



# MARCH 2009 LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

HUNTINGTON, WV  
TRI-STATE/M.J.FERGUSON FIELD AIRPORT (KHTS)  
Lat:38° 22'N Long: 82° 33'W Elev (Ground) 824 Feet  
Time Zone : EASTERN WBAN: 03860 ISSN#: 0198-5655



| Date<br>1                 | Temperature °F |              |              |                         |                        |                          | Deg Days<br>BASE 65° |              | WEATHER<br>10 | SNOW/ICE<br>ON GND(IN)                           |                   | PRECIPITATION<br>ON GND(IN) |                   | PRESSURE<br>(INCHES OF HG) |                            | WIND SPEED = MPH<br>DIR = TENS OF DEGREES |               |                                   |         |                        |       |     |    | Date<br>24                    |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
|---------------------------|----------------|--------------|--------------|-------------------------|------------------------|--------------------------|----------------------|--------------|---------------|--|-------------------|-----------------------------|-------------------|----------------------------|----------------------------|---|---------------|-----------------------------------|---------|------------------------|-------|-----|----|-------------------------------|--|--|--|---|--|-------------------------|--|-------|--|---------------------------------|--|-----|--|-------|--|--|--|--------------------|--|--|--|--|--|--|--|--|--|
|                           | MAXIMUM<br>2   | MINIMUM<br>3 | AVERAGE<br>4 | DEP FROM<br>NORMAL<br>5 | AVERAGE<br>DEW PT<br>6 | AVERAGE<br>WET BULB<br>7 | HEATING<br>8         | COOLING<br>9 |               | 0700<br>LST<br>11                                | 1300<br>LST<br>12 | 2400<br>LST<br>13           | 2400<br>LST<br>14 | AVERAGE<br>STATION<br>15   | AVERAGE<br>SEA LEVEL<br>16 | RESULTANT<br>SPEED<br>17                  | RES DIR<br>18 | AVERAGE<br>SPEED<br>19            | MAXIMUM |                        |       |     |    |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
|                           |                |              |              |                         |                        |                          |                      |              |               |  |                   |                             |                   |                            |                            |   |               |                                   | 3-SEC   |                        | 2-MIN |     |    |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 20                        | 21             | 22           | 23           | 24                      |                        |                          |                      |              |               |  |                   |                             |                   |                            |                            |   |               |                                   |         |                        |       |     |    |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 01                        | 40             | 23           | 32           | -9                      | 20                     | 27                       | 33                   | 0            | RA FZRA BR    | 0  |                   | 0.0                         | T                 | 29.16                      | 30.10                      | 10.0                                      | 36            | 10.4                              | 32      | 34                     | 22    | 35  | 01 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 02                        | 28             | 14           | 21           | -20                     | 5                      | 16                       | 44                   | 0            |               | 0  |                   | 0.0                         | 0.00              | 29.36                      | 30.33                      | 9.2                                       | 34            | 9.7                               | 29      | 01                     | 18    | 01  | 02 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 03                        | 31             | 10*          | 21*          | -21                     | 3                      | 16                       | 44                   | 0            |               | 0  |                   | 0.0                         | 0.00              | 29.54                      | 30.49                      | 2.0                                       | 02            | 4.1                               | 15      | 02                     | 12    | 36  | 03 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 04                        | 46             | 15           | 31           | -11                     | 8                      | 24                       | 34                   | 0            |               | 0  |                   | 0.0                         | 0.00              | 29.47                      | 30.39                      | 0.9                                       | 13            | 1.9                               | 13      | 21                     | 9     | 21  | 04 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 05                        | 67             | 27           | 47           | 5                       | 24                     | 38                       | 18                   | 0            |               | 0  |                   | 0.0                         | 0.00              | 29.32                      | 30.21                      | 6.6                                       | 19            | 7.7                               | 22      | 19                     | 17    | 18  | 05 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 06                        | 73             | 57           | 65           | 22                      | 43                     | 53                       | 0                    | 0            |               | 0  |                   | 0.0                         | 0.00              | 29.18                      | 30.08                      | 10.0                                      | 22            | 10.7                              | 30      | 23                     | 21    | 24  | 06 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 07                        | 80             | 57           | 69*          | 26                      | 49                     | 57                       | 0                    | 4            |               | 0  |                   | 0.0                         | 0.00              | 29.18                      | 30.05                      | 10.0                                      | 21            | 10.5                              | 33      | 22                     | 23    | 21  | 07 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 08                        | 75             | 61           | 68           | 25                      | 51                     | 58                       | 0                    | 3            | RA            | 0  |                   | 0.0                         | T                 | 29.02                      | 29.89                      | 10.9                                      | 21            | 11.1                              | 41*     | 23                     | 26    | 23  | 08 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 09                        | 63             | 46           | 55           | 11                      | 37                     | 47                       | 10                   | 0            |               | 0  |                   | 0.0                         | 0.00              | 29.19                      | 30.11                      | 3.4                                       | 28            | 6.4                               | 31      | 25                     | 22    | 27  | 09 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 10                        | 80*            | 48           | 64           | 20                      | 44                     | 54                       | 1                    | 0            |               | 0  |                   | 0.0                         | 0.00              | 29.12                      | 29.99                      | 6.2                                       | 21            | 7.8                               | 39      | 21                     | 21    | 23  | 10 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 11                        | 72             | 36           | 54           | 10                      | 32                     | 43                       | 11                   | 0            | RA            | 0  |                   | 0.0                         | 0.03              | 29.27                      | 30.21                      | 8.4                                       | 27            | 10.1                              | 33      | 24                     | 24    | 25  | 11 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 12                        | 37             | 28           | 33           | -11                     | 22                     | 29                       | 32                   | 0            | SN BR         | 0  |                   | T                           | 0.03              | 29.59                      | 30.51                      | 2.9                                       | 02            | 3.9                               | 14      | 03                     | 10    | 36  | 12 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 13                        | 47             | 30           | 39           | -6                      | 30                     | 35                       | 26                   | 0            | SN BR         | 0  |                   | T                           | T                 | 29.42                      | 30.34                      | 2.4                                       | 07            | 3.7                               | 13      | 03                     | 9     | 05  | 13 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 14                        | 45             | 37           | 41           | -4                      | 39                     | 41                       | 24                   | 0            | RA BR         | 0  |                   | 0.0                         | 0.39              | 29.24                      | 30.14                      | 4.3                                       | 05            | 4.5                               | 13      | 06                     | 10    | 05  | 14 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 15                        | 53             | 44           | 49           | 4                       | 47                     | 48                       | 16                   | 0            | RA FG+ FG BR  | 0  |                   | 0.0                         | T                 | 29.16                      | 30.08                      | 0.4                                       | 03            | 0.4                               | 7       | 35                     | 6     | 36  | 15 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 16                        | 55             | 44           | 50           | 4                       | 50                     | 50                       | 15                   | 0            | RA FG+ FG BR  | 0  |                   | 0.0                         | 0.11              | 29.24                      | 30.15                      | 0.2                                       | 24            | 1.2                               | 7       | 31                     | 6     | 32  | 16 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 17                        | 66             | 36           | 51           | 5                       | 39                     | 45                       | 14                   | 0            | FG+ FG BR     | 0  |                   | 0.0                         | 0.00              | 29.31                      | 30.22                      | 1.4                                       | 19            | 1.8                               | 13      | 21                     | 8     | 23  | 17 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 18                        | 74             | 39           | 57           | 11                      | 39                     | 49                       | 8                    | 0            | RA            | 0  |                   | 0.0                         | T                 | 29.23                      | 30.11                      | 4.6                                       | 21            | 5.3                               | 21      | 23                     | 16    | 26  | 18 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 19                        | 59             | 41           | 50           | 3                       | 34                     | 44                       | 15                   | 0            | RA BR         | 0  |                   | 0.0                         | 0.19              | 29.24                      | 30.17                      | 6.6                                       | 34            | 7.2                               | 20      | 31                     | 14    | 32  | 19 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 20                        | 48             | 30           | 39           | -8                      | 21                     | 32                       | 26                   | 0            |               | 0  |                   | 0.0                         | 0.00              | 29.46                      | 30.38                      | 3.8                                       | 35            | 4.6                               | 20      | 36                     | 14    | 34  | 20 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 21                        | 57             | 26           | 42           | -6                      | 19                     | 34                       | 23                   | 0            |               | 0  |                   | 0.0                         | 0.00              | 29.49                      | 30.41                      | 1.7                                       | 36            | 2.5                               | 13      | 35                     | 9     | 35  | 21 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 22                        | 64             | 28           | 46           | -2                      | 23                     | 38                       | 19                   | 0            |               | 0  |                   | 0.0                         | 0.00              | 29.45                      | 30.37                      | 1.9                                       | 05            | 2.8                               | 14      | 05                     | 12    | 35  | 22 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 23                        | 65             | 40           | 53           | 5                       | 25                     | 41                       | 12                   | 0            |               | 0  |                   | 0.0                         | 0.00              | 29.39                      | 30.30                      | 5.9                                       | 05            | 6.6                               |         |                        | 13    | 04  | 23 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 24                        | 74             | 40           | 57           | 9                       | 25                     | 44                       | 8                    | 0            |               | 0  |                   | 0.0                         | 0.00              | 29.26                      | 30.15                      | 4.3                                       | 09            | 5.4                               | 25      | 16                     | 13    | 10  | 24 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 25                        | 64             | 50           | 57           | 8                       | 48                     | 52                       | 8                    | 0            | RA BR         | 0  |                   | 0.0                         | 0.33              | 29.10                      | 29.98                      | 6.9                                       | 16            | 7.3                               | 26      | 20                     | 17    | 18  | 25 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 26                        | 58             | 39           | 49           | -1                      | 50                     | 51                       | 16                   | 0            | RA FG+ FG BR  | 0  |                   | 0.0                         | 0.74              | 28.98                      | 29.88                      | 1.2                                       | 23            | 4.3                               | 22      | 31                     | 16    | 32  | 26 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 27                        | 55             | 37           | 46           | -4                      | 46                     | 47                       | 19                   | 0            | RA FG+ FG BR  | 0  |                   | 0.0                         | 0.54              | 29.01                      | 29.89                      | 4.2                                       | 06            | 4.7                               | 23      | 21                     | 15    | 01  | 27 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 28                        | 63             | 50           | 57           | 7                       | 52                     | 53                       | 8                    | 0            | RA FG+ FG BR  | 0  |                   | 0.0                         | T                 | 28.79                      | 29.64                      | 4.3                                       | 07            | 5.7                               | 23      | 02                     | 13    | 09  | 28 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 29                        | 62             | 38           | 50           | -1                      | 37                     | 41                       | 15                   | 0            | RA BR         | 0  |                   | 0.0                         | 0.19              | 28.64                      | 29.58                      | 12.2                                      | 24            | 13.1                              | 38      | 26                     | 26*   | 24  | 29 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 30                        | 58             | 37           | 48           | -3                      | 29                     | 39                       | 17                   | 0            | RA            | 0  |                   | 0.0                         | T                 | 29.13                      | 30.05                      | 3.4                                       | 25            | 6.1                               | 21      | 24                     | 14    | 27  | 30 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| 31                        | 72             | 32           | 52           | 1                       | 32                     | 44                       | 13                   | 0            | RA            | 0  |                   | 0.0                         | 0.01              | 29.04                      | 29.92                      | 3.6                                       | 15            | 5.6                               | 25      | 16                     | 20    | 18  | 31 |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
|                           |                |              |              |                         |                        |                          |                      |              |               | 59.1   |                   | 36.8                        |                   | 48.0                       |                            | 33.0                                      |               | 41.6                              |         | 17.1                   |       | 0.2 |    | < MONTHLY AVERAGES   TOTALS > |  |  |  | T |  | 2.56                    |  | 29.23 |  | 30.14                           |  | 0.9 |  | 24    |  | 6.0  |  | < MONTHLY AVERAGES |  |  |  |  |  |  |  |  |  |
|                           |                |              |              |                         |                        |                          |                      |              |               | 2.8  |                   | 1.3                         |                   | 2.1                        |                            | α   |               | <-----DEPARTURE FROM NORMAL-----> |         |                        |       |     |    |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  | -1.27 |  | SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3 |  |                    |  |  |  |  |  |  |  |  |  |
| <b>DEGREE DAYS</b>        |                |              |              |                         |                        |                          |                      |              |               | GREATEST 24-HR PRECIPITATION : 0.81 DATE : 25-26 |                   |                             |                   |                            |                            |   |               |                                   |         | SEA LEVEL PRESSURE     |       |     |    |                               |  |  |  |   |  | DATE TIME               |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| MONTHLY                   |                |              |              |                         |                        |                          |                      |              |               | GREATEST 24-HR SNOWFALL : T DATE : 13+           |                   |                             |                   |                            |                            |   |               |                                   |         | MAXIMUM :              |       |     |    |                               |  |  |  |   |  | 30.58 12 0851           |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| TOTAL DEPARTURE           |                |              |              |                         |                        |                          |                      |              |               | GREATEST SNOW DEPTH : 0 DATE :                   |                   |                             |                   |                            |                            |   |               |                                   |         | MINIMUM :              |       |     |    |                               |  |  |  |   |  | 29.35 29 0051           |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| SEASON TO DATE            |                |              |              |                         |                        |                          |                      |              |               | NUMBER OF ->                                     |                   |                             |                   |                            |                            |   |               |                                   |         | MAXIMUM TEMP >= 90 : 0 |       |     |    |                               |  |  |  |   |  | MINIMUM TEMP <= 32 : 11 |  |       |  | PRECIPITATION >= 0.01 INCH : 10 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| TOTAL DEPARTURE           |                |              |              |                         |                        |                          |                      |              |               | THUNDERSTORMS : 0                                |                   |                             |                   |                            |                            |   |               |                                   |         | MAXIMUM TEMP <= 32 : 2 |       |     |    |                               |  |  |  |   |  | MINIMUM TEMP <= 0 : 0   |  |       |  | PRECIPITATION >= 0.10 INCH : 7  |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| HEATING : 529 -67 4231 86 |                |              |              |                         |                        |                          |                      |              |               |  |                   |                             |                   |                            |                            |   |               |                                   |         | THUNDERSTORMS : 0      |       |     |    |                               |  |  |  |   |  | HEAVY FOG : 6           |  |       |  | SNOWFALL >= 1.0 INCH : 0        |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |
| COOLING : 7 -1 7 -1       |                |              |              |                         |                        |                          |                      |              |               |  |                   |                             |                   |                            |                            |   |               |                                   |         |                        |       |     |    |                               |  |  |  |   |  |                         |  |       |  |                                 |  |     |  |       |  |  |  |                    |  |  |  |  |  |  |  |  |  |

