                            | 1.33    |               | 98           | 1455           | 71      | 701                    | 1.71            | 56.86         | 1322    |                |
| 7 31           | 90            | 1456             | 72      | 351            | 76      | 0.00                       |                        |                            | 1.16    | 1.89          | 99           | 1355           | 73      | 700                    | 1.70            | 63.85         | 1231    |                |
| Average        | 87            |                  | 67      |                | 72      | Total                      | 4.17                   | 0.0                        |         |               | 96           |                | 69      |                        | 2.67            | 68.03         |         |                |
|                |               |                  |         |                |         | Greatest                   | 1.12                   | 0.0                        |         |               |              |                |         |                        |                 |               |         |                |

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

| UPPER MARLBORO |               |                |         |                |         | PRINCE GEORGE MD           |                        |                            | 7:00 AM August 2008 |               | 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 occurane |
|                | maximum       | time occurance | minimum | time occurance | present |                            |                        |                            | INCHES              | reading after | maximum      | time occurrence | minimum | time occurrence |         |                        |                 |               |
| 8 1            | 85            | 1655           | 70      | 306            | 77      | 0.00                       |                        |                            |                     |               | 88           | 1708            | 72      | 619             | 1.73    | 62.59                  | 933             |               |
| 8 2            | 91            | 1440           | 70      | 123            | 71      | 0.00                       |                        |                            |                     |               | 97           | 1534            | 72      | 655             | 2.49    | 65.01                  | 1208            |               |
| 8 3            | 88            | 1436           | 64      | 531            | 69      | 0.00                       |                        |                            |                     |               | 97           | 1446            | 66      | 607             | 2.17    | 67.83                  | 1103            |               |
| 8 4            | 86            | 1444           | 62      | 537            | 69      | 0.00                       |                        |                            |                     |               | 96           | 1508            | 65      | 552             | 3.13    | 61.25                  | 1201            |               |
| 8 5            | 88            | 1435           | 65      | 541            | 71      | 0.00                       |                        |                            | 0.95                | 1.69          | 97           | 1444            | 66      | 700             | 2.23    | 66.16                  | 1232            |               |
| 8 6            | 86            | 937            | 70      | 425            | 76      | 0.00                       |                        |                            | 1.59                |               | 86           | 1216            | 69      | 700             | 0.81    | 43.63                  | 937             |               |
| 8 7            | 92            | 1504           | 63      | 542            | 68      | 0.00                       |                        |                            | 1.31                |               | 96           | 1515            | 67      | 625             | 3.74    | 68.11                  | 958             |               |
| 8 8            | 87            | 1055           | 60      | 448            | 69      | 0.46                       |                        |                            | 1.58                |               | 92           | 1544            | 65      | 609             | 1.48    | 64.05                  | 1118            |               |
| 8 9            | 83            | 1520           | 59      | 523            | 66      | 0.00                       |                        |                            |                     |               | 91           | 1423            | 60      | 610             | 3.51    | 66.72                  | 1246            |               |
| 8 10           | 83            | 1559           | 59      | 521            | 65      | 0.00                       |                        |                            |                     |               | 95           | 1456            | 61      | 701             | 1.72    | 69.32                  | 1243            |               |
| 8 11           | 85            | 1422           | 57      | 530            | 64      | 0.03                       |                        |                            |                     |               | 96           | 1340            | 59      | 603             | 2.66    | 62.49                  | 1237            |               |
| 8 12           | 78            | 1501           | 61      | 546            | 65      | 0.00                       |                        |                            | 0.68                | 1.43          | 87           | 1327            | 58      | 605             | 3.37    | 71.83                  | 1213            |               |
| 8 13           | 84            | 1549           | 60      | 348            | 66      | 0.00                       |                        |                            | 1.22                | 1.98          | 93           | 1519            | 59      | 700             | 2.27    | 65.23                  | 1241            |               |
| 8 14           | 84            | 1255           | 60      | 533            | 65      | 0.00                       |                        |                            | 1.78                |               | 91           | 1412            | 64      | 604             | 2.77    | 66.90                  | 1243            |               |
| 8 15           | 86            | 1340           | 61      | 531            | 64      | 0.73                       |                        |                            | 2.29                |               | 93           | 1410            | 65      | 608             | 2.18    | 65.51                  | 1259            |               |
| 8 16           | 81            | 1249           | 61      | 546            | 66      | 0.02                       |                        |                            |                     |               | 90           | 1257            | 65      | 701             | 0.79    | 76.29                  | 1213            |               |
| 8 17           | 83            | 1408           | 58      | 547            | 63      | 0.00                       |                        |                            |                     |               | 93           | 1410            | 63      | 614             | 2.43    | 64.69                  | 1215            |               |
| 8 18           | 87            | 1532           | 61      | 543            | 65      | 0.00                       |                        |                            | 1.74                |               | 95           | 1458            | 63      | 701             | 1.19    | 55.29                  | 1227            |               |
