

## December 2005

**December was much below average in temperature and a little above average in precipitation.**

The December mean temperature of 34.7 °F was a departure of -3.0 °F, the sixth coldest December, and the precipitation departure was 0.23 inches. For the year, we had a surplus of 2.58 inches of precipitation and a total of 46.88 inches for the year. The maximum, minimum and mean monthly average temperatures were all the lowest since the year 2000 which was the second coldest December in the last 25 years. Even though the month was cold, for the most part, there wasn't any extreme cold like last December 20<sup>th</sup> at 0813 when the wind chill was -13.1 °F. The lowest wind chill this month was only +11.0 °F on the 20<sup>th</sup> at 0619.

The snowfall total for December was 7.4 inches, the most for December since 2003 and a departure of 4.7 inches for the month and the fourth greatest amount of snow recorded in December in the last 25 years. The snowfall total for 2005 was 29.2 inches which was the most snowfall for a year since 2003 when 49.9 inches was recorded. This December had five days with measurable amounts of frozen precipitation which tied the 25 year record. The year 1989, the coldest December on record also had five days with measurable frozen precipitation. Measurable snow cover lay on the ground for 19 days the most since 1989 when 24 days were recorded.

The lowest temperature recorded for the month was 14 °F and the highest monthly maximum was only 58 °F which was the lowest monthly maximum since 2000.

The maximum wind gust was 37 mph from WNW at 1825 on the 2<sup>nd</sup>.

The maximum barometer reading of 30.74 inches on the 8<sup>th</sup> was the highest recorded for December since 1993 when it was 30.80 inches although 2000 was close with a barometer reading of 30.73 inches.

### **Only 5 December DAILY Records Tied or Broken- (25 Years of records)**

December had 0 daily **HIGH** maximum 25-year temperature records for the date.

December had 1 daily **LOW** maximum 25-year temperature record for the date. Dec. - 14

December had 0 daily **HIGH** minimum 25-year temperature records for the date.

December had 1 daily **LOW** minimum 25-year temperature record for the date. Dec. - 8

December had 1 daily **HIGH** range 25-year temperature records for the date. Dec. - 23

December had 0 daily **LOW** range 25-year temperature records for the date.

December had 0 daily **HIGH** 25-year precipitation records for the date.

December had 2 daily **HIGH** 25-year snowfall records for the date. Dec. - 3, 9

PAGE #1 DEC 2005 Annandale ( Barcroft Hills Weather Center ) 38° 50' 26" N 77° 09' 58" W Stat. # 21517 Koontz