MARCH 2009  
HUNTINGTON, WV

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

HUNTINGTON, WV (KHTS)  
MARCH 2009

WBAN # 03860

| Date | FOR HOUR (LST) ENDING AT |      |      |   |      |      |      |      |      |      |      |      | Date | FOR HOUR (LST) ENDING AT |      |      |      |      |      |      |      |      |      |      |      | Date | Sum of Hourly Data | 2400 LST Water Equiv. |
|------|--------------------------|------|------|---|------|------|------|------|------|------|------|------|------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------|-----------------------|
|      | 1                        | 2    | 3    | 4 | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |      | 13                       | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24   |      |                    |                       |
| 01   | T                        | T    | T    | T | T    | T    |      |      |      |      |      |      | 01   |                          |      |      |      |      |      |      |      |      |      |      | 01   | T    | T                  |                       |
| 02   |                          |      |      |   |      |      |      |      |      |      |      |      | 02   |                          |      |      |      |      |      |      |      |      |      |      | 02   | 0.00 | 0.00               |                       |
| 03   |                          |      |      |   |      |      |      |      |      |      |      |      | 03   |                          |      |      |      |      |      |      |      |      |      |      | 03   | 0.00 | 0.00               |                       |
| 04   |                          |      |      |   |      |      |      |      |      |      |      |      | 04   |                          |      |      |      |      |      |      |      |      |      |      | 04   | 0.00 | 0.00               |                       |
| 05   |                          |      |      |   |      |      |      |      |      |      |      |      | 05   |                          |      |      |      |      |      |      |      |      |      |      | 05   | 0.00 | 0.00               |                       |
| 06   |                          |      |      |   |      |      |      |      |      |      |      |      | 06   |                          |      |      |      |      |      |      |      |      |      |      | 06   | 0.00 | 0.00               |                       |
| 07   |                          |      |      |   |      |      |      |      |      |      |      |      | 07   |                          |      |      |      |      |      |      |      |      |      |      | 07   | 0.00 | 0.00               |                       |
| 08   |                          |      |      |   |      |      |      |      |      |      |      |      | 08   |                          |      |      |      |      | T    | T    | T    | T    |      |      | 08   | T    | T                  |                       |
| 09   |                          |      |      |   |      |      |      |      |      |      |      |      | 09   |                          |      |      |      |      |      |      |      |      |      |      | 09   | 0.00 | 0.00               |                       |
| 10   |                          |      |      |   |      |      |      |      |      |      |      |      | 10   |                          |      |      |      |      |      |      |      |      |      |      | 10   | 0.00 | 0.00               |                       |
| 11   |                          |      |      |   | 0.01 | 0.02 | T    | T    | T    |      |      |      | 11   |                          |      |      |      |      |      |      |      |      |      |      | 11   | 0.03 | 0.03               |                       |
| 12   |                          |      |      |   |      |      |      |      |      |      |      |      | 12   |                          |      |      |      |      |      |      |      |      |      |      | 12   | 0.03 | 0.03               |                       |
| 13   | T                        | T    |      |   |      |      |      |      |      |      |      |      | 13   |                          |      |      |      |      |      |      |      |      |      |      | 13   | T    | T                  |                       |
| 14   |                          |      |      |   |      |      |      |      |      |      |      |      | 14   | 0.04                     | 0.05 | 0.02 | 0.02 | 0.03 | 0.01 | 0.03 | 0.04 | T    |      | 0.01 | 14   | 0.39 | 0.39               |                       |
| 15   | T                        | T    | T    |   |      |      |      |      |      |      |      |      | 15   |                          |      |      |      |      |      |      |      |      |      |      | 15   | T    | T                  |                       |
| 16   |                          |      |      |   |      |      | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.01 | 16   | T                        | T    | 0.01 | 0.02 | 0.01 |      |      |      |      |      | 16   | 0.11 | 0.11 |                    |                       |
| 17   |                          |      |      |   |      |      |      |      |      |      |      |      | 17   |                          |      |      |      |      |      |      |      |      |      |      | 17   | 0.00 | 0.00               |                       |
| 18   |                          |      |      |   |      |      |      |      |      |      |      |      | 18   | T                        |      |      |      |      |      |      |      |      |      |      | 18   | T    | T                  |                       |
| 19   |                          |      |      | T | 0.05 | 0.08 | 0.06 | T    | T    |      |      |      | 19   |                          |      |      |      |      |      |      |      |      |      |      | 19   | 0.19 | 0.19               |                       |
| 20   |                          |      |      |   |      |      |      |      |      |      |      |      | 20   |                          |      |      |      |      |      |      |      |      |      |      | 20   | 0.00 | 0.00               |                       |
| 21   |                          |      |      |   |      |      |      |      |      |      |      |      | 21   |                          |      |      |      |      |      |      |      |      |      |      | 21   | 0.00 | 0.00               |                       |
| 22   |                          |      |      |   |      |      |      |      |      |      |      |      | 22   |                          |      |      |      |      |      |      |      |      |      |      | 22   | 0.00 | 0.00               |                       |
| 23   |                          |      |      |   |      |      |      |      |      |      |      |      | 23   |                          |      |      |      |      |      |      |      |      |      |      | 23   | 0.00 | 0.00               |                       |
| 24   |                          |      |      |   |      |      |      |      |      |      |      |      | 24   |                          |      |      |      |      |      |      |      |      |      |      | 24   | 0.00 | 0.00               |                       |
| 25   |                          |      |      |   | T    | 0.05 | 0.05 | 0.10 | 0.02 | 0.03 | 0.01 |      | 25   |                          |      | T    | T    | 0.02 | 0.02 | 0.01 | T    | 0.01 | 0.01 | T    | T    | 25   | 0.33               | 0.33                  |
| 26   | 0.01                     | T    |      |   | T    | 0.04 | 0.03 | 0.09 | 0.17 | 0.14 | 0.11 | 0.09 | 26   | 0.01                     | 0.04 | T    | 0.01 | T    |      |      |      |      |      | 26   | 0.74 | 0.74 |                    |                       |
| 27   |                          |      |      |   |      |      |      |      |      |      |      |      | 27   |                          |      | T    | 0.01 | 0.01 | 0.18 | 0.18 | 0.13 | 0.02 | T    | 0.01 | 27   | 0.54 | 0.54               |                       |
| 28   |                          |      |      |   |      |      |      |      |      |      |      |      | 28   | T                        |      |      |      |      |      |      |      |      |      |      | 28   | T    | T                  |                       |
| 29   |                          | 0.08 | 0.11 | T |      |      |      |      |      |      | T    | T    | 29   | T                        | T    | T    | T    |      |      |      |      |      |      | T    | T    | 29   | 0.19               | 0.19                  |
| 30   | T                        |      |      |   |      |      |      |      |      |      |      |      | 30   |                          |      |      |      |      |      |      |      |      |      |      | 30   | T    | T                  |                       |
| 31   |                          |      |      |   |      |      |      |      |      |      |      |      | 31   |                          |      |      | T    | 0.01 |      |      |      |      |      |      | 31   | 0.01 | 0.01               |                       |

\* Indicates sum of Hourly and Daily disagree.