| 8 19           | 89            | 1411           | 65      | 700            | 71      | 0.00                       |                        |                            | 1.52                |               | 97           | 1436            | 65      | 700             | 1.93    | 55.95                  | 1233            |               |
| 8 20           | 91            | 1619           | 61      | 543            | 64      | 0.00                       |                        |                            | 1.24                |               | 97           | 1315            | 62      | 634             | 2.88    | 56.63                  | 1325            |               |
| 8 21           | 81            | 1426           | 56      | 528            | 61      | 0.00                       |                        |                            | 1.78                | 1.99          | 92           | 1429            | 61      | 616             | 1.77    | 64.88                  | 1132            |               |
| 8 22           | 83            | 1619           | 58      | 550            | 63      | 0.00                       |                        |                            |                     |               | 95           | 1434            | 62      | 700             | 1.55    | 60.24                  | 1134            |               |
| 8 23           | 83            | 1412           | 58      | 540            | 64      | 0.00                       |                        |                            |                     |               | 93           | 1417            | 63      | 612             | 2.13    | 58.75                  | 1304            |               |
| 8 24           | 84            | 1449           | 64      | 700            | 67      | 0.00                       |                        |                            |                     |               | 94           | 1455            | 63      | 700             | 1.79    | 63.30                  | 1123            |               |
| 8 25           | 87            | 1443           | 67      | 543            | 71      | 0.00                       |                        |                            | 0.94                | 1.22          | 95           | 1300            | 66      | 700             | 3.02    | 59.91                  | 1300            |               |
| 8 26           | 90            | 1414           | 65      | 656            | 65      | 0.00                       |                        |                            | 1.10                | 1.48          | 96           | 1446            | 65      | 658             | 3.39    | 55.62                  | 1137            |               |
| 8 27           | 78            | 1546           | 57      | 249            | 66      | 0.00                       |                        |                            | 1.29                |               | 89           | 1513            | 62      | 612             | 2.22    | 55.77                  | 1218            |               |
| 8 28           | 78            | 1350           | 66      | 703            | 69      | 0.00                       |                        |                            | 1.20                |               | 81           | 1420            | 63      | 700             | 1.88    | 37.67                  | 951             |               |
| 8 29           | 72            | 1540           | 66      | 1123           | 69      | 0.40                       |                        |                            | 1.55                |               | 75           | 1554            | 67      | 554             | 3.22    | 20.46                  | 1433            |               |
| 8 30           | 75            | 1613           | 68      | 817            | 69      | 0.38                       |                        |                            |                     |               | 76           | 1637            | 67      | 700             | 0.84    | 25.85                  | 851             |               |
| 8 31           | 87            | 1628           | 69      | 611            | 70      | 0.00                       |                        |                            |                     |               | 97           | 1521            | 71      | 701             | 0.96    | 63.86                  | 1107            |               |
| Average        | 84            |                | 63      |                | 67      | Total                      | 2.02                   | 0.0                        |                     |               | 92           |                 | 64      |                 | 2.20    | 59.41                  |                 |               |
|                |               |                |         |                |         | Greatest                   | 0.73                   | 0.0                        |                     |               |              |                 |         |                 |         |                        |                 |               |

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RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

| UPPER MARLBORO |               | PRINCE GEORGE MD  |         |                   |         | 7:00 AM  |                                     | September 2008                  |                                     | EASTERN |                  |              |                   |         |                   |                       |                      |                       |                   |  |
|----------------|---------------|-------------------|---------|-------------------|---------|----------|-------------------------------------|---------------------------------|-------------------------------------|---------|------------------|--------------|-------------------|---------|-------------------|-----------------------|----------------------|-----------------------|-------------------|--|
| 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               | AVERAGE              |                       | SOLAR RADIATION   |  |
|                | maximum       | time<br>occurance | minimum | time<br>occurance | present |          |                                     |                                 |                                     | INCHES  | reading<br>after | maximum      | time<br>occurance | minimum | time<br>occurance |                       | WIND<br>SPEED<br>MPH | watts<br>per<br>sq ft | time<br>occurance |  |
| 9 1            | 86            | 1452              | 56      | 554               | 60      |          | 0.00                                |                                 |                                     |         |                  | 96           | 1453              | 61      | 620               |                       | 1.86                 | 53.58                 | 1008              |  |
| 9 2            | 85            | 1506              | 57      | 438               | 62      |          | 0.00                                |                                 |                                     | 1.32    |                  | 95           | 1439              | 60      | 624               |                       | 1.63                 | 50.33                 | 1201              |  |
| 9 3            | 91            | 1536              | 60      | 556               | 64      |          | 0.00                                |                                 |                                     | 1.13    |                  | 97           | 1459              | 61      | 700               |                       | 1.38                 | 49.01                 | 1207              |  |
| 9 4            | 94            | 1551              | 64      | 700               | 69      |          | 0.00                                |                                 |                                     | 0.95    |                  | 99           | 1500              | 63      | 700               |                       | 0.94                 | 48.57                 | 1213              |  |