| 1           | 2             | 3            | 4             | 5            | 6              | 7             | 8              | 9             | 10        | 11        | 12               | 13                 | 14                | 15               | 16                | 17            | 18          |
|-------------|---------------|--------------|---------------|--------------|----------------|---------------|----------------|---------------|-----------|-----------|------------------|--------------------|-------------------|------------------|-------------------|---------------|-------------|
| 2005<br>DEC | TEMP.<br>MAX. | TIME<br>MAX. | TEMP.<br>MIN. | TIME<br>MIN. | TEMP.<br>RANGE | TEMP.<br>MEAN | MEAN<br>CHANGE | SOIL<br>TEMP. | SKY<br>AM | SKY<br>PM | PRECIP<br>MELTED | MAX.1HR<br>PRECIP. | MAX.5M<br>PRECIP. | FROZ.<br>PRECIP. | SNOW ON<br>GROUND | START<br>TIME | END<br>TIME |
| Dec-01      | 45            | 13:16        | 30            | 5:46         | 15             | 37.5          | -6.0           | 51            | 1         | 2         | T                | T                  |                   |                  |                   | 1915          | 1920        |
| Dec-02      | 41            | 10:16        | 27            | 23:50        | 14             | 34.0          | -11.5          | 49            | 1         | 1         |                  |                    |                   |                  |                   |               |             |
| Dec-03      | 36            | 13:53        | 21            | 5:09         | 15             | 28.5          | -17.0          | 47            | 1         | 2         | 0.02             | 0.02               | 0.01              | 0.1              | NONE              | 2215          | 2400        |
| Dec-04      | 50            | 13:23        | 32            | 0:01         | 18             | 41.0          | -4.5           | 46            | 1         | 1         | 0.22             | 0.10               | 0.01              |                  |                   | 0001          | 0455        |
| Dec-05      | 38            | 0:01         | 29            | 23:59        | 9              | 33.5          | -12.0          | 46            | 2         | 2         | 0.19             | 0.06               | 0.01              | 2.6              | 1.0               | 1330          | 2400        |
| Dec-06      | 36            | 14:17        | 24            | 22:13        | 12             | 30.0          | -15.5          | 46            | 0         | 0         | 0.11             | 0.04               | 0.01              | 1.9              | 3.0               | 0001          | 0427        |
| Dec-07      | 36            | 14:17        | 22            | 2:46         | 14             | 29.0          | -16.5          | 45            | 0         | 0         |                  |                    |                   |                  | 2.4               |               |             |
| Dec-08      | 34            | 14:21        | 20            | 7:12         | 14             | 27.0          | -18.5          | 45            | 1         | 1         | T                |                    |                   | T                | 1.9               | 2350          | 2400        |
| Dec-09      | 37            | 12:16        | 27            | 4:34         | 10             | 32.0          | -13.5          | 44            | 0         | 0         | 0.64             | 0.18               | 0.03              | 2.2              | 3.0               | 0001          | 0645        |
| Dec-10      | 40            | 14:19        | 19            | 7:06         | 21             | 29.5          | -16.0          | 43            | 1         | 0         |                  |                    |                   |                  | 2.5               |               |             |
| Dec-11      | 45            | 14:21        | 25            | 6:55         | 20             | 35.0          | -10.5          | 42            | 1         | 2         | T                |                    |                   |                  | 2.2               | 1539          | 1543        |
| Dec-12      | 37            | 10:47        | 27            | 23:51        | 10             | 32.0          | -13.5          | 42            | 2         | 2         | T                |                    |                   | FLR.             | 1.7               | 0920          | 0925        |
| Dec-13      | 31            | 14:23        | 18            | 23:41        | 13             | 24.5          | -21.0          | 41            | 0         | 0         |                  |                    |                   |                  | 1.5               |               |             |
| Dec-14      | 26            | 14:47        | 14            | 6:30         | 12             | 20.0          | -25.5          | 41            | 2         | 2         |                  |                    |                   |                  | 1.5               |               |             |
| Dec-15      | 37            | 21:00        | 24            | 0:01         | 13             | 30.5          | -15.0          | 39            | 2         | 2         | 1.10             | 0.19               | 0.03              | 0.6              | 1.8               | 0910          | 0935        |
| Dec-16      | 46            | 14:23        | 32            | 22:18        | 14             | 39.0          | -6.5           | 38            | 0         | 1         | 0.24             |                    |                   |                  | 0.9               | 0001          | 0200        |
| Dec-17      | 45            | 13:31        | 30            | 4:24         | 15             | 37.5          | -8.0           | 39            | 2         | 1         |                  |                    |                   |                  | 0.7               |               |             |
| Dec-18      | 46            | 14:23        | 30            | 23:58        | 16             | 38.0          | -7.5           | 39            | 1         | 0         |                  |                    |                   |                  | 0.5               |               |             |
| Dec-19      | 40            | 12:40        | 24            | 22:29        | 16             | 32.0          | -13.5          | 40            | 2         | 0         |                  |                    |                   |                  | 0.4               |               |             |