### MAXIMUM SHORT DURATION PRECIPITATION (See Note)

| Time Period (Minutes)  | 5    | 10   | 15   | 20   | 30   | 45   | 60   | 80   | 100  | 120  | 150  | 180  |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Precipitation (Inches) | 0.04 | 0.06 | 0.07 | 0.09 | 0.12 | 0.16 | 0.22 | 0.27 | 0.33 | 0.38 | 0.45 | 0.50 |
| Ending Date            | 27   | 27   | 27   | 27   | 27   | 27   | 27   | 27   | 27   | 27   | 27   | 27   |
| Ending Time (Hr/Min)   | 1754 | 1830 | 1838 | 1838 | 1847 | 1914 | 1914 | 1940 | 1927 | 1927 | 1927 | 1954 |

Note : The hourly and daily precipitation totals are printed in the last 2 columns and hi-lighted in red when they disagree. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

Date and time are not entered for TRACE amounts.

# REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

\* = Extreme for the month (last occurrence if more than one).

T = Trace precipitation amount.

+ = also occurs on earlier date.

FG+ = Heavy fog, visibility .25 miles or less.

BLANK entries denote missing or unreported data.

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

NORMALS ARE FOR THE YEARS 1971-2000

## WEATHER NOTATIONS

| QUALIFIER          | WEATHER PHENOMENA                 |                    |                                    |
|--------------------|-----------------------------------|--------------------|------------------------------------|
| DESCRIPTOR         | PRECIPITATION                     | OBSCURATION        | OTHER                              |
| BC Patches         | DZ Drizzle                        | BR Mist            | DS Duststorm                       |
| BL Blowing         | GR Hail                           | DU Widespread Dust | FC Funnel Cloud                    |
| DR Low Drifting    | GS Small Hail and/or Snow Pellets | FG Fog             | +FC Tornado Waterspout             |
| FZ Freezing        | IC Ice Crystals                   | FU Smoke           | PO Well-Developed Dust/Sand Whirls |
| MI Shallow         | PL Ice Pellets                    | HZ Haze            |                                    |
| PR Partial         | RA Rain                           | PY Spray           | SQ Squalls                         |
| SH Shower(s)       | SG Snow Grains                    | SA Sand            | SS Sandstorm                       |
| TS Thunderstorm    | SN Snow                           | VA Volcanic Ash    | GL Glaze                           |
| VC In the Vicinity | UP Unkown Precipitation           |                    |                                    |

Intensity (as indicated on pages 4 to 6):  
'+' = Heavy    '' = Moderate    '-' = Light

# HUNTINGTON, WV MARCH 2009

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR-SS), or midnight to midnight (MN-MN).

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. Clear = 0-2 oktas, Partly Cloudy = 3-6 oktas, Cloudy = 7-8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity. Wet Bulb is the temperature the air would have if cooled to saturation at constant pressure by evaporation of water into it.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

### ADDITIONAL NOTES:

Station Augmentation-HUNTINGTON SWG PL COOP  
Lat/Lon:38.41833/-82.51 Elevation:520  
Distance:3 MI Dir:N  
Augmented Elements:Temp, Precip, Snow  
Equipment:MMTS, SRG, Snowboard

| Date                                       | SUNSHINE      |                  | CLOUDINESS (OKTAS) |           |                  |           | VISIBILITY (MILES) |         | RESERVED |
|--|---------------|------------------|--------------------|-----------|------------------|-----------|--------------------|---------|----------|
|  | TOTAL MINUTES | PERCENT POSSIBLE | SR-SS              |           | MN-MN            |           | MINIMUM            | MAXIMUM |          |
|  |               |                  | Sky Cover          | Satellite | Sky Cover        | Satellite |                    |         |          |
| 01   |               |                  |                    |           |                  |           | 6.00               | 10.00   |          |
| 02   |               |                  |                    |           |                  |           | 10.00              | 10.00   |          |
| 03   |               |                  |                    |           |                  |           | 10.00              | 10.00   |          |
| 04   |               |                  |                    |           |                  |           | 10.00              | 10.00   |          |
| 05   |               |                  |                    |           |                  |           | 10.00              | 10.00   |          |
| 06   |               |                  |                    |           |                  |           | 10.00              | 10.00   |          |
| 07   |               |                  |                    |           |                  |           | 10.00              | 10.00   |          |
| 08   |               |                  |                    |           |                  |           | 10.00              | 10.00   |          |
| 09   |               |                  |                    |           |                  |           | 10.00              | 10.00   |          |
| 10   |               |                  |                    |           |                  |           | 10.00              | 10.00   |          |
| 11   |               |                  |                    |           |                  |           | 7.00               | 10.00   |          |
| 12   |               |                  |                    |           |                  |           | 2.00               | 10.00   |          |
| 13   |               |                  |                    |           |                  |           | 4.00               | 10.00   |          |
| 14   |               |                  |                    |           |                  |           | 1.75               | 10.00   |          |
| 15   |               |                  |                    |           |                  |           | 0.00               | 10.00   |          |
| 16   |               |                  |                    |           |                  |           | 0.00               | 7.00    |          |
| 17   |               |                  |                    |           |                  |           | 0.00               | 10.00   |          |
| 18   |               |                  |                    |           |                  |           | 10.00              | 10.00   |          |
| 19   |               |                  |                    |           |                  |           | 4.00               | 10.00   |          |
| 20   |               |                  |                    |           |                  |           | 10.00              | 10.00   |          |
| 21   |               |                  |                    |           |                  |           | 10.00              | 10.00   |          |
| 22   |               |                  |                    |           |                  |           | 10.00              | 10.00   |          |
| 23   |               |                  |                    |           |                  |           | 10.00              | 10.00   |          |
| 24   |               |                  |                    |           |                  |           | 10.00              | 10.00   |          |
| 25   |               |                  |                    |           |                  |           | 3.00               | 10.00   |          |
| 26   |               |                  |                    |           |                  |           | 0.25               | 10.00   |          |
| 27   |               |                  |                    |           |                  |           | 0.00               | 10.00   |          |
| 28   |               |                  |                    |           |                  |           | 0.00               | 10.00   |          |
| 29   |               |                  |                    |           |                  |           | 4.00               | 10.00   |          |
| 30   |               |                  |                    |           |                  |           | 10.00              | 10.00   |          |
| 31   |               |                  |                    |           |                  |           | 10.00              | 10.00   |          |
| MONTHLY AVGS                               |               |                  |                    |           |                  |           | 6.52               | 9.90    |          |
| <b>SUNSHINE (Minutes)</b>                  |               |                  |                    |           |                  |           |                    |         |          |
| Total : 0                                  |               |                  |                    |           | Possible : 22271 |           |                    |         |          |
| Percent Possible : 0                       |               |                  |                    |           |                  |           |                    |         |          |
| <b>NUMBER OF DAYS WITH : SKY CONDITION</b> |               |                  |                    |           |                  |           |                    |         |          |
| Clear                                      |               | Partly CLDY      |                    | Cloudy    |                  | Missing   |                    |         |          |
| <b>MINIMUM VISIBILITY (MILES)</b>          |               |                  |                    |           |                  |           |                    |         |          |
| <= .25                                     |               |                  | <= 3.0             |           |                  | >= 7.0    |                    |         |          |
| 6  |               |                  | 9                  |           |                  | 18        |                    |         |          |

