

APL Weather Summary - July 2005

| Monthly Observation Summary - July 2005   |                    |                    |                   |                     |                    |                          |                    |            |            |                      |                      |                |                |
|---|--------------------|--------------------|-------------------|---------------------|--------------------|--------------------------|--------------------|------------|------------|----------------------|----------------------|----------------|----------------|
| Station "APLMD" (JHU/Applied Physics Laboratory), Laurel, MD (39°10'02"N, 76°53'52"W, 438 ft) |                    |                    |                   |                     |                    |                          |                    |            |            |                      |                      |                |                |
| Day   | Max. Temp.<br>(°F) | Min. Temp.<br>(°F) | Rain Day<br>(in.) | Rain Month<br>(in.) | Rain Year<br>(in.) | Max. Rn Rate<br>(in./hr) | Peak Gust<br>(mph) | Max. Light | Last Light | Min. Press.<br>(in.) | Max. Press.<br>(in.) | Min. RH<br>(%) | Max. RH<br>(%) |
| 1   | 91                 | 73                 | 0.00              | 0.00                | 18.60              | 0.00                     | 18                 | 47         | 20:07      | 29.66                | 29.80                | 42             | 93             |
| 2   | 86                 | 71                 | 0.00              | 0.00                | 18.60              | 0.00                     | 16                 | 51         | 20:06      | 29.71                | 29.96                | 43             | 83             |
| 3   | 83                 | 64                 | 0.00              | 0.00                | 18.60              | 0.00                     | 15                 | 52         | 19:46      | 29.95                | 30.12                | 48             | 84             |
| 4   | 86                 | 66                 | 0.00              | 0.00                | 18.60              | 0.00                     | 13                 | 47         | 19:53      | 30.04                | 30.15                | 50             | 83             |
| 5   | 86                 | 69                 | 0.31              | 0.31                | 18.91              | 1.24                     | 27                 | 51         | 19:19      | 29.87                | 30.07                | 61             | 97             |
| 6   | 84                 | 68                 | 0.00              | 0.31                | 18.91              | 0.00                     | 17                 | 51         | 19:55      | 29.85                | 29.95                | 59             | 100            |
| 7   | 82                 | 68                 | 0.37              | 0.68                | 19.28              | 0.16                     | 21                 | 45         | 18:24      | 29.93                | 30.02                | 67             | 100            |
| 8   | 78                 | 63                 | 2.02              | 2.70                | 21.30              | 2.16                     | 31                 | 54         | 20:03      | 29.82                | 30.01                | 60             | 100            |
| 9   | 86                 | 64                 | 0.00              | 2.70                | 21.30              | 0.00                     | 17                 | 48         | 20:07      | 29.96                | 30.04                | 40             | 99             |
| 10  | 89                 | 67                 | 0.00              | 2.70                | 21.30              | 0.00                     | 13                 | 48         | 20:08      | 30.04                | 30.12                | 33             | 78             |
| 11  | 90                 | 67                 | 0.00              | 2.70                | 21.30              | 0.00                     | 12                 | 53         | 20:02      | 29.99                | 30.07                | 42             | 89             |
| 12  | 94                 | 69                 | 0.00              | 2.70                | 21.30              | 0.00                     | 13                 | 52         | 19:55      | 29.93                | 30.02                | 38             | 95             |
| 13  | 88                 | 71                 | 0.37              | 3.07                | 21.67              | 1.80                     | 33                 | 53         | 19:21      | 29.87                | 29.98                | 65             | 98             |
| 14  | 85                 | 72                 | 0.72              | 3.79                | 22.39              | 1.08                     | 21                 | 55         | 19:58      | 29.88                | 29.95                | 71             | 98             |
| 15  | 85                 | 73                 | 0.69              | 4.48                | 23.08              | 2.64                     | 14                 | 51         | 19:16      | 29.93                | 30.02                | 68             | 99             |
| 16  | 85                 | 72                 | 0.92              | 5.40                | 24.00              | 1.92                     | 17                 | 49         | 19:49      | 29.98                | 30.05                | 76             | 98             |
| 17  | 91                 | 73                 | 0.00              | 5.40                | 24.00              | 0.00                     | 9                  | 52         | 19:44      | 29.93                | 30.02                | 58             | 100            |
| 18  | 91                 | 76                 | 0.05              | 5.45                | 24.05              | 0.16                     | 17                 | 54         | 20:00      | 29.90                | 29.99                | 55             | 94             |
| 19  | 89                 | 75                 | 0.00              | 5.45                | 24.05              | 0.00                     | 19                 | 52         | 18:57      | 29.88                | 29.96                | 59             | 96             |
| 20  | 89                 | 74                 | 0.00              | 5.45                | 24.05              | 0.00                     | 15                 | 53         | 20:06      | 29.93                | 30.02                | 45             | 90             |
| 21  | 93                 | 70                 | 0.00              | 5.45                | 24.05              | 0.00                     | 13                 | 48         | 20:13      | 29.85                | 29.99                | 39             | 93             |
| 22  | 91                 | 72                 | 0.00              | 5.45                | 24.05              | 0.00                     | 14                 | 54         | 20:03      | 29.87                | 29.91                | 46             | 94             |
| 23  | 84                 | 68                 | 0.22              | 5.67                | 24.27              | 1.08                     | 27                 | 53         | 20:06      | 29.90                | 30.04                | 40             | 96             |
| 24  | 86                 | 63                 | 0.00              | 5.67                | 24.27              | 0.00                     | 10                 | 57         | 19:13      | 29.93                | 30.09                | 29             | 83             |
| 25  | 93                 | 68                 | 0.17              | 5.84                | 24.44              | 0.36                     | 27                 | 52         | 19:37      | 29.79                | 29.98                | 59             | 98             |
| 26  | 95                 | 75                 | 0.00              | 5.84                | 24.44              | 0.00                     | 16                 | 49         | 19:54      | 29.77                | 29.88                | 46             | 85             |
| 27  | 97                 | 73                 | 0.40              | 6.24                | 24.84              | 1.36                     | 39                 | 48         | 18:04      | 29.69                | 29.88                | 43             | 100            |
| 28  | 81                 | 67                 | 0.00              | 6.24                | 24.84              | 0.00                     | 18                 | 60         | 19:20      | 29.87                | 30.02                | 47             | 95             |
| 29  | 76                 | 70                 | 0.64              | 6.88                | 25.48              | 1.68                     | 11                 | 20         | 19:29      | 30.02                | 30.10                | 75             | 98             |
| 30  | 83                 | 69                 | 0.00              | 6.88                | 25.48              | 0.00                     | 16                 | 56         | 19:45      | 30.07                | 30.16                | 57             | 100            |
| 31  | 82                 | 68                 | 0.00              | 6.88                | 25.48              | 0.00                     | 13                 | 55         | 19:36      | 30.09                | 30.16                | 63             | 99             |
| Avg.  | 87.1               | 69.6               |                   |                     |                    |                          |                    |            |            |                      |                      |                |                |
| Max.  | 97                 |                    | 2.02              |                     |                    | 2.64                     | 39                 | 60         |            |                      | 30.16                | 76             | 100            |
| Min.  |                    | 63                 |                   |                     |                    |                          | 9                  | 20         |            | 29.66                |                      | 29             | 78             |

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