| Dec-20      | 38            | 14:25        | 20            | 2:47         | 18             | 29.0          | -16.5          | 40            | 0         | 0         |                  |                    |                   |                  | 0.3               |               |             |
| Dec-21      | 37            | 14:25        | 22            | 7:44         | 15             | 29.5          | -16.0          | 38            | 0         | 0         |                  |                    |                   |                  | 0.3               |               |             |
| Dec-22      | 42            | 13:30        | 23            | 6:28         | 19             | 32.5          | -13.0          | 38            | 0         | 1         |                  |                    |                   |                  | 0.2               |               |             |
| Dec-23      | 55            | 14:32        | 25            | 5:36         | 30             | 40.0          | -5.5           | 37            | 0         | 0         |                  |                    |                   |                  | 0.1               |               |             |
| Dec-24      | 58            | 14:26        | 32            | 7:37         | 26             | 45.0          | -0.5           | 37            | 1         | 0         |                  |                    |                   |                  | T                 |               |             |
| Dec-25      | 42            | 14:39        | 34            | 3:54         | 8              | 38.0          | -7.5           | 38            | 2         | 2         | 0.58             | 0.27               | 0.06              |                  | T                 | 1015          | 1548        |
| Dec-26      | 46            | 10:43        | 38            | 7:48         | 8              | 42.0          | -3.5           | 39            | 1         | 2         | 0.02             | 0.02               | 0.01              |                  | T                 | 0318          | 0630        |
| Dec-27      | 45            | 14:19        | 34            | 23:55        | 11             | 39.5          | -6.0           | 40            | 0         | 1         |                  |                    |                   |                  | NONE              |               |             |
| Dec-28      | 51            | 15:34        | 32            | 2:44         | 19             | 41.5          | -4.0           | 40            | 2         | 1         |                  |                    |                   |                  |                   |               |             |
| Dec-29      | 50            | 0:30         | 42            | 23:59        | 8              | 46.0          | 0.5            | 41            | 2         | 2         | 0.37             | 0.13               | 0.03              |                  |                   | 0031          | 0400        |
| Dec-30      | 47            | 14:19        | 34            | 21:46        | 13             | 40.5          | -5.0           | 42            | 1         | 1         |                  |                    |                   |                  |                   |               |             |
| Dec-31      | 48            | 14:34        | 36            | 4:05         | 12             | 42.0          | -3.5           | 42            | 2         | 0         | T                |                    |                   |                  |                   | 0623          | 0626        |
| TOT.        | 1305.0        | 40110        | 847.0         | 34786        | 458.0          | 1076.0        | -332.5         | 1295.0        | 31.0      | 29.0      | 3.49             | 1.01               | 0.20              | 7.4              | 25.9              | MAX.          | TEMP        |
| NUM.        | 31            | 31           | 31            | 31           | 31             | 31            | 31             | 31            | 31        | 31        | 10               | 9                  | 9                 | 5                | 19                | >=65          | 0           |
| AVE.        | 42.10         | 13:06        | 27.32         | 11:27        | 14.77          | 34.71         | -10.73         | 41.77         | 1.00      | 0.94      | 0.35             | 0.11               | 0.02              | 1.5              | 1.4               | >=60          | 0           |
| MAX.        | 58            | 21:00        | 42            | 23:59        | 30             | 46.0          | 0.5            | CLEAR         | 10        | 12        | 24 Hr.           | 0.27               | 0.06              | 2.6              | 3                 | >=55          | 2           |
| MIN.        | 26            | 0:01         | 14            | 0:01         | 8              | 20.0          | -25.5          | P.CLO.        | 11        | 9         | 1.34             | >= 1.00            | >= 2.00           | Inches           | THUNDER           | >=50          | 5           |
| >=90°       | 0             | <=32°        | 25            |              |                |               |                | CLO.          | 10        | 10        | 1.10             | 1                  | 0                 | Days             | 0                 | >=45          | 14          |
| DATE        | 12-24         | DATE         | 12-14         | DATE OF      | 12-29          | DATE OF       | 12-14          |               | DATE      | 12-15     |                  | DATE               | 12-05             |                  |                   | >=40          | 19          |
| MAX.        |               | MIN.         |               | HIGHEST      |                | LOWEST        |                |               | MAX.      |           |                  |                    |                   |                  |                   | >=30          | 30          |
| TEMP.       |               | TEMP.        |               | TEMPS.       |                | TEMPS.        |                |               | PREC.     |           |                  |                    |                   | SNOW             |                   | >=20          | 31          |