# OBSERVATIONS AT 3-HOURLY INTERVALS

# HUNTINGTON, WV MARCH 2009 KHTS

WBAN # 03860

| HOUR (LST)                  | SKY COVER | CEILING<br>100's of FT. | SATELLITE                 |                      | WEATHER | TEMPERATURE<br>°F     |          |           | WIND<br>SPEED (MPH)<br>DIRECTION<br>Tens of Deg | PRESSURE<br>(INCHES, HG) |                            | HOUR (LST)                  | SKY COVER | CEILING<br>100's of FT. | SATELLITE |              | WEATHER | TEMPERATURE<br>°F         |                      |                       | WIND<br>SPEED (MPH)<br>DIRECTION<br>Tens of Deg | PRESSURE<br>(INCHES, HG) |           |          |                            |         |              |         |         |       |
|-----------------------------|-----------|-------------------------|---------------------------|----------------------|---------|-----------------------|----------|-----------|---|--------------------------|----------------------------|-----------------------------|-----------|-------------------------|-----------|--------------|---------|---------------------------|----------------------|-----------------------|---|--------------------------|-----------|----------|----------------------------|---------|--------------|---------|---------|-------|
|                             |           |                         | Observation<br>Time (LST) | Eff Cld Amt<br>Oktas |         | VISIBILITY<br>(MILES) | DRY BULB | DEW POINT |   | WET BULB                 | RELATIVE<br>HUMIDITY (PCT) |                             |           |                         | STATION   | SEA<br>LEVEL |         | Observation<br>Time (LST) | Eff Cld Amt<br>Oktas | VISIBILITY<br>(MILES) |   | DRY BULB                 | DEW POINT | WET BULB | RELATIVE<br>HUMIDITY (PCT) | STATION | SEA<br>LEVEL |         |         |       |
|                             |           |                         |                           |                      |         |                       |          |           |   |                          |                            |                             |           |                         |           |              |         |                           |                      |                       |   |                          |           |          |                            |         |              | WEATHER | WEATHER |       |
| <b>SUNRISE: 0703 MAR 01</b> |           |                         |                           |                      |         | <b>SUNSET: 1823</b>   |          |           |   |                          |                            | <b>SUNRISE: 0654 MAR 07</b> |           |                         |           |              |         | <b>SUNSET: 1829</b>       |                      |                       |   |                          |           |          |                            |         |              |         |         |       |
| 01                          | OVC       | 038                     |                           |                      | 7.00    | -FZRA                 | 30       | 26        | 29  | 85                       | 8                          | 02                          | 29.15     | 30.06                   | 01        | OVC          | 050     |                           |                      | 10.00                 |   |                          | 61        | 50       | 55                         | 67      | 9            | 18      | 29.26   | 30.14 |
| 04                          | OVC       | 045                     |                           |                      | 6.00    | -FZRA BR              | 30       | 26        | 29  | 85                       | 6                          | 36                          | 29.14     | 30.06                   | 04        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 58        | 50       | 54                         | 75      | 7            | 20      | 29.24   | 30.12 |
| 07                          | OVC       | 033                     |                           |                      | 10.00   |                       | 28       | 23        | 26  | 82                       | 11                         | 36                          | 29.15     | 30.07                   | 07        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 59        | 50       | 54                         | 72      | 7            | 19      | 29.24   | 30.13 |
| 10                          | OVC       | 090                     |                           |                      | 10.00   |                       | 28       | 21        | 26  | 75                       | 8                          | 36                          | 29.20     | 30.12                   | 10        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 69        | 52       | 59                         | 55      | 10           | 21      | 29.23   | 30.12 |
| 13                          | CLR       | NC                      |                           |                      | 10.00   |                       | 35       | 23        | 31  | 62                       | 13                         | 35                          | 29.18     | 30.10                   | 13        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 77        | 51       | 62                         | 40      | 18           | 23      | 29.16   | 30.04 |
| 16                          | CLR       | NC                      |                           |                      | 10.00   |                       | 38       | 14        | 30  | 37                       | 11                         | 02                          | 29.15     | 30.06                   | 16        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 79        | 47       | 61                         | 32      | 15           | 19      | 29.08   | 29.96 |
| 19                          | CLR       | NC                      |                           |                      | 10.00   |                       | 33       | 15        | 27  | 48                       | 11                         | 36                          | 29.17     | 30.09                   | 19        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 73        | 42       | 56                         | 33      | 8            | 23      | 29.07   | 29.95 |
| 22                          | BKN       | 035                     |                           |                      | 10.00   |                       | 25       | 13        | 21  | 60                       | 17                         | 36                          | 29.25     | 30.17                   | 22        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 69        | 47       | 57                         | 46      | 8            | 21      | 29.09   | 29.97 |
| <b>SUNRISE: 0701 MAR 02</b> |           |                         |                           |                      |         | <b>SUNSET: 1824</b>   |          |           |   |                          |                            | <b>SUNRISE: 0652 MAR 08</b> |           |                         |           |              |         | <b>SUNSET: 1830</b>       |                      |                       |   |                          |           |          |                            |         |              |         |         |       |
| 01                          | OVC       | 039                     |                           |                      | 10.00   |                       | 21       | 9         | 18  | 60                       | 11                         | 36                          | 29.31     | 30.23                   | 01        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 66        | 50       | 57                         | 57      | 11           | 21      | 29.11   | 29.98 |
| 04                          | OVC       | 035                     |                           |                      | 10.00   |                       | 18       | 6         | 15  | 59                       | 10                         | 34                          | 29.34     | 30.26                   | 04        | BKN          | 070     |                           |                      | 10.00                 |   |                          | 64        | 50       | 56                         | 61      | 6            | 20      | 29.08   | 29.96 |
| 07                          | OVC       | 037                     |                           |                      | 10.00   |                       | 15       | 4         | 12  | 61                       | 10                         | 36                          | 29.40     | 30.33                   | 07        | BKN          | 080     |                           |                      | 10.00                 |   |                          | 63        | 50       | 56                         | 63      | 6            | 20      | 29.08   | 29.96 |
| 10                          | BKN       | 031                     |                           |                      | 10.00   |                       | 17       | 6         | 14  | 62                       | 10                         | 31                          | 29.43     | 30.36                   | 10        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 69        | 51       | 59                         | 53      | 13           | 22      | 29.07   | 29.94 |
| 13                          | FEW       | 042                     |                           |                      | 10.00   |                       | 24       | 5         | 19  | 44                       | 8                          | 01                          | 29.38     | 30.31                   | 13        | BKN          | 060     |                           |                      | 10.00                 |   |                          | 73        | 51       | 60                         | 46      | 14           | 21      | 29.00   | 29.87 |
| 16                          | CLR       | NC                      |                           |                      | 10.00   |                       | 27       | 4         | 21  | 37                       | 10                         | 30                          | 29.37     | 30.30                   | 16        | OVC          | 050     |                           |                      | 10.00                 |   |                          | 70        | 51       | 59                         | 51      | 15           | 21      | 28.95   | 29.82 |
| 19                          | FEW       | 050                     |                           |                      | 10.00   |                       | 22       | 3         | 17  | 44                       | 14                         | 33                          | 29.41     | 30.35                   | 19        | BKN          | 090     |                           |                      | 10.00                 |   |                          | 70        | 52       | 60                         | 53      | 13           | 20      | 28.92   | 29.79 |
| 22                          | CLR       | NC                      |                           |                      | 10.00   |                       | 18       | 4         | 15  | 54                       | 10                         | 35                          | 29.47     | 30.42                   | 22        | FEW          | 100     |                           |                      | 10.00                 | -RA   |                          | 65        | 53       | 58                         | 65      | 15           | 23      | 28.95   | 29.82 |
| <b>SUNRISE: 0660 MAR 03</b> |           |                         |                           |                      |         | <b>SUNSET: 1825</b>   |          |           |   |                          |                            | <b>SUNRISE: 0651 MAR 09</b> |           |                         |           |              |         | <b>SUNSET: 1831</b>       |                      |                       |   |                          |           |          |                            |         |              |         |         |       |
| 01                          | CLR       | NC                      |                           |                      | 10.00   |                       | 14       | 3         | 12  | 61                       | 9                          | 36                          | 29.50     | 30.45                   | 01        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 61        | 50       | 55                         | 67      | 11           | 25      | 29.00   | 29.87 |
| 04                          | CLR       | NC                      |                           |                      | 10.00   |                       | 12       | 3         | 10  | 67                       | 3                          | 35                          | 29.52     | 30.46                   | 04        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 55        | 39       | 47                         | 55      | 11           | 26      | 29.09   | 29.97 |
| 07                          | CLR       | NC                      |                           |                      | 10.00   |                       | 10       | 3         | 9   | 73                       | 5                          | 01                          | 29.56     | 30.51                   | 07        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 47        | 39       | 43                         | 74      | 8            | 27      | 29.20   | 30.10 |
| 10                          | CLR       | NC                      |                           |                      | 10.00   |                       | 16       | 4         | 13  | 59                       | 0                          | 00                          | 29.61     | 30.56                   | 10        | BKN          | 027     |                           |                      | 10.00                 |   |                          | 50        | 38       | 44                         | 64      | 3            | 34      | 29.30   | 30.20 |
| 13                          | CLR       | NC                      |                           |                      | 10.00   |                       | 23       | 4         | 18  | 44                       | 5                          | 26                          | 29.60     | 30.55                   | 13        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 57        | 37       | 47                         | 47      | 5            | 35      | 29.31   | 30.20 |
| 16                          | CLR       | NC                      |                           |                      | 10.00   |                       | 29       | 2         | 22  | 31                       | 6                          | 24                          | 29.53     | 30.47                   | 16        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 63        | 35       | 49                         | 35      | 5            | 27      | 29.26   | 30.15 |