| 9 5            | 93            | 1420              | 65      | 639               | 68      |          | 0.00                                |                                 |                                     | 0.72    | 1.10             | 98           | 1442              | 66      | 645               |                       | 3.09                 | 48.79                 | 1305              |  |
| 9 6            | 87            | 1350              | 68      | 700               | 76      |          |                                     |                                 |                                     |         |                  | 94           | 1432              | 66      | 701               |                       | 3.17                 | 61.28                 | 1424              |  |
| 9 7            | 76            | 1320              | 62      | 610               | 64      |          | 1.97                                |                                 |                                     |         |                  | 78           | 1607              | 65      | 628               | two day precipitation | 5.81                 | 27.95                 | 1607              |  |
| 9 8            | 83            | 1602              | 62      | 557               | 64      |          | 0.00                                |                                 |                                     | 2.72    |                  | 92           | 1521              | 65      | 754               |                       | 1.52                 | 49.34                 | 1139              |  |
| 9 9            | 85            | 1337              | 64      | 700               | 73      |          | 0.00                                |                                 |                                     | 2.54    |                  | 94           | 1438              | 67      | 701               |                       | 1.77                 | 48.24                 | 1144              |  |
| 9 10           | 80            | 929               | 65      | 627               | 65      |          | 0.17                                |                                 |                                     | 2.65    |                  | 81           | 1525              | 67      | 700               |                       | 2.40                 | 45.07                 | 927               |  |
| 9 11           | 75            | 1532              | 63      | 456               | 65      |          | 0.00                                |                                 |                                     | 2.49    |                  | 87           | 1539              | 66      | 745               |                       | 1.75                 | 57.67                 | 1057              |  |
| 9 12           | 79            | 1433              | 65      | 700               | 67      |          | 0.00                                |                                 |                                     |         |                  | 85           | 1450              | 66      | 702               |                       | 2.12                 | 58.55                 | 1321              |  |
| 9 13           | 77            | 1229              | 67      | 705               | 71      |          | 0.01                                |                                 |                                     |         |                  | 79           | 1345              | 68      | 704               |                       | 2.70                 | 54.37                 | 1227              |  |
| 9 14           | 90            | 1413              | 71      | 700               | 75      |          | 0.00                                |                                 |                                     |         |                  | 97           | 1446              | 71      | 700               |                       | 1.41                 | 53.87                 | 1240              |  |
| 9 15           | 92            | 1335              | 75      | 613               | 76      |          | 0.00                                |                                 |                                     | 1.96    |                  | 98           | 1341              | 72      | 654               |                       | 6.23                 | 49.47                 | 1221              |  |
| 9 16           | 84            | 1412              | 60      | 531               | 63      |          | 0.00                                |                                 |                                     | 1.72    |                  | 90           | 1439              | 62      | 658               |                       | 3.29                 | 57.22                 | 1256              |  |
| 9 17           | 73            | 1553              | 52      | 539               | 55      |          | 0.00                                |                                 |                                     | 1.63    |                  | 77           | 1424              | 56      | 637               |                       | 1.49                 | 64.48                 | 1206              |  |
| 9 18           | 77            | 1531              | 52      | 622               | 54      |          | 0.00                                |                                 |                                     | 1.50    |                  | 86           | 1544              | 56      | 700               |                       | 1.18                 | 59.65                 | 1347              |  |
| 9 19           | 80            | 1349              | 54      | 702               | 59      |          | 0.00                                |                                 |                                     | 1.35    |                  | 87           | 1349              | 57      | 701               |                       | 1.68                 | 52.24                 | 1257              |  |
| 9 20           | 73            | 1413              | 48      | 527               | 51      |          | 0.00                                |                                 |                                     |         |                  | 81           | 1424              | 51      | 649               |                       | 1.79                 | 62.01                 | 1236              |  |
| 9 21           | 72            | 1607              | 46      | 547               | 48      |          | 0.00                                |                                 |                                     |         |                  | 81           | 1500              | 51      | 701               |                       | 1.14                 | 64.10                 | 1215              |  |
| 9 22           | 81            | 1531              | 48      | 700               | 55      |          | 0.00                                |                                 |                                     | 0.99    | 1.73             | 86           | 1513              | 52      | 702               |                       | 0.68                 | 56.82                 | 1058              |  |
| 9 23           | 80            | 1343              | 55      | 700               | 59      |          | 0.00                                |                                 |                                     |         |                  | 88           | 1450              | 56      | 702               |                       | 1.77                 | 40.24                 | 1233              |  |
| 9 24           | 72            | 1300              | 49      | 425               | 53      |          | 0.00                                |                                 |                                     | 1.42    |                  | 84           | 1438              | 52      | 645               |                       | 2.93                 | 49.45                 | 1153              |  |