| PAGE #2 DEC 2005 Annandale ( Barcroft Hills Weather Center ) 38° 50' 26" N 77° 09' 58" W Stat. # 21517 Koontz |               |             |             |              |              |            |            |              |              |              |                |                |              |               |                 |                 |                 |                 |
|---------------------------------------------------------------------------------------------------------------|---------------|-------------|-------------|--------------|--------------|------------|------------|--------------|--------------|--------------|----------------|----------------|--------------|---------------|-----------------|-----------------|-----------------|-----------------|
| 19                                                                                                            | 20            | 21          | 22          | 23           | 24           | 25         | 26         | 27           | 28           | 29           | 30             | 31             | 32           | 33            | 34              | 35              | 36              | 37              |
| 2005<br>DEC                                                                                                   | START<br>TIME | END<br>TIME | WIND<br>RUN | MAX.<br>GUST | TIME<br>GUST | MAX.<br>RH | MIN.<br>RH | MAX.<br>BAR. | MIN.<br>BAR. | AVE.<br>BAR. | BAR.<br>CHANGE | BAR.&<br>PREC. | MAP<br>FEAT. | FEAT.<br>LOC. | HP.LP.<br>TRACK | FRONT<br>DIRCT. | FRONT<br>INTEN. | FRONT<br>PASSED |
| Dec-01                                                                                                        |               |             | 24.8        | 24           | 2356         | 84         | 51         | 30.08        | 29.76        | 29.92        | -0.05          | 29.77          | 9            | OH            | EAST            |                 |                 |                 |
| Dec-02                                                                                                        |               |             | 130.2       | 37           | 1825         | 84         | 32         | 30.07        | 29.76        | 29.92        | -0.27          |                | 8            | ME            | NE              |                 |                 |                 |
| Dec-03                                                                                                        |               |             | 24.1        | 14           | 1150         | 75         | 25         | 30.22        | 29.98        | 30.10        | -0.08          | 30.10          | 9, 23        | OH            |                 | WEST            | WEAK            | 0300 ?          |
| Dec-04                                                                                                        |               |             | 45.0        | 18           | 1541         | 94         | 67         | 30.12        | 29.73        | 29.93        | -0.26          | 30.05          | 8            | LA            | NE              |                 |                 |                 |
| Dec-05                                                                                                        |               |             | 18.9        | 12           | 1047         | 92         | 56         | 30.19        | 29.98        | 30.09        | -0.10          | 30.13          | 8            | GA            | NE              |                 |                 |                 |
| Dec-06                                                                                                        |               |             | 32.4        | 19           | 1502         | 93         | 41         | 30.30        | 29.98        | 30.14        | -0.04          | 30.03          | 8            | NJC           | NE              |                 |                 |                 |
| Dec-07                                                                                                        |               |             | 44.3        | 23           | 1503         | 83         | 41         | 30.67        | 30.30        | 30.49        | 0.30           |                | 9            | ND            | SE              |                 |                 |                 |
| Dec-08                                                                                                        |               |             | 24.0        | 12           | 2336         | 74         | 38         | 30.74        | 30.31        | 30.53        | 0.34           | 30.32          | 9            | PA            | EAST            |                 |                 |                 |
| Dec-09                                                                                                        |               |             | 83.8        | 32           | 1159         | 96         | 49         | 30.31        | 30.03        | 30.17        | -0.01          | 30.32          | 8            | DLC           | NE              |                 |                 |                 |
| Dec-10                                                                                                        |               |             | 33.9        | 18           | 1252         | 88         | 54         | 30.21        | 29.72        | 29.97        | -0.22          |                | 9R           | VA-MS         | NE              |                 |                 |                 |
| Dec-11                                                                                                        | 1840          | 1900        | 30.6        | 18           | 1314         | 89         | 47         | 29.73        | 29.61        | 29.67        | -0.51          |                | 8, 23        | VAC           | NE              |                 |                 |                 |
| Dec-12                                                                                                        | 1210          | 1215        | 48.9        | 16           | 0613         | 77         | 51         | 30.04        | 29.72        | 29.88        | -0.31          |                | 11           |               |                 | NW              | AVE.            | 1330            |
| Dec-13                                                                                                        |               |             | 24.4        | 12           | 0018         | 78         | 32         | 30.43        | 30.04        | 30.24        | 0.05           |                | 9            | ON            | STAT.           |                 |                 |                 |
| Dec-14                                                                                                        |               |             | 9.6         | 8            | 0947         | 78         | 49         | 30.53        | 30.36        | 30.45        | 0.26           |                | 9            | ON            | STAT.           |                 |                 |                 |
| Dec-15                                                                                                        | 1033          | 1235        | 50.1        | 19           | 2006         | 100        | 62         | 30.37        | 29.63        | 30.00        | -0.18          | 30.36          | 8            | AL            | NE              |                 |                 |                 |
| Dec-16                                                                                                        |               |             | 68.6        | 22           | 0354         | 100        | 53         | 30.22        | 29.62        | 29.92        | -0.26          | 29.65          | 8, 9         | NJC           | NE              |                 |                 |                 |
| Dec-17                                                                                                        |               |             | 11.7        | 12           | 1330         | 89         | 45         | 30.51        | 30.22        | 30.37        | 0.18           |                | 8            | LAG           | NE              |                 |                 |                 |
| Dec-18                                                                                                        |               |             | 7.3         | 10           | 1431         | 88         | 43         | 30.53        | 30.32        | 30.43        | 0.24           |                | 9            | OH            | EAST            |                 |                 |                 |