| 19                          | CLR       | NC                      |                           |                      | 10.00   |                       | 27       | 1         | 20  | 32                       | 0                          | 00                          | 29.53     | 30.48                   | 19        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 59        | 33       | 47                         | 38      | 5            | 36      | 29.27   | 30.16 |
| 22                          | CLR       | NC                      |                           |                      | 10.00   |                       | 23       | 3         | 18  | 42                       | 3                          | 10                          | 29.52     | 30.46                   | 22        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 54        | 34       | 45                         | 47      | 7            | 09      | 29.27   | 30.17 |
| <b>SUNRISE: 0658 MAR 04</b> |           |                         |                           |                      |         | <b>SUNSET: 1826</b>   |          |           |   |                          |                            | <b>SUNRISE: 0649 MAR 10</b> |           |                         |           |              |         | <b>SUNSET: 1832</b>       |                      |                       |   |                          |           |          |                            |         |              |         |         |       |
| 01                          | CLR       | NC                      |                           |                      | 10.00   |                       | 18       | 9         | 16  | 68                       | 3                          | 09                          | 29.49     | 30.44                   | 01        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 52        | 34       | 44                         | 50      | 3            | 11      | 29.22   | 30.12 |
| 04                          | CLR       | NC                      |                           |                      | 10.00   |                       | 17       | 8         | 15  | 68                       | 0                          | 00                          | 29.50     | 30.45                   | 04        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 50        | 34       | 43                         | 54      | 0            | 00      | 29.17   | 30.06 |
| 07                          | BKN       | 110                     |                           |                      | 10.00   |                       | 18       | 11        | 16  | 74                       | 0                          | 00                          | 29.52     | 30.46                   | 07        | OVC          | 075     |                           |                      | 10.00                 |   |                          | 50        | 36       | 44                         | 59      | 3            | 02      | 29.17   | 30.07 |
| 10                          | CLR       | NC                      |                           |                      | 10.00   |                       | 32       | 11        | 26  | 42                       | 0                          | 00                          | 29.53     | 30.46                   | 10        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 56        | 39       | 48                         | 53      | 7            | 20      | 29.15   | 30.05 |
| 13                          | OVC       | 085                     |                           |                      | 10.00   |                       | 41       | 5         | 30  | 22                       | 6                          | 24                          | 29.49     | 30.41                   | 13        | BKN          | 065     |                           |                      | 10.00                 |   |                          | 75        | 54       | 63                         | 48      | 15           | 23      | 29.09   | 29.98 |
| 16                          | CLR       | NC                      |                           |                      | 10.00   |                       | 46       | 6         | 33  | 19                       | 0                          | 00                          | 29.41     | 30.33                   | 16        | BKN          | 065     |                           |                      | 10.00                 |   |                          | 79        | 51       | 63                         | 38      | 16           | 20      | 29.03   | 29.91 |
| 19                          | BKN       | 120                     |                           |                      | 10.00   |                       | 43       | 6         | 31  | 22                       | 3                          | 10                          | 29.40     | 30.32                   | 19        | SCT          | 065     |                           |                      | 10.00                 |   |                          | 74        | 52       | 61                         | 46      | 6            | 19      | 29.02   | 29.90 |
| 22                          | CLR       | NC                      |                           |                      | 10.00   |                       | 37       | 8         | 28  | 30                       | 5                          | 11                          | 29.39     | 30.31                   | 22        | OVC          | 075     |                           |                      | 10.00                 |   |                          | 72        | 51       | 60                         | 48      | 8            | 24      | 29.04   | 29.92 |
| <b>SUNRISE: 0657 MAR 05</b> |           |                         |                           |                      |         | <b>SUNSET: 1827</b>   |          |           |   |                          |                            | <b>SUNRISE: 0648 MAR 11</b> |           |                         |           |              |         | <b>SUNSET: 1833</b>       |                      |                       |   |                          |           |          |                            |         |              |         |         |       |
| 01                          | CLR       | NC                      |                           |                      | 10.00   |                       | 29       | 15        | 25  | 56                       | 3                          | 10                          | 29.40     | 30.31                   | 01        | OVC          | 075     |                           |                      | 10.00                 |   |                          | 71        | 50       | 59                         | 48      | 10           | 21      | 29.02   | 29.89 |
| 04                          | OVC       | 065                     |                           |                      | 10.00   |                       | 28       | 17        | 24  | 63                       | 5                          | 09                          | 29.40     | 30.31                   | 04        | OVC          | 070     |                           |                      | 10.00                 |   |                          | 71        | 48       | 58                         | 44      | 14           | 23      | 29.01   | 29.88 |
| 07                          | CLR       | NC                      |                           |                      | 10.00   |                       | 30       | 16        | 26  | 56                       | 3                          | 11                          | 29.41     | 30.34                   | 07        | OVC          | 047     |                           |                      | 10.00                 |   |                          | 55        | 48       | 51                         | 77      | 15           | 26      | 29.15   | 30.03 |
| 10                          | CLR       | NC                      |                           |                      | 10.00   |                       | 48       | 21        | 38  | 34                       | 13                         | 19                          | 29.41     | 30.32                   | 10        | OVC          | 036     |                           |                      | 10.00                 |   |                          | 51        | 37       | 45                         | 59      | 14           | 30      | 29.29   | 30.18 |
| 13                          | CLR       | NC                      |                           |                      | 10.00   |                       | 61       | 27        | 46  | 27                       | 14                         | 18                          | 29.32     | 30.23                   | 13        | BKN          | 100     |                           |                      | 10.00                 |   |                          | 46        | 21       | 36                         | 37      | 13           | 27      | 29.41   | 30.31 |
| 16                          | CLR       | NC                      |                           |                      | 10.00   |                       | 66       | 27        | 48  | 23                       | 15                         | 19                          | 29.21     | 30.11                   | 16        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 47        | 18       | 36                         | 31      | 11           | 29      | 29.44   | 30.34 |
| 19                          | CLR       | NC                      |                           |                      | 10.00   |                       | 62       | 30        | 47  | 30                       | 13                         | 19                          | 29.16     | 30.07                   | 19        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 44        | 16       | 34                         | 32      | 7            | 31      | 29.50   | 30.42 |
| 22                          | CLR       | NC                      |                           |                      | 10.00   |                       | 59       | 30        | 46  | 33                       | 10                         | 20                          | 29.18     | 30.08                   | 22        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 39        | 18       | 32                         | 43      | 6            | 33      | 29.54   | 30.45 |
| <b>SUNRISE: 0655 MAR 06</b> |           |                         |                           |                      |         | <b>SUNSET: 1828</b>   |          |           |   |                          |                            | <b>SUNRISE: 0646 MAR 12</b> |           |                         |           |              |         | <b>SUNSET: 1834</b>       |                      |                       |   |                          |           |          |                            |         |              |         |         |       |
| 01                          | CLR       | NC                      |                           |                      | 10.00   |                       | 57       | 32        | 46  | 39                       | 5                          | 22                          | 29.20     | 30.09                   | 01        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 35        | 18       | 29                         | 50      | 7            | 34      | 29.57   | 30.49 |
| 04                          | OVC       | 060                     |                           |                      | 10.00   |                       | 59       | 31        | 46  | 35                       | 10                         | 21                          | 29.18     | 30.07                   | 04        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 30        | 20       | 27                         | 66      | 6            | 36      | 29.59   | 30.51 |
| 07                          | OVC       | 042                     |                           |                      | 10.00   |                       | 58       | 34        | 47  | 41                       | 7                          | 20                          | 29.19     | 30.08                   | 07        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 29        | 21       | 26                         | 72      | 6            | 01      | 29.62   | 30.55 |
| 10                          | OVC       | 037                     |                           |                      | 10.00   |                       | 62       | 40        | 51  | 45                       | 15                         | 21                          | 29.20     | 30.09                   | 10        | FEW          | 023     |                           |                      | 10.00                 |   |                          | 32        | 22       | 29                         | 67      | 7            | 01      | 29.64   | 30.57 |
| 13                          | CLR       | NC                      |                           |                      | 10.00   |                       | 70       | 48        | 58  | 46                       | 14                         | 22                          | 29.16     | 30.04                   | 13        | SCT          | 032     |                           |                      | 10.00                 |   |                          | 35        | 21       | 30                         | 57      | 3            | 09      | 29.62   | 30.55 |
| 16                          | FEW       | 048                     |                           |                      | 10.00   |                       | 69       | 48        | 57  | 47                       | 14                         | 22                          | 29.14     | 30.03                   | 16        | BKN          | 080     |                           |                      | 10.00                 |   |                          | 36        | 20       | 30                         | 52      | 0            | 00      | 29.57   | 30.50 |
| 19                          | OVC       | 048                     |                           |                      | 10.00   |                       | 64       | 51        | 57  | 63                       | 10                         | 27                          | 29.18     | 30.07                   | 19        | OVC          | 070     |                           |                      | 10.00                 |   |                          | 35        | 19       | 29                         | 52      | 3            | 04      | 29.54   | 30.47 |
| 22                          | OVC       | 034                     |                           |                      | 10.00   |                       | 63       | 51        | 56  | 65                       | 10                         | 26                          | 29.26     | 30.15                   | 22        | OVC          | 019     |                           |                      | 2.00                  | -SN BR  |                          | 31        | 29       | 30                         | 92      | 0            | 00      | 29.56   | 30.49 |