| 9 25           | 70            | 1406              | 53      | 700               | 57      |          | 0.00                                |                                 |                                     | 1.29    |                  | 77           | 1436              | 53      | 702               |                       | 4.63                 | 44.44                 | 1126              |  |
| 9 26           | 62            | 1204              | 57      | 700               | 60      |          | 0.54                                |                                 |                                     | 1.83    |                  | 61           | 1557              | 53      | 702               |                       | 8.71                 | 10.07                 | 858               |  |
| 9 27           | 69            | 441               | 60      | 700               | 69      |          | 0.99                                |                                 |                                     |         |                  | 69           | 1607              | 60      | 703               |                       | 3.85                 | 14.15                 | 1220              |  |
| 9 28           | 75            | 1145              | 68      | 531               | 68      |          | 0.20                                |                                 |                                     |         |                  | 81           | 1517              | 68      | 701               |                       | 1.31                 | 65.97                 | 1142              |  |
| 9 29           | 76            | 1331              | 61      | 621               | 63      |          | 0.02                                |                                 |                                     | 2.89    |                  | 80           | 1438              | 63      | 643               |                       | 1.16                 | 55.83                 | 1322              |  |
| 9 30           | 75            | 1528              | 52      | 550               | 53      |          | 0.00                                |                                 |                                     | 2.78    |                  | 78           | 1546              | 58      | 654               |                       | 2.67                 | 65.32                 | 1041              |  |
| Average        | 80            |                   | 59      |                   | 63      | Total    | 3.90                                | 0.0                             |                                     |         |                  | 86           |                   | 61      |                   |                       | 2.53                 | 50.60                 |                   |  |
|                |               |                   |         |                   |         | Greatest |                                     | 0.0                             |                                     |         |                  |              |                   |         |                   |                       |                      |                       |                   |  |

S. No. 18-9070-4

RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

| UPPER MARLBORO |               | PRINCE GEORGE MD |         |                |         |                            | 7:00 AM                |                            | October 2008 |               | 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 INCHES  | reading after | WATER TEMP F |                |         |                |         |                        | watts per sq ft | time occurane |
|                | maximum       | time occurance   | minimum | time occurance | present |                            |                        |                            |              |               | maximum      | time occurance | minimum | time occurance |         |                        |                 |               |
| 10 1           | 73            | 1426             | 53      | 700            | 54      | 0.35                       |                        |                            | 3.01         |               | 76           | 1523           | 58      | 705            | 1.87    | 53.45                  | 1142            |               |
| 10 2           | 73            | 1246             | 47      | 631            | 51      | 0.03                       |                        |                            | 2.93         |               | 76           | 1342           | 50      | 659            | 1.62    | 56.85                  | 1243            |               |
| 10 3           | 66            | 1513             | 43      | 414            | 48      | 0.00                       |                        |                            | 2.79         |               | 71           | 1516           | 48      | 642            | 2.97    | 61.12                  | 1144            |               |
| 10 4           | 74            | 1532             | 48      | 700            | 50      | 0.00                       |                        |                            |              |               | 77           | 1528           | 48      | 701            | 2.43    | 43.46                  | 1158            |               |
| 10 5           | 72            | 1526             | 50      | 622            | 51      | 0.00                       |                        |                            |              |               | 81           | 1539           | 55      | 710            | 1.07    | 49.21                  | 1024            |               |
| 10 6           | 75            | 1509             | 48      | 232            | 52      | 0.00                       |                        |                            | 2.41         |               | 82           | 1504           | 55      | 632            | 1.23    | 36.46                  | 1221            |               |
| 10 7           | 68            | 1539             | 39      | 625            | 41      | 0.00                       |                        |                            | 2.31         |               | 72           | 1420           | 46      | 646            | 1.62    | 39.79                  | 1130            |               |
| 10 8           | 66            | 1509             | 41      | 700            | 43      | 0.00                       |                        |                            | 2.19         |               | 75           | 1513           | 46      | 714            | 1.17    | 37.56                  | 1209            |               |
| 10 9           | 69            | 1451             | 43      | 700            | 63      | 0.00                       |                        |                            | 2.11         |               | 71           | 1450           | 48      | 702            | 3.16    | 38.84                  | 1125            |               |
| 10 10          | 81            | 1440             | 55      | 633            | 55      | 0.00                       |                        |                            | 2.01         |               | 83           | 1441           | 60      | 658            | 1.47    | 39.57                  | 1052            |               |
| 10 11          | 75            | 1505             | 45      | 636            | 46      | 0.00                       |                        |                            |              |               | 82           | 1437           | 51      | 659            | 1.42    | 35.78                  | 1104            |               |
| 10 12          | 74            | 1523             | 45      | 627            | 46      | 0.00                       |                        |                            |              |               | 79           | 1511           | 51      | 648            | 0.97    | 36.68                  | 1201            |               |