| Dec-19                                                                                                        |               |             | 43.6        | 22           | 1410         | 86         | 43         | 30.32        | 30.22        | 30.27        | 0.09           |                | 11, 9        | MO            | EAST            | NW              | AVE.            | 1230            |
| Dec-20                                                                                                        |               |             | 65.8        | 21           | 1423         | 71         | 24         | 30.25        | 30.13        | 30.19        | 0.00           |                | 9            | IL            | SOUTH           |                 |                 |                 |
| Dec-21                                                                                                        |               |             | 36.8        | 17           | 0603         | 73         | 42         | 30.27        | 30.14        | 30.21        | 0.02           |                | 9R           | TX-MS         | EAST            |                 |                 |                 |
| Dec-22                                                                                                        |               |             | 22.7        | 11           | 1251         | 81         | 43         | 30.32        | 30.08        | 30.20        | 0.02           |                | 9            | MS            | EAST            |                 |                 |                 |
| Dec-23                                                                                                        |               |             | 22.9        | 13           | 1127         | 81         | 28         | 30.08        | 29.87        | 29.98        | -0.21          |                | 9            | AL            | EAST            |                 |                 |                 |
| Dec-24                                                                                                        |               |             | 9.9         | 9            | 1419         | 74         | 32         | 29.95        | 29.85        | 29.90        | -0.29          |                | 8            | MO            | EAST            |                 |                 |                 |
| Dec-25                                                                                                        |               |             | 18.1        | 35           | 1441         | 100        | 63         | 29.85        | 29.43        | 29.64        | -0.54          | 29.76          | 8            | KY            | NE              |                 |                 |                 |
| Dec-26                                                                                                        |               |             | 131.8       | 36           | 1302         | 100        | 60         | 29.76        | 29.39        | 29.58        | -0.61          | 29.42          | 8            | MA            | NE              |                 |                 |                 |
| Dec-27                                                                                                        |               |             | 75.8        | 30           | 0309         | 79         | 54         | 29.97        | 29.76        | 29.87        | -0.32          |                | 9            | GA            | EAST            |                 |                 |                 |
| Dec-28                                                                                                        |               |             | 28.1        | 12           | 1038         | 89         | 61         | 29.92        | 29.54        | 29.73        | -0.45          |                | 9            | FL            | EAST            |                 |                 |                 |
| Dec-29                                                                                                        | 0715          | 1140        | 80.2        | 26           | 1855         | 100        | 64         | 29.60        | 29.35        | 29.48        | -0.71          | 29.58          | 11           |               |                 | WEST            | WEAK            | 1130            |
| Dec-30                                                                                                        |               |             | 71.6        | 22           | 0702         | 88         | 62         | 29.90        | 29.60        | 29.75        | -0.43          |                | 9            | OH            | SE              |                 |                 |                 |
| Dec-31                                                                                                        |               |             | 9.3         | 9            | 1332         | 89         | 70         | 29.88        | 29.69        | 29.79        | -0.40          | 29.81          | 11           |               |                 | WEST            | WEAK            | 1400            |
| MIN.                                                                                                          | TEMP          | TOT.        | 1329.2      | 589          | 38896        | 2673       | 1482       | 935.34       | 926.12       | 930.73       | -4.79          | 389.30         |              |               |                 | EXTREMES        |                 | DATE            |
| <=55                                                                                                          | 31            | NUM.        | 31          | 31           | 31           | 31         | 31         | 31           | 31           | 31           | 31             | 13             | WX.          | FEAT.         |                 | MAX.            | TEMP            | 12-24           |
| <=50                                                                                                          | 31            | AVE.        | 42.88       | 19.00        | 1254.71      | 86.23      | 47.81      | 30.17        | 29.87        | 30.02        | -0.15          | 29.95          | LOW          | PR.=          | 12              | MIN.            | TEMP            | 12-14           |
| <=45                                                                                                          | 31            | MAX.        | 131.8       | 37           |              | 100        | 70         | 30.74        | 30.36        | 30.53        | 0.34           | 30.36          | HIGH         | PR.=          | 15              | MAX.            | MEAN            | 12-29           |
| <=40                                                                                                          | 30            | MIN.        | 7.3         | 8            |              | 71         | 24         | 29.60        | 29.35        | 29.48        | -0.71          | 29.42          | ELONG        | HP.=          | 2               | MIN.            | MEAN            | 12-14           |
| <=30                                                                                                          | 21            | MEDI        | 32.4        | 18           | 1314         | 88         | 49         | 30.21        | 29.85        | 29.98        | -0.18          | 30.03          | COLD         | FRO.=         | 4               | MAX.            | PREC            | 12-15           |
| <=20                                                                                                          | 5             | DATE        |             | 12-02        | 1825         |            |            | DATE         | 12-08        | 12-29        |                |                | WARM         | FRO.=         | 0               | MAX.            | WIND            | 12-02           |
| <=15                                                                                                          | 1             | MAX.        |             |              |              |            |            | MAX.         |              |              |                |                | STAT.        | FRO.=         | 0               | MAX.            | BAR.            | 12-08           |
| <= 10                                                                                                         | 0             | WIND        |             |              |              |            |            | BAR.         |              |              |                |                | ALL          | HPS.=         | 17              | MIN.            | BAR.            | 12-29           |