# OBSERVATIONS AT 3-HOURLY INTERVALS

# HUNTINGTON, WV MARCH 2009 KHTS

WBAN # 03860

| HOUR (LST)                  | SKY COVER | CEILING<br>100's of FT. | SATELLITE                 |                      | WEATHER | TEMPERATURE<br>°F     |          |           | WIND<br>SPEED (MPH)<br>DIRECTION<br>Tens of Deg | PRESSURE<br>(INCHES, HG) |                            | HOUR (LST)                  | SKY COVER | CEILING<br>100's of FT. | SATELLITE |              | WEATHER | TEMPERATURE<br>°F         |                      |                       | WIND<br>SPEED (MPH)<br>DIRECTION<br>Tens of Deg | PRESSURE<br>(INCHES, HG) |           |          |                            |         |              |                           |                      |                       |
|-----------------------------|-----------|-------------------------|---------------------------|----------------------|---------|-----------------------|----------|-----------|---|--------------------------|----------------------------|-----------------------------|-----------|-------------------------|-----------|--------------|---------|---------------------------|----------------------|-----------------------|---|--------------------------|-----------|----------|----------------------------|---------|--------------|---------------------------|----------------------|-----------------------|
|                             |           |                         | Observation<br>Time (LST) | Eff Cld Amt<br>Oktas |         | VISIBILITY<br>(MILES) | DRY BULB | DEW POINT |   | WET BULB                 | RELATIVE<br>HUMIDITY (PCT) |                             |           |                         | STATION   | SEA<br>LEVEL |         | Observation<br>Time (LST) | Eff Cld Amt<br>Oktas | VISIBILITY<br>(MILES) |   | DRY BULB                 | DEW POINT | WET BULB | RELATIVE<br>HUMIDITY (PCT) | STATION | SEA<br>LEVEL |                           |                      |                       |
|                             |           |                         |                           |                      |         |                       |          |           |   |                          |                            |                             |           |                         |           |              |         |                           |                      |                       |   |                          |           |          |                            |         |              | Observation<br>Time (LST) | Eff Cld Amt<br>Oktas | VISIBILITY<br>(MILES) |
| <b>SUNRISE: 0645 MAR 13</b> |           |                         |                           |                      |         | <b>SUNSET: 1835</b>   |          |           |   |                          |                            | <b>SUNRISE: 0636 MAR 19</b> |           |                         |           |              |         | <b>SUNSET: 1841</b>       |                      |                       |   |                          |           |          |                            |         |              |                           |                      |                       |
| 01                          | OVC       | 021                     |                           |                      | 4.00    | -SN BR                | 30       | 29        | 30  | 96                       | 6                          | 04                          | 29.49     | 30.42                   | 01        | OVC          | 110     |                           |                      | 10.00                 |   |                          | 57        | 42       | 49                         | 57      | 8            | 33                        | 29.14                | 30.02                 |
| 04                          | OVC       | 029                     |                           |                      | 10.00   |                       | 31       | 27        | 30  | 85                       | 0                          | 00                          | 29.49     | 30.40                   | 04        | OVC          | 060     |                           |                      | 5.00                  | -RA BR  |                          | 52        | 48       | 50                         | 86      | 6            | 02                        | 29.16                | 30.05                 |
| 07                          | OVC       | 050                     |                           |                      | 10.00   |                       | 32       | 22        | 28  | 67                       | 7                          | 06                          | 29.47     | 30.39                   | 07        | OVC          | 049     |                           |                      | 10.00                 | -RA   |                          | 46        | 44       | 45                         | 93      | 5            | 35                        | 29.26                | 30.15                 |
| 10                          | OVC       | 050                     |                           |                      | 10.00   |                       | 36       | 26        | 32  | 67                       | 7                          | 05                          | 29.46     | 30.38                   | 10        | OVC          | 065     |                           |                      | 8.00                  |   |                          | 47        | 45       | 46                         | 93      | 3            | 34                        | 29.31                | 30.21                 |
| 13                          | OVC       | 060                     |                           |                      | 10.00   |                       | 44       | 31        | 39  | 60                       | 3                          | VR                          | 29.41     | 30.33                   | 13        | OVC          | 080     |                           |                      | 10.00                 |   |                          | 53        | 38       | 46                         | 57      | 7            | 27                        | 29.30                | 30.20                 |
| 16                          | OVC       | 034                     |                           |                      | 10.00   |                       | 46       | 34        | 41  | 63                       | 3                          | VR                          | 29.36     | 30.28                   | 16        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 56        | 27       | 43                         | 33      | 8            | 30                        | 29.28                | 30.18                 |
| 19                          | CLR       | NC                      |                           |                      | 10.00   |                       | 42       | 34        | 39  | 73                       | 6                          | 12                          | 29.35     | 30.27                   | 19        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 51        | 16       | 38                         | 25      | 11           | 32                        | 29.31                | 30.21                 |
| 22                          | CLR       | NC                      |                           |                      | 10.00   |                       | 39       | 34        | 37  | 82                       | 0                          | 00                          | 29.36     | 30.27                   | 22        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 45        | 19       | 35                         | 35      | 6            | 33                        | 29.35                | 30.26                 |
| <b>SUNRISE: 0643 MAR 14</b> |           |                         |                           |                      |         | <b>SUNSET: 1836</b>   |          |           |   |                          |                            | <b>SUNRISE: 0634 MAR 20</b> |           |                         |           |              |         | <b>SUNSET: 1842</b>       |                      |                       |   |                          |           |          |                            |         |              |                           |                      |                       |
| 01                          | FEW       | 120                     |                           |                      | 10.00   |                       | 38       | 34        | 36  | 86                       | 0                          | 00                          | 29.32     | 30.23                   | 01        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 40        | 14       | 31                         | 35      | 11           | 34                        | 29.38                | 30.29                 |
| 04                          | CLR       | NC                      |                           |                      | 8.00    |                       | 37       | 34        | 36  | 89                       | 3                          | 07                          | 29.29     | 30.20                   | 04        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 34        | 20       | 29                         | 57      | 7            | 32                        | 29.40                | 30.30                 |
| 07                          | OVC       | 080                     |                           |                      | 8.00    |                       | 38       | 35        | 37  | 89                       | 5                          | 07                          | 29.29     | 30.20                   | 07        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 30        | 22       | 27                         | 72      | 7            | 35                        | 29.46                | 30.37                 |
| 10                          | OVC       | 046                     |                           |                      | 5.00    | -RA BR                | 40       | 37        | 39  | 89                       | 7                          | 07                          | 29.28     | 30.19                   | 10        | SCT          | 032     |                           |                      | 10.00                 |   |                          | 37        | 23       | 32                         | 57      | 8            | 36                        | 29.50                | 30.42                 |
| 13                          | OVC       | 007                     |                           |                      | 4.00    | -RA BR                | 42       | 41        | 42  | 96                       | 7                          | 05                          | 29.23     | 30.14                   | 13        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 43        | 23       | 35                         | 45      | 3            | VR                        | 29.49                | 30.41                 |
| 16                          | OVC       | 007                     |                           |                      | 1.75    | -RA BR                | 44       | 43        | 44  | 96                       | 3                          | 07                          | 29.18     | 30.09                   | 16        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 46        | 20       | 36                         | 36      | 0            | 00                        | 29.47                | 30.38                 |
| 19                          | OVC       | 007                     |                           |                      | 3.00    | -RA BR                | 44       | 43        | 44  | 96                       | 5                          | 04                          | 29.16     | 30.06                   | 19        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 43        | 19       | 34                         | 38      | 3            | 32                        | 29.47                | 30.40                 |
| 22                          | OVC       | 003                     |                           |                      | 2.00    | BR                    | 44       | 44        | 44  | 100                      | 0                          | 00                          | 29.16     | 30.07                   | 22        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 38        | 18       | 31                         | 44      | 3            | 09                        | 29.49                | 30.41                 |
| <b>SUNRISE: 0642 MAR 15</b> |           |                         |                           |                      |         | <b>SUNSET: 1837</b>   |          |           |   |                          |                            | <b>SUNRISE: 0633 MAR 21</b> |           |                         |           |              |         | <b>SUNSET: 1843</b>       |                      |                       |   |                          |           |          |                            |         |              |                           |                      |                       |
| 01                          | OVC       | 005                     |                           |                      | 1.50    | BR                    | 45       | 45        | 45  | 100                      | 0                          | 00                          | 29.14     | 30.05                   | 01        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 30        | 22       | 27                         | 72      | 5            | 06                        | 29.49                | 30.40                 |
| 04                          | VV        | 001                     |                           |                      | 0.25    | FG                    | 45       | 45        | 45  | 100                      | 0                          | 00                          | 29.13     | 30.03                   | 04        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 29        | 22       | 27                         | 75      | 0            | 00                        | 29.47                | 30.39                 |
| 07                          | OVC       | 016                     |                           |                      | 0.00    | -RA FG                | 45       | 45        | 45  | 100                      | 0                          | 00                          | 29.16     | 30.06                   | 07        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 26        | 23       | 25                         | 88      | 5            | 36                        | 29.51                | 30.44                 |
| 10                          | OVC       | 003                     |                           |                      | 0.00    | -RA FG                | 46       | 46        | 46  | 100                      | 0                          | 00                          | 29.17     | 30.08                   | 10        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 39        | 25       | 34                         | 57      | 0            | 00                        | 29.54                | 30.47                 |
| 13                          | OVC       | 005                     |                           |                      | 5.00    | BR                    | 50       | 48        | 49  | 93                       | 0                          | 00                          | 29.17     | 30.08                   | 13        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 51        | 21       | 39                         | 31      | 3            | 26                        | 29.50                | 30.42                 |
| 16                          | OVC       | 005                     |                           |                      | 8.00    |                       | 52       | 49        | 50  | 90                       | 3                          | 07                          | 29.16     | 30.06                   | 16        | OVC          | 100     |                           |                      | 10.00                 |   |                          | 56        | 14       | 40                         | 19      | 5            | 36                        | 29.46                | 30.37                 |
| 19                          | OVC       | 011                     |                           |                      | 10.00   |                       | 51       | 49        | 50  | 93                       | 0                          | 00                          | 29.20     | 30.11                   | 19        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 52        | 12       | 38                         | 20      | 0            | 00                        | 29.47                | 30.39                 |
| 22                          | OVC       | 060                     |                           |                      | 7.00    |                       | 50       | 49        | 49  | 96                       | 0                          | 00                          | 29.23     | 30.14                   | 22        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 45        | 16       | 35                         | 31      | 3            | 09                        | 29.49                | 30.41                 |
| <b>SUNRISE: 0640 MAR 16</b> |           |                         |                           |                      |         | <b>SUNSET: 1838</b>   |          |           |   |                          |                            | <b>SUNRISE: 0631 MAR 22</b> |           |                         |           |              |         | <b>SUNSET: 1844</b>       |                      |                       |   |                          |           |          |                            |         |              |                           |                      |                       |
| 01                          | OVC       | 007                     |                           |                      | 0.25    | FG                    | 49       | 49        | 49  | 100                      | 0                          | 00                          | 29.23     | 30.14                   | 01        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 37        | 19       | 31                         | 48      | 0            | 00                        | 29.49                | 30.41                 |
| 04                          | OVC       | 044                     |                           |                      | 0.25    | FG                    | 49       | 49        | 49  | 100                      | 0                          | 00                          | 29.22     | 30.12                   | 04        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 32        | 22       | 28                         | 67      | 0            | 00                        | 29.49                | 30.41                 |
| 07                          | OVC       | 034                     |                           |                      | 0.50    | FG                    | 49       | 49        | 49  | 100                      | 0                          | 00                          | 29.26     | 30.16                   | 07        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 30        | 22       | 27                         | 72      | 0            | 00                        | 29.51                | 30.43                 |
| 10                          | OVC       | 005                     |                           |                      | 0.25    | -RA FG                | 50       | 50        | 50  | 100                      | 3                          | 12                          | 29.25     | 30.15                   | 10        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 50        | 26       | 40                         | 39      | 5            | 09                        | 29.52                | 30.43                 |
| 13                          | OVC       | 003                     |                           |                      | 0.50    | FG                    | 52       | 52        | 52  | 100                      | 5                          | 31                          | 29.26     | 30.16                   | 13        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 60        | 23       | 44                         | 24      | 3            | 32                        | 29.46                | 30.37                 |
| 16                          | OVC       | 026                     |                           |                      | 0.50    | -RA FG                | 53       | 52        | 52  | 96                       | 0                          | 00                          | 29.24     | 30.13                   | 16        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 62        | 23       | 45                         | 22      | 0            | 00                        | 29.40                | 30.30                 |
| 19                          | BKN       | 090                     |                           |                      | 7.00    |                       | 53       | 52        | 52  | 96                       | 0                          | 00                          | 29.24     | 30.14                   | 19        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 57        | 21       | 42                         | 25      | 7            | 04                        | 29.39                | 30.30                 |
| 22                          | OVC       | 007                     |                           |                      | 0.25    | FG                    | 48       | 48        | 48  | 100                      | 0                          | 00                          | 29.27     | 30.17                   | 22        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 53        | 22       | 40                         | 30      | 3            | 06                        | 29.41                | 30.31                 |
| <b>SUNRISE: 0639 MAR 17</b> |           |                         |                           |                      |         | <b>SUNSET: 1839</b>   |          |           |   |                          |                            | <b>SUNRISE: 0630 MAR 23</b> |           |                         |           |              |         | <b>SUNSET: 1845</b>       |                      |                       |   |                          |           |          |                            |         |              |                           |                      |                       |
| 01                          | OVC       | 005                     |                           |                      | 0.00    | FG                    | 44       | 43        | 44  | 96                       | 0                          | 00                          | 29.29     | 30.19                   | 01        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 45        | 25       | 37                         | 46      | 0            | 00                        | 29.40                | 30.30                 |
| 04                          | OVC       | 026                     |                           |                      | 0.25    | FG                    | 40       | 40        | 40  | 100                      | 0                          | 00                          | 29.30     | 30.20                   | 04        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 42        | 27       | 36                         | 55      | 3            | 05                        | 29.41                | 30.31                 |
| 07                          | VV        | 001                     |                           |                      | 0.25    | FG                    | 36       | 36        | 36  | 100                      | 0                          | 00                          | 29.35     | 30.25                   | 07        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 40        | 29       | 36                         | 65      | 7            | 06                        | 29.44                | 30.35                 |
| 10                          | VV        | 001                     |                           |                      | 0.25    | FG                    | 45       | 45        | 45  | 100                      | 0                          | 00                          | 29.38     | 30.29                   | 10        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 49        | 32       | 42                         | 52      | 6            | 03                        | 29.46                | 30.36                 |
| 13                          | CLR       | NC                      |                           |                      | 10.00   |                       | 61       | 41        | 51  | 48                       | 0                          | 00                          | 29.35     | 30.25                   | 13        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 60        | 33       | 47                         | 36      | 5            | 02                        | 29.41                | 30.31                 |
| 16                          | CLR       | NC                      |                           |                      | 10.00   |                       | 65       | 37        | 51  | 36                       | 5                          | 18                          | 29.28     | 30.18                   | 16        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 64        | 31       | 49                         | 29      | 5            | VR                        | 29.36                | 30.26                 |
| 19                          | CLR       | NC                      |                           |                      | 10.00   |                       | 62       | 34        | 49  | 35                       | 3                          | 16                          | 29.28     | 30.18                   | 19        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 57        | 25       | 43                         | 29      | 7            | 04                        | 29.35                | 30.26                 |
| 22                          | CLR       | NC                      |                           |                      | 10.00   |                       | 52       | 37        | 45  | 57                       | 0                          | 00                          | 29.29     | 30.19                   | 22        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 52        | 6        | 36                         | 15      | 8            | 07                        | 29.35                | 30.25                 |
| <b>SUNRISE: 0637 MAR 18</b> |           |                         |                           |                      |         | <b>SUNSET: 1840</b>   |          |           |   |                          |                            | <b>SUNRISE: 0628 MAR 24</b> |           |                         |           |              |         | <b>SUNSET: 1846</b>       |                      |                       |   |                          |           |          |                            |         |              |                           |                      |                       |
| 01                          | CLR       | NC                      |                           |                      | 10.00   |                       | 46       | 37        | 42  | 71                       | 0                          | 00                          | 29.27     | 30.17                   | 01        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 48        | 8        | 35                         | 19      | 6            | 06                        | 29.34                | 30.24                 |
| 04                          | CLR       | NC                      |                           |                      | 10.00   |                       | 44       | 36        | 40  | 74                       | 3                          | 20                          | 29.25     | 30.14                   | 04        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 44        | 11       | 33                         | 26      | 6            | 05                        | 29.32                | 30.22                 |
| 07                          | CLR       | NC                      |                           |                      | 10.00   |                       | 42       | 36        | 39  | 79                       | 0                          | 00                          | 29.28     | 30.18                   | 07        | FEW          | 100     |                           |                      | 10.00                 |   |                          | 41        | 13       | 32                         | 32      | 3            | 06                        | 29.34                | 30.24                 |
| 10                          | CLR       | NC                      |                           |                      | 10.00   |                       | 59       | 42        | 50  | 54                       | 7                          | 19                          | 29.31     | 30.20                   | 10        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 54        | 22       | 41                         | 29      | 5            | VR                        | 29.34                | 30.24                 |
| 13                          | CLR       | NC                      |                           |                      | 10.00   |                       | 70       | 43        | 56  | 38                       | 7                          | VR                          | 29.23     | 30.12                   | 13        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 70        | 33       | 52                         | 26      | 0            | 00                        | 29.28                | 30.17                 |
| 16                          | CLR       | NC                      |                           |                      | 10.00   |                       | 74       | 41        | 56  | 31                       | 8                          | 23                          | 29.15     | 30.04                   | 16        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 72        | 35       | 53                         | 26      | 6            | 14                        | 29.19                | 30.08                 |
| 19                          | CLR       | NC                      |                           |                      | 10.00   |                       | 68       | 39        | 53  | 35                       | 6                          | 21                          | 29.13     | 30.03                   | 19        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 68        | 37       | 52                         | 32      | 6            | 08                        | 29.16                | 30.06                 |
| 22                          | CLR       | NC                      |                           |                      | 10.00   |                       | 63       | 39        | 51  | 41                       | 3                          | 20                          | 29.15     | 30.04                   | 22        | CLR          | NC      |                           |                      | 10.00                 |   |                          | 66        | 35       | 51                         | 32      | 7            | 12                        | 29.16                | 30.05                 |