| 10 13          | 76            | 1247             | 46      | 700            | 47      | 0.00                       |                        |                            | 1.63         |               | 81           | 1522           | 51      | 703            | 0.82    | 33.12                  | 1210            |               |
| 10 14          | 81            | 1459             | 47      | 700            | 51      | 0.00                       |                        |                            | 1.54         |               | 81           | 1516           | 52      | 702            | 1.06    | 51.08                  | 1256            |               |
| 10 15          | 85            | 1448             | 51      | 700            | 62      | 0.00                       |                        |                            | 1.42         |               | 84           | 1503           | 54      | 703            | 1.02    | 34.63                  | 1141            |               |
| 10 16          | 84            | 1436             | 62      | 700            | 64      | 0.00                       |                        |                            | 1.31         |               | 86           | 1434           | 63      | 641            | 1.01    | 38.78                  | 1237            |               |
| 10 17          | 85            | 1152             | 54      | 700            | 54      | T                          |                        |                            | 1.15         |               | 80           | 1351           | 54      | 658            | 5.11    | 45.19                  | 1041            |               |
| 10 18          | 63            | 1327             | 49      | 700            | 49      | 0.00                       |                        |                            |              |               | 70           | 1344           | 47      | 659            | 4.18    | 45.88                  | 1057            |               |
| 10 19          | 60            | 1432             | 39      | 650            | 40      | 0.00                       |                        |                            |              |               | 68           | 1420           | 38      | 656            | 4.49    | 36.60                  | 1239            |               |
| 10 20          | 58            | 1524             | 31      | 645            | 31      | 0.00                       |                        |                            | T.L.         | 2.64          | 67           | 1446           | 38      | 648            | 3.60    | 32.97                  | 1214            |               |
| 10 21          | 65            | 1516             | 31      | 700            | 40      | 0.00                       |                        |                            | 2.48         |               | 73           | 1425           | 38      | 703            | 1.05    | 32.80                  | 1306            |               |
| 10 22          | 66            | 1228             | 39      | 701            | 42      | 0.00                       |                        |                            | 2.30         |               | 66           | 1422           | 40      | 646            | 5.63    | 42.17                  | 1120            |               |
| 10 23          | 56            | 1407             | 32      | 449            | 33      | 0.00                       |                        |                            | 2.20         |               | 63           | 1501           | 38      | 415            | 5.04    | 32.50                  | 1210            |               |
| 10 24          | 59            | 1317             | 33      | 700            | 35      | 0.00                       |                        |                            | 2.11         |               | 65           | 1508           | 37      | 818            | 1.39    | 39.51                  | 1301            |               |
| 10 25          | 59            | 658              | 35      | 700            | 59      | 0.05                       |                        |                            |              |               | 56           | 1611           | 40      | 718            | 2.43    | 36.56                  | 1110            |               |
| 10 26          | 68            | 1111             | 38      | 633            | 39      | 0.72                       |                        |                            |              |               | 67           | 1424           | 46      | 659            | 5.11    | 27.68                  | 922             |               |
| 10 27          | 65            | 1428             | 39      | 704            | 48      | 0.00                       |                        |                            | 2.63         |               | 68           | 1441           | 46      | 702            | 2.51    | 35.06                  | 1216            |               |
| 10 28          | 53            | 807              | 39      | 1509           | 42      | 0.48                       |                        |                            | 3.00         |               | 50           | 1111           | 41      | 655            | 4.64    | 16.89                  | 941             |               |
| 10 29          | 51            | 1332             | 40      | 617            | 41      | 0.01                       |                        |                            | 2.87         |               | 52           | 1405           | 36      | 447            | 9.83    | 45.37                  | 1036            |               |
| 10 30          | 52            | 1305             | 36      | 240            | 36      | 0.00                       |                        |                            |              |               | 48           | 1413           | 35      | 735            | 5.09    | 54.98                  | 1243            |               |
| 10 31          | 54            | 1622             | 29      | 631            | 29      | 0.00                       |                        |                            | 2.64         |               | 59           | 1458           | 37      | 714            | 2.76    | 39.24                  | 1147            |               |
| Average        | 68            |                  | 43      |                | 46      | Total                      | 1.64                   | 0.0                        |              |               | 71           |                | 47      |                | 2.83    | 40.32                  |                 |               |
|                |               |                  |         |                |         | Greatest                   | 0.72                   | 0.0                        |              |               |              |                |         |                |         |                        |                 |               |

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RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

| UPPER MARLBORO |               |                |         |                |         | PRINCE GEORGE MD           |                        |                            | 7:00 AM |               | November 2008 |                | 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 occurane |         |                        |                 |  |
|                | maximum       | time occurance | minimum | time occurance | present |                            |                        |                            | INCHES  | reading after | maximum       | time occurance | minimum | time occurance |                 |               |         |                        |                 |  |
| 11 1           | 68            | 1449           | 29      | 700            | 37      | 0.00                       |                        |                            | 2.53    |               | 65            | 1510           | 38      | 800            |                 | 2.05          | 38.39   | 1200                   |                 |  |