# **Annandale ( Barcroft Hills Weather Center ) 38° 50' 26" N 77° 09' 58" W Stat. # 21517 Koontz**

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**2005  
DEC**

**December-2005  
REMARKS FOR THE MONTH**

**Dec-01**

**Dec-02**

**Dec-03**

**Dec-04**

**Dec-05**

**Dec-06**

**Dec-07**

**Dec-08**

**Dec-09**

**Dec-10**

VIRGA SEEN TODAY-VERY WINDY AND A COLD DAY  
25 YR. REC. FROZEN AMT. OF PRECIP. FOR DATE OF 0.1 INS. OF SLEET-PRECIP. STARTED AS SLEET AND TURNED TO RAIN BY MIDNIGHT  
LOW PRESSURE ON A COLD FRONT TO MOVE UP THE CF AND PASS TO OUR SE-PC SKIES ALL DAY AND ALMOST ENOUGH TO BE CALLED CLOUDY  
LP ON COLD FRONT TO SOUTH OF VA.- SNOW TO WATER RATIO WAS 13.7 TO 1  
ONLY 4.2 INS. OF SNOW BY 0800 DUE TO SETTLING AND ONLY 3 INS. OF SNOW BY THIS EVENING  
CLEAR, COLD AND BREEZY DRY DAY - A VERY SLIGHT TRACE OF SLEET JUST FIVE MINUTES BEFORE MIDNIGHT.  
SUN THROUGHT VERY THIN VEIL OF CIRRUS MOST OF DAY-25 YR. REC. LOW MIN. TEMP. REC. FOR DATE  
25 YR. REC. SNOW AND SLEET TOTAL FOR DATE- OLD REC. WAS 1.9 INS.  
COLDEST SINCE MARCH 10, 2005 WHEN IT WAS ALSO 19° F