# OBSERVATIONS AT 3-HOURLY INTERVALS

# HUNTINGTON, WV MARCH 2009 KHTS

WBAN # 03860

| HOUR (LST)   | SKY COVER | CEILING<br>100's of FT. | SATELLITE                 |                      | WEATHER | TEMPERATURE<br>°F |           |          | WIND                       |             | PRESSURE<br>(INCHES, HG) |         |              |
|--|-----------|-------------------------|---------------------------|----------------------|---------|-------------------|-----------|----------|----------------------------|-------------|--------------------------|---------|--------------|
|  |           |                         | Observation<br>Time (LST) | Eff Cld Amt<br>Oktas |         | DRY BULB          | DEW POINT | WET BULB | RELATIVE<br>HUMIDITY (PCT) | SPEED (MPH) | DIRECTION<br>Tens of Deg | STATION | SEA<br>LEVEL |
| <b>SUNRISE: 0626      MAR 25      SUNSET: 1847</b> |           |                         |                           |                      |         |                   |           |          |                            |             |                          |         |              |
| 01   | CLR       | NC                      |                           |                      |         | 63                | 36        | 50       | 37                         | 10          | 14                       | 29.17   | 30.05        |
| 04   | SCT       | 085                     |                           |                      |         | 58                | 39        | 49       | 49                         | 8           | 16                       | 29.13   | 30.02        |
| 07   | OVC       | 075                     |                           |                      | -RA BR  | 50                | 46        | 48       | 86                         | 8           | 13                       | 29.14   | 30.03        |
| 10   | OVC       | 070                     |                           |                      | -RA     | 52                | 50        | 51       | 93                         | 7           | 17                       | 29.15   | 30.04        |
| 13   | BKN       | 095                     |                           |                      |         | 61                | 51        | 55       | 70                         | 13          | 19                       | 29.07   | 29.95        |
| 16   | OVC       | 080                     |                           |                      | -RA     | 62                | 52        | 56       | 70                         | 7           | 17                       | 29.03   | 29.91        |
| 19   | OVC       | 050                     |                           |                      | -RA BR  | 56                | 53        | 54       | 90                         | 3           | 17                       | 29.05   | 29.93        |
| 22   | OVC       | 048                     |                           |                      | -RA     | 55                | 53        | 54       | 93                         | 7           | 17                       | 29.05   | 29.95        |
| <b>SUNRISE: 0625      MAR 26      SUNSET: 1848</b> |           |                         |                           |                      |         |                   |           |          |                            |             |                          |         |              |
| 01   | OVC       | 031                     |                           |                      |         | 55                | 52        | 53       | 90                         | 3           | 16                       | 29.02   | 29.91        |
| 04   | OVC       | 100                     |                           |                      |         | 55                | 51        | 53       | 86                         | 5           | 18                       | 28.99   | 29.87        |
| 07   | OVC       | 065                     |                           |                      | -RA BR  | 54                | 52        | 53       | 93                         | 7           | 18                       | 28.98   | 29.86        |
| 10   | OVC       | 024                     |                           |                      | RA BR   | 54                | 53        | 53       | 96                         | 3           | 11                       | 28.90   | 29.79        |
| 13   | OVC       | 042                     |                           |                      |         | 57                | 55        | 56       | 93                         | 8           | 22                       | 28.90   | 29.78        |
| 16   | OVC       | 009                     |                           |                      |         | 51                | 49        | 50       | 93                         | 11          | 32                       | 28.98   | 29.87        |
| 19   | CLR       | NC                      |                           |                      |         | 50                | 46        | 48       | 86                         | 6           | 31                       | 29.05   | 29.93        |
| 22   | VV        | 001                     |                           |                      | FG      | 44                | 44        | 44       | 100                        | 0           | 00                       | 29.09   | 29.99        |
| <b>SUNRISE: 0623      MAR 27      SUNSET: 1848</b> |           |                         |                           |                      |         |                   |           |          |                            |             |                          |         |              |
| 01   | OVC       | 014                     |                           |                      | FG      | 40                | 40        | 40       | 100                        | 0           | 00                       | 29.08   | 29.98        |
| 04   | OVC       | 017                     |                           |                      | FG      | 38                | 38        | 38       | 100                        | 0           | 00                       | 29.05   | 29.95        |
| 07   | OVC       | 005                     |                           |                      | FG      | 41                | 41        | 41       | 100                        | 5           | 04                       | 29.05   | 29.95        |
| 10   | CLR       | NC                      |                           |                      | BR      | 48                | 46        | 47       | 93                         | 7           | 07                       | 29.04   | 29.93        |
| 13   | BKN       | 070                     |                           |                      |         | 54                | 48        | 51       | 80                         | 6           | VR                       | 29.00   | 29.89        |
| 16   | OVC       | 036                     |                           |                      |         | 53                | 50        | 51       | 90                         | 6           | 05                       | 28.93   | 29.83        |
| 19   | OVC       | 025                     |                           |                      | RA BR   | 51                | 50        | 50       | 96                         | 8           | 06                       | 28.94   | 29.83        |
| 22   | OVC       | 008                     |                           |                      | -RA BR  | 51                | 51        | 51       | 100                        | 5           | 04                       | 28.96   | 29.85        |
| <b>SUNRISE: 0622      MAR 28      SUNSET: 1849</b> |           |                         |                           |                      |         |                   |           |          |                            |             |                          |         |              |
| 01   | OVC       | 075                     |                           |                      |         | 51                | 50        | 50       | 96                         | 6           | 35                       | 28.92   | 29.80        |
| 04   | OVC       | 003                     |                           |                      | BR      | 50                | 50        | 50       | 100                        | 3           | 03                       | 28.88   | 29.77        |
| 07   | VV        | 001                     |                           |                      | FG      | 50                | 50        | 50       | 100                        | 0           | 00                       | 28.90   | 29.79        |
| 10   | VV        | 001                     |                           |                      | FG      | 50                | 50        | 50       | 100                        | 6           | 06                       | 28.89   | 29.77        |
| 13   | OVC       | 008                     |                           |                      |         | 54                | 52        | 53       | 93                         | 7           | 01                       | 28.81   | 29.70        |
| 16   | BKN       | 080                     |                           |                      |         | 59                | 55        | 57       | 87                         | 8           | 08                       | 28.71   | 29.59        |
| 19   | CLR       | NC                      |                           |                      |         | 62                | 54        | 57       | 75                         | 7           | 10                       | 28.58   | 29.45        |
| 22   | CLR       | NC                      |                           |                      |         | 59                | 52        | 55       | 78                         | 7           | 12                       | 28.51   | 29.38        |
| <b>SUNRISE: 0620      MAR 29      SUNSET: 1850</b> |           |                         |                           |                      |         |                   |           |          |                            |             |                          |         |              |
| 01   | BKN       | 120                     |                           |                      |         | 62                | 51        | 56       | 67                         | 6           | 17                       | 28.48   | 29.35        |
| 04   | OVC       | 044                     |                           |                      |         | 50                | 45        | 47       | 83                         | 17          | 26                       | 28.52   | 29.39        |
| 07   | BKN       | 045                     |                           |                      |         | 44                | 33        | 39       | 65                         | 8           | 23                       | 28.60   | 29.47        |
| 10   | OVC       | 050                     |                           |                      |         | 47                | 33        | 41       | 58                         | 18          | 22                       | 28.61   | 29.49        |
| 13   | OVC       | 055                     |                           |                      | -RA     | 45                | 34        | 40       | 65                         | 17          | 23                       | 28.66   | 29.54        |
| 16   | OVC       | 042                     |                           |                      |         | 40                | 33        | 37       | 76                         | 20          | 25                       | 28.75   | 29.64        |
| 19   | OVC       | 025                     |                           |                      |         | 40                | 32        | 37       | 73                         | 9           | 26                       | 28.84   | 29.74        |
| 22   | OVC       | 019                     |                           |                      |         | 39                | 33        | 36       | 79                         | 11          | 26                       | 28.96   | 29.85        |
| <b>SUNRISE: 0619      MAR 30      SUNSET: 1851</b> |           |                         |                           |                      |         |                   |           |          |                            |             |                          |         |              |
| 01   | OVC       | 030                     |                           |                      |         | 38                | 33        | 36       | 82                         | 9           | 26                       | 29.05   | 29.95        |
| 04   | OVC       | 040                     |                           |                      |         | 38                | 30        | 35       | 73                         | 9           | 26                       | 29.08   | 29.98        |
| 07   | SCT       | 034                     |                           |                      |         | 37                | 27        | 33       | 67                         | 9           | 26                       | 29.15   | 30.06        |
| 10   | BKN       | 032                     |                           |                      |         | 43                | 29        | 37       | 58                         | 6           | VR                       | 29.20   | 30.11        |
| 13   | CLR       | NC                      |                           |                      |         | 51                | 29        | 42       | 43                         | 5           | 23                       | 29.17   | 30.08        |
| 16   | CLR       | NC                      |                           |                      |         | 57                | 29        | 45       | 34                         | 7           | 33                       | 29.14   | 30.04        |
| 19   | CLR       | NC                      |                           |                      |         | 54                | 25        | 42       | 33                         | 3           | 04                       | 29.15   | 30.06        |
| 22   | CLR       | NC                      |                           |                      |         | 47                | 28        | 39       | 48                         | 3           | 10                       | 29.16   | 30.07        |

| HOUR (LST)   | SKY COVER | CEILING<br>100's of FT. | SATELLITE                 |                      | WEATHER | TEMPERATURE<br>°F |           |          | WIND                       |             | PRESSURE<br>(INCHES, HG) |         |              |
|--|-----------|-------------------------|---------------------------|----------------------|---------|-------------------|-----------|----------|----------------------------|-------------|--------------------------|---------|--------------|
|  |           |                         | Observation<br>Time (LST) | Eff Cld Amt<br>Oktas |         | DRY BULB          | DEW POINT | WET BULB | RELATIVE<br>HUMIDITY (PCT) | SPEED (MPH) | DIRECTION<br>Tens of Deg | STATION | SEA<br>LEVEL |
| <b>SUNRISE: 0617      MAR 31      SUNSET: 1852</b> |           |                         |                           |                      |         |                   |           |          |                            |             |                          |         |              |
| 01   | CLR       | NC                      |                           |                      |         | 42                | 29        | 37       | 60                         | 5           | 10                       | 29.14   | 30.04        |
| 04   | CLR       | NC                      |                           |                      |         | 38                | 31        | 35       | 76                         | 0           | 00                       | 29.11   | 30.01        |
| 07   | CLR       | NC                      |                           |                      |         | 36                | 30        | 34       | 79                         | 5           | 06                       | 29.10   | 30.00        |
| 10   | CLR       | NC                      |                           |                      |         | 54                | 34        | 45       | 47                         | 7           | 24                       | 29.11   | 30.01        |
| 13   | CLR       | NC                      |                           |                      |         | 69                | 30        | 50       | 23                         | 6           | VR                       | 29.02   | 29.91        |
| 16   | OVC       | 085                     |                           |                      |         | 67                | 29        | 49       | 24                         | 5           | 17                       | 28.95   | 29.83        |
| 19   | FEW       | 100                     |                           |                      |         | 61                | 37        | 49       | 41                         | 6           | 13                       | 28.92   | 29.80        |
| 22   | BKN       | 100                     |                           |                      |         | 61                | 35        | 49       | 38                         | 8           | 16                       | 28.91   | 29.79        |

**3-HOURLY OBSERVATION NOTES**

Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, W = Vertical Visibility = 8/8

Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC = No Ceiling detected.