| 11 2           | 75            | 1425           | 37      | 700            | 51      | 0.00                       |                        |                            |         |               | 70            | 1529           | 42      | 706            |                 | 2.28          | 37.11   | 1206                   |                 |  |
| 11 3           | 57            | 1357           | 48      | 558            | 48      | 0.00                       |                        |                            | 2.31    |               | 63            | 1420           | 49      | 641            |                 | 2.76          | 38.29   | 1254                   |                 |  |
| 11 4           | 60            | 1528           | 47      | 2355           | 53      | 0.00                       |                        |                            | 2.27    |               | 58            | 1603           | 49      | 734            |                 | 0.69          | 18.49   | 1012                   |                 |  |
| 11 5           | 58            | 1322           | 53      | 700            | 56      | 0.13                       |                        |                            | 2.42    |               | 58            | 1557           | 51      | 709            |                 | 2.23          | 12.83   | 1323                   |                 |  |
| 11 6           | 67            | 1331           | 55      | 703            | 58      | 0.22                       |                        |                            |         |               | 66            | 1358           | 54      | 700            |                 | 10.06         | 36.48   | 1328                   |                 |  |
| 11 7           | 65            | 1540           | 54      | 641            | 55      | 0.08                       |                        |                            |         |               | 63            | 1557           | 56      | 700            |                 | 6.82          | 10.57   | 851                    |                 |  |
| 11 8           | 73            | 1452           | 55      | 701            | 55      | 0.00                       |                        |                            |         |               | 73            | 1519           | 55      | 650            |                 | 1.56          | 44.04   | 1124                   |                 |  |
| 11 9           | 67            | 1417           | 41      | 659            | 41      | 0.00                       |                        |                            |         |               | 69            | 1431           | 46      | 656            |                 | 1.91          | 38.64   | 1256                   |                 |  |
| 11 10          | 61            | 1430           | 36      | 524            | 37      | 0.00                       |                        |                            |         |               | 64            | 1438           | 41      | 653            |                 | 2.87          | 31.59   | 1252                   |                 |  |
| 11 11          | 52            | 1317           | 31      | 655            | 32      | 0.00                       |                        |                            |         |               | 58            | 1421           | 35      | 627            |                 | 4.97          | 33.87   | 1213                   |                 |  |
| 11 12          | 51            | 1344           | 31      | 708            | 41      | 0.00                       |                        |                            |         |               | 55            | 1456           | 35      | 703            |                 | 1.41          | 27.93   | 1202                   |                 |  |
| 11 13          | 52            | 1259           | 41      | 239            | 47      | 0.00                       |                        |                            |         |               | 52            | 1532           | 42      | 712            |                 | 0.99          | 26.68   | 1218                   |                 |  |
| 11 14          | 52            | 659            | 47      | 731            | 52      | 0.88                       |                        |                            | 2.76    |               | 51            | 700            | 44      | 702            |                 | 1.65          | 3.35    | 1057                   |                 |  |
| 11 15          | 61            | 659            | 52      | 702            | 61      | 0.00                       |                        |                            |         |               | 57            | 657            | 51      | 700            |                 | 1.62          | 8.04    | 1152                   |                 |  |
| 11 16          | 74            | 1359           | 42      | 500            | 43      | 0.00                       |                        |                            |         |               | 71            | 1416           | 42      | 658            |                 | 7.84          | 40.68   | 1223                   |                 |  |
| 11 17          | 51            | 1501           | 32      | 532            | 33      | 1.01                       |                        |                            | 3.43    |               | 50            | 1511           | 37      | 659            |                 | 6.13          | 48.58   | 1125                   |                 |  |
| 11 18          | 49            | 1213           | 31      | 653            | 31      | 0.00                       |                        |                            |         |               | 51            | 1408           | 37      | 716            |                 | 3.38          | 40.32   | 1144                   |                 |  |
| 11 19          | 39            | 1127           | 26      | 700            | 26      | 0.00                       |                        |                            |         |               | 43            | 1355           | 33      | 659            |                 | 8.82          | 40.49   | 1153                   |                 |  |
| 11 20          | 39            | 1412           | 26      | 700            | 34      | 0.00                       |                        |                            |         |               | 46            | 1402           | 33      | 732            |                 | 3.51          | 30.80   | 1323                   |                 |  |
| 11 21          | 47            | 1150           | 30      | 645            | 31      | 0.00                       |                        |                            | 3.14    |               | 49            | 1303           | 36      | 830            |                 | 4.80          | 32.46   | 1147                   |                 |  |
| 11 22          | 39            | 1128           | 25      | 656            | 26      | 0.02                       |                        |                            |         |               | 42            | 1249           | 32      | 700            |                 | 7.29          | 18.83   | 1356                   |                 |  |
| 11 23          | 37            | 1416           | 23      | 658            | 23      | 0.00                       |                        |                            |         |               | 46            | 1434           | 32      | 729            |                 | 4.23          | 37.64   | 1212                   |                 |  |
| 11 24          | 45            | 1448           | 21      | 338            | 22      | 0.00                       |                        |                            | 2.97    |               | 46            | 1416           | 33      | 736            |                 | 1.41          | 26.63   | 1200                   |                 |  |