**Dec-11**

**Dec-12**

**Dec-13**

**Dec-14**

**Dec-15**

LIGHT FROST AND ONLY A FEW SPRINKLES DURING AFTERNOON  
3RD SNOW FLURRY OF DAY FROM 1612-1615  
100% SUNSHINE BUT A VERY COLD DAY  
COLDEST AM SINCE JAN. 29, 2005 WHEN IT WAS 14° F -ALSO 25 YR. LOW MAX. TEMP. REC. FOR DATE  
3RD PD. OF PRECIP. 1250-2400 AND HEAVY FOG AT 2200 - A TEN MINUTE PERIOD OF SLEET from 1220 to 1230.

**Dec-16**

**Dec-17**

**Dec-18**

**Dec-19**

**Dec-20**

HIGH PRESSURE IN TX TRACKING ENE  
CLOUDY IN AM AND LOT OF CIRRUS IN PM SKY  
MOSTLY CLOUDY UNTIL ABOUT 1030-1100  
VERY COLD DRY WEATHER LOWEST REL. HUMIDITY FOR DEC. OF 28% & MIN. DEW POINT OF ONLY 3.4° F AT 1457

**Dec-21**

**Dec-22**

**Dec-23**

**Dec-24**

**Dec-25**

100% SUN BUT A COLD DEC. DAY  
100% SUN IN AM BUT CLOUDS CAME IN AROUND NOON AND PM WAS ALMOST CLOUDY  
ALMOST 100% SUN ALL DAY-HIGHEST MAX. TEMP. SINCE NOV. 29TH WHEN IT WAS 67 °F - TODAY ALSO WAS A 25-YR REC. DAILY TEMP. RANGE OF 30 °F  
HIGHEST MAX. TEMP. SINCE NOV. 29TH WHEN IT WAS 67 °F  
LIGHT ADVECTION FOG WITH COLD GROUND THAT BECAME MODERATE TO HEAVY FOG

**Dec-26**

**Dec-27**

**Dec-28**

**Dec-29**

**Dec-30**

**Dec-31**

VERY WINDY IN AFTERNOON-SNOW FLURRIES IN MOUNTAINS AND VIRGA SEEN HERE  
YESTERDAY WAS WINDIEST SINCE 4/3/2005 WHEN WIND RUN WAS 188.5 MILES  
HIGH PRESSURE IN FL BUT ALSO A LP IN IL TO BRING TOMORROW-CIRRUS AND CIRROSTRATUS IN AM  
HEAVY FOG IN MORNING WITH A COLD FRONT PASSING AT 1130-AFTERNOON HAD SPRINKLES AND VIRGA WAS ALSO SEEN  
WIND TO 22 MPH DURING THE MORNING BUT DECREASING IN THE PM.  
WEAK COLD FRONT FROM THE WEST PASSED BETWEEN 1330 AND 1430

**DATE**

**EXTENSION OF LENGTHY DAILY REMARKS**

# ACON - VA/NC/SC

The Atlantic Coast Observer Network: Virginia, North Carolina, South Carolina

December 2005

## Station summary of Climatological Data

Observer: Lowell L. Koontz

Acon Station ID: Annandale -Weather Center

Observation Times: Temps Recorded 2400 Precipitation Recorded 2400

### TEMPERATURE °F

|    |                       |        |
|----|-----------------------|--------|
| A  | MEAN MAXIMUM          | 42.10  |
| B  | MEAN MINIMUM          | 27.32  |
| C  | MEAN MONTHLY          | 34.71  |
| C1 | MEAN TEMP DEP.        | -3.0   |
| D  | MAXIMUM               | 58     |
| E  | DATE(s) OF MAX.       | Dec