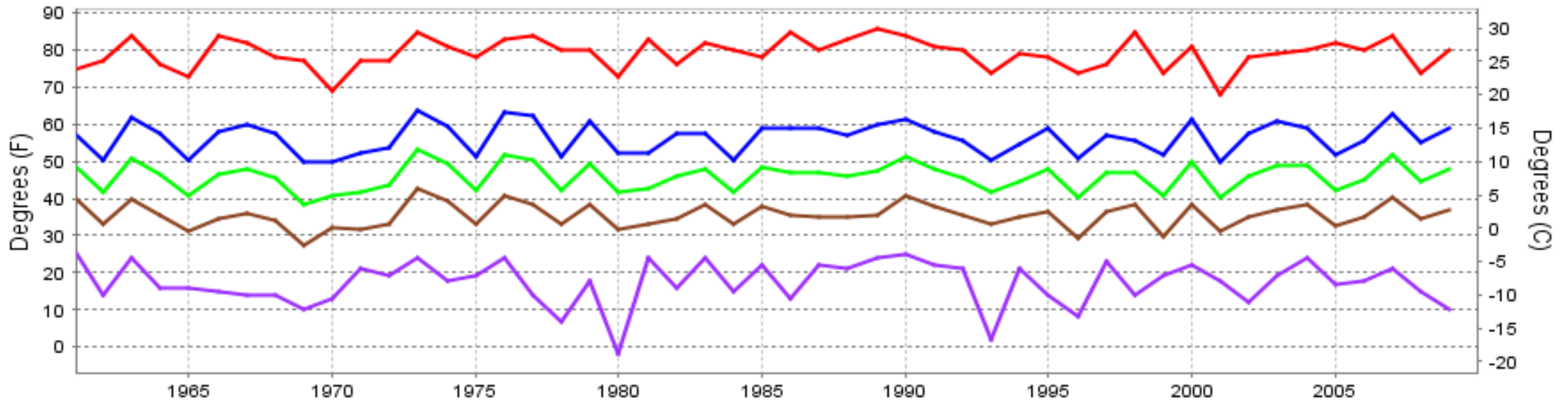
& = Original observation contained additional weather elements.

See page 3 for additional notes.

## SUMMARY BY HOUR

| HOUR (LST) | AVERAGES   |             |          |           |          |                   |                       |           |                    |                  | RESULTANT WIND (MPH) |           |
|------------|------------|-------------|----------|-----------|----------|-------------------|-----------------------|-----------|--------------------|------------------|----------------------|-----------|
|            | CEILOMETER | EFF CLD AMT | DRY BULB | DEW POINT | WET BULB | RELATIVE HUMIDITY | PRESSURE (Inches, HG) |           | VISIBILITY (Miles) | WIND SPEED (MPH) | SPEED                | DIRECTION |
|            |            |             |          |           |          |                   | STATION               | SEA LEVEL |                    |                  |                      |           |
| 01         |            |             | 44       | 32        | 39       | 67                | 29.23                 | 30.13     | 8.42               | 5                | 2                    | 19        |
| 02         |            |             | 43       | 33        | 39       | 69                | 29.23                 | 30.13     | 8.09               | 5                | 2                    | 22        |
| 03         |            |             | 42       | 32        | 38       | 71                | 29.22                 | 30.13     | 8.35               | 6                | 2                    | 21        |
| 04         |            |             | 42       | 32        | 38       | 71                | 29.22                 | 30.12     | 8.19               | 5                | 3                    | 23        |
| 05         |            |             | 41       | 33        | 37       | 74                | 29.23                 | 30.14     | 8.03               | 5                | 2                    | 21        |
| 06         |            |             | 40       | 32        | 37       | 76                | 29.25                 | 30.15     | 8.02               | 5                | 2                    | 21        |
| 07         |            |             | 40       | 32        | 37       | 76                | 29.26                 | 30.16     | 8.00               | 5                | 2                    | 19        |
| 08         |            |             | 41       | 33        | 38       | 74                | 29.27                 | 30.17     | 8.08               | 5                | 2                    | 17        |
| 09         |            |             | 43       | 34        | 39       | 70                | 29.27                 | 30.18     | 8.07               | 6                | 2                    | 17        |
| 10         |            |             | 46       | 34        | 41       | 66                | 29.27                 | 30.18     | 8.02               | 7                | 2                    | 21        |
| 11         |            |             | 49       | 34        | 43       | 62                | 29.27                 | 30.17     | 8.40               | 6                | 2                    | 20        |
| 12         |            |             | 52       | 35        | 44       | 57                | 29.26                 | 30.16     | 9.11               | 7                | 3                    | 23        |
| 13         |            |             | 54       | 35        | 45       | 53                | 29.24                 | 30.14     | 9.31               | 8                | 4                    | 25        |
| 14         |            |             | 55       | 34        | 46       | 50                | 29.22                 | 30.12     | 9.05               | 7                | 2                    | 23        |
| 15         |            |             | 56       | 34        | 46       | 49                | 29.21                 | 30.11     | 9.21               | 8                | 3                    | 24        |
| 16         |            |             | 56       | 33        | 46       | 48                | 29.20                 | 30.10     | 9.27               | 7                | 3                    | 24        |
| 17         |            |             | 55       | 33        | 46       | 49                | 29.20                 | 30.10     | 9.34               | 7                | 2                    | 21        |
| 18         |            |             | 54       | 33        | 45       | 49                | 29.20                 | 30.09     | 9.06               | 7                | 2                    | 20        |
| 19         |            |             | 53       | 32        | 44       | 51                | 29.20                 | 30.10     | 9.27               | 6                | 2                    | 20        |
| 20         |            |             | 51       | 32        | 43       | 53                | 29.21                 | 30.11     | 9.11               | 6                | 2                    | 20        |
| 21         |            |             | 50       | 32        | 43       | 56                | 29.22                 | 30.12     | 8.90               | 6                | 2                    | 19        |
| 22         |            |             | 49       | 32        | 42       | 59                | 29.22                 | 30.12     | 8.56               | 6                | 2                    | 18        |
| 23         |            |             | 47       | 33        | 41       | 62                | 29.22                 | 30.12     | 8.88               | 5                | 2                    | 19        |
| 24         |            |             | 46       | 33        | 41       | 65                | 29.22                 | 30.12     | 8.56               | 5                | 2                    | 20        |

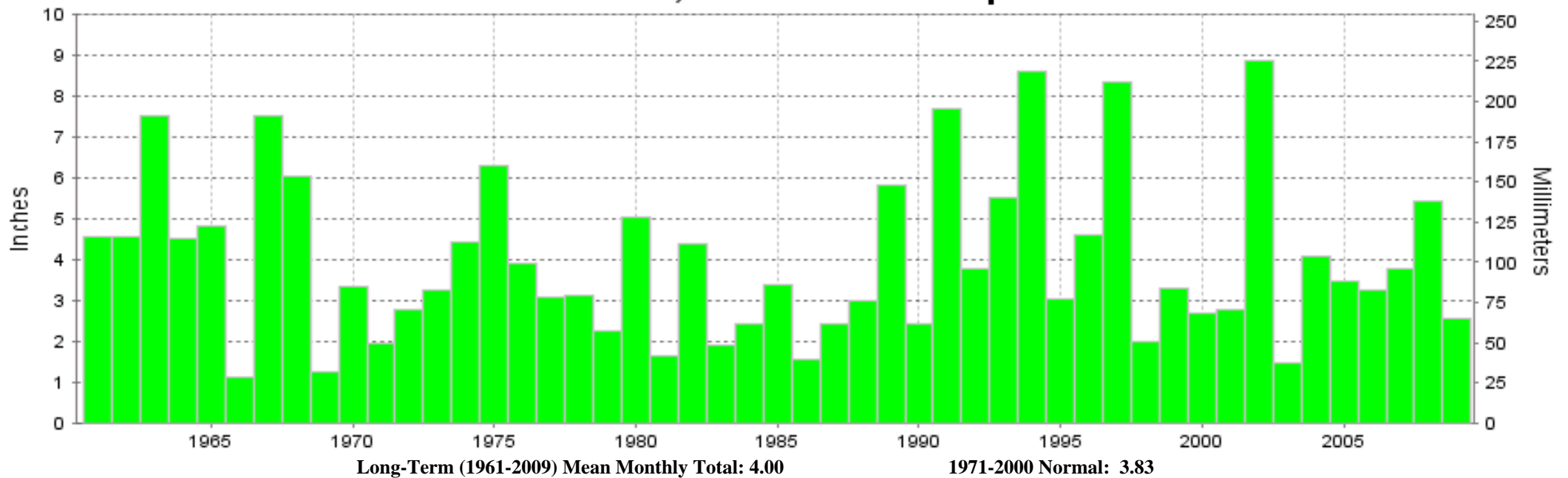
## HUNTINGTON, WV MARCH Temperatures



— Extreme Max — Mean Max — Mean — Mean Min — Extreme Min

Long-Term (1961-2009) Mean: 45.9  
1971-2000 Normal: 45.9

## HUNTINGTON, WV MARCH Precipitation



Long-Term (1961-2009) Mean Monthly Total: 4.00

1971-2000 Normal: 3.83



MARCH 2009  
HUNTINGTON, WV

# LOCAL CLIMATOLOGICAL DATA

## NOAA, National Climatic Data Center

*I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA-National Weather Service / Department Of Transportation-Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.*

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