| 11 25          | 54            | 1434           | 22      | 700            | 43      | 0.07                       |                        |                            | 2.99    |               | 47            | 1504           | 33      | 713            |                 | 7.65          | 35.26   | 1156                   |                 |  |
| 11 26          | 48            | 1208           | 32      | 650            | 33      | 0.00                       |                        |                            | 2.89    |               | 53            | 1243           | 36      | 658            |                 | 6.67          | 30.60   | 1242                   |                 |  |
| 11 27          | 45            | 1051           | 23      | 659            | 23      | 0.00                       |                        |                            |         |               | 45            | 1340           | 35      | 656            |                 | 2.95          | 35.56   | 1132                   |                 |  |
| 11 28          | 52            | 1403           | 22      | 711            | 38      | 0.00                       |                        |                            |         |               | 51            | 1521           | 34      | 737            |                 | 1.56          | 25.42   | 1205                   |                 |  |
| 11 29          | 47            | 1411           | 27      | 636            | 27      | 0.24                       |                        |                            |         |               | 43            | 1546           | 35      | 659            |                 | 0.89          | 18.00   | 1027                   |                 |  |
| 11 30          | 51            | 1448           | 26      | 720            | 37      | 0.51                       |                        |                            |         |               | 51            | 1532           | 34      | 728            |                 | 1.03          | 25.36   | 1201                   |                 |  |
| Average        | 55            |                | 36      |                | 40      | Total                      | 3.16                   | 0.0                        |         |               | 55            |                | 40      |                |                 | 3.73          | 29.76   |                        |                 |  |
|                |               |                |         |                |         | Greatest                   | 1.01                   | 0.0                        |         |               |               |                |         |                |                 |               |         |                        |                 |  |

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RECORD OF CLIMATOLOGICAL OBSERVATIONS AND EVAPORATION

| UPPER MARLBORO |               | PRINCE GEORGE MD  |         |                   |         |                                     | 7:00 AM                         |                                     | December 2008 |       | 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 |                   |         |                   |         |         | WIND<br>SPEED<br>MPH | watts<br>per<br>sq ft | time<br>occurene |
|                | maximum       | time<br>occurance | minimum | time<br>occurance | present |                                     |                                 |                                     | reading       | after | maximum      | time<br>occurance | minimum | time<br>occurance |         |         |                      |                       |                  |
| 12 1           | 57            | 2313              | 37      | 700               | 43      | 0.00                                |                                 |                                     |               |       | 45           | 133               | 39      | 901               | 4.91    | 3.71    | 1148                 |                       |                  |
| 12 2           | 51            | 1456              | 31      | 641               | 31      | 0.00                                |                                 |                                     |               |       | 51           | 1459              | 37      | 700               | 10.20   | 35.26   | 1124                 |                       |                  |
| 12 3           | 45            | 1322              | 23      | 659               | 23      | 0.00                                |                                 |                                     |               |       | 47           | 1341              | 34      | 741               | 1.53    | 32.33   | 1237                 |                       |                  |
| 12 4           | 48            | 1354              | 23      | 701               | 40      | 0.00                                |                                 |                                     |               |       | 50           | 1500              | 36      | 727               | 4.19    | 25.00   | 1212                 |                       |                  |
| 12 5           | 54            | 1229              | 28      | 621               | 29      | 0.05                                |                                 |                                     |               |       | 51           | 1520              | 36      | 738               | 4.34    | 30.23   | 1203                 |                       |                  |
| 12 6           | 41            | 1405              | 17      | 655               | 18      | 0.00                                |                                 |                                     |               |       | 46           | 1433              | 33      | 658               | 2.52    | 27.51   | 1228                 |                       |                  |
| 12 7           | 36            | 1536              | 17      | 707               | 30      | 0.04                                | 0.3                             | T                                   |               |       | 40           | 1152              | 33      | 747               | 1.75    | 21.11   | 1131                 |                       |                  |
| 12 8           | 34            | 939               | 21      | 443               | 23      | 0.00                                |                                 |                                     |               |       | 41           | 1440              | 31      | 542               | 7.70    | 34.61   | 1126                 |                       |                  |
| 12 9           | 35            | 657               | 23      | 704               | 35      | 0.00                                |                                 |                                     |               |       | 40           | 1439              | 31      | 744               | 1.47    | 25.45   | 930                  |                       |                  |
| 12 10          | 62            | 206               | 35      | 700               | 61      | 0.03                                |                                 |                                     |               |       | 52           | 700               | 33      | 716               | 6.15    | 32.43   | 1243                 |                       |                  |
| 12 11          | 66            | 1252              | 42      | 659               | 42      | 0.29                                |                                 |                                     |               |       | 61           | 1615              | 50      | 700               | 6.20    | 9.96    | 1222                 |                       |                  |
| 12 12          | 42            | 700               | 39      | 104               | 39      | 1.34                                |                                 |                                     |               |       | 50           | 700               | 40      | 658               | 4.78    | 3.25    | 1050                 |                       |                  |
| 12 13          | 44            | 1329              | 28      | 302               | 30      | 0.10                                |                                 |                                     |               |       | 49           | 1428              | 36      | 654               | 6.91    | 40.45   | 1209                 |                       |                  |
| 12 14          | 39            | 1316              | 23      | 10                | 32      | 0.00                                |                                 |                                     |               |       | 47           | 1447              | 35      | 659               | 2.56    | 28.42   | 1142                 |                       |                  |
| 12 15          | 50            | 1447              | 32      | 750               | 46      | 0.00                                |                                 |                                     |               |       | 48           | 1530              | 35      | 724               | 4.68    | 29.77   | 1138                 |                       |                  |
| 12 16          | 69            | 1438              | 41      | 656               | 41      | 0.13                                |                                 |                                     |               |       | 62           | 1600              | 42      | 708               | 8.58    | 36.51   | 1223                 |                       |                  |
| 12 17          | 41            | 720               | 34      | 413               | 35      | 0.57                                |                                 |                                     |               |       | 46           | 700               | 37      | 657               | 3.35    | 11.48   | 1320                 |                       |                  |
| 12 18          | 47            | 1529              | 34      | 657               | 34      | 0.02                                |                                 |                                     |               |       | 44           | 1605              | 37      | 725               | 1.80    | 16.90   | 1400                 |                       |                  |
| 12 19          | 42            | 1400              | 34      | 712               | 38      | 0.07                                |                                 |                                     |               |       | 45           | 1512              | 40      | 756               | 0.81    | 29.42   | 1353                 |                       |                  |
| 12 20          | 45            | 1732              | 36      | 634               | 36      | 0.47                                |                                 |                                     |               |       | 42           | 1859              | 40      | 657               | 1.95    | 4.63    | 1157                 |                       |                  |
| 12 21          | 37            | 849               | 29      | 414               | 30      | 0.00                                |                                 |                                     |               |       | 40           | 1224              | 35      | 659               | 2.58    | 7.03    | 1028                 |                       |                  |
| 12 22          | 43            | 1513              | 16      | 651               | 16      | 0.00                                |                                 |                                     |               |       | 42           | 1501              | 31      | 626               | 7.53    | 48.14   | 1142                 |                       |                  |
| 12 23          | 28            | 1511              | 13      | 645               | 13      | 0.00                                |                                 |                                     |               |       | 41           | 1439              | 31      | 607               | 6.37    | 33.13   | 1213                 |                       |                  |
| 12 24          | 38            | 620               | 13      | 735               | 37      | 0.00                                |                                 |                                     |               |       | 40           | 1509              | 31      | 713               | 3.98    | 35.55   | 1310                 |                       |                  |
| 12 25          | 62            | 2233              | 37      | 721               | 46      | 0.00                                |                                 |                                     |               |       | 47           | 249               | 33      | 700               | 9.82    | 21.59   | 1231                 |                       |                  |
| 12 26          | 49            | 1217              | 23      | 630               | 24      | 0.00                                |                                 |                                     |               |       | 55           | 1431              | 37      | 658               | 4.41    | 38.11   | 1005                 |                       |                  |
| 12 27          | 42            | 1211              | 24      | 725               | 41      | 0.06                                |                                 |                                     |               |       | 44           | 1404              | 37      | 749               | 0.80    | 44.77   | 1158                 |                       |                  |
| 12 28          | 63            | 1424              | 41      | 700               | 61      | 0.00                                |                                 |                                     |               |       | 56           | 1711              | 40      | 713               | 6.61    | 42.91   | 1131                 |                       |                  |
| 12 29          | 69            | 1428              | 40      | 522               | 41      | 0.00                                |                                 |                                     |               |       | 64           | 1454              | 41      | 659               | 7.95    | 31.86   | 951                  |                       |                  |
| 12 30          | 52            | 1544              | 36      | 2011              | 43      | 0.00                                |                                 |                                     |               |       | 52           | 1445              | 38      | 426               | 6.14    | 32.13   | 1206                 |                       |                  |
| 12 31          | 55            | 1358              | 31      | 611               | 34      | 0.00                                |                                 |                                     |               |       | 52           | 1508              | 38      | 750               | 3.36    | 32.04   | 1216                 |                       |                  |
| Average        | 48            |                   | 29      |                   | 35      | Total                               | 3.17                            | 0.3                                 |               |       | 48           |                   | 36      |                   | 4.71    | 27.28   |                      |                       |                  |
|                |               |                   |         |                   |         | Greatest                            | 1.34                            | 0.3                                 |               |       |              |                   |         |                   |         |         |                      |                       |                  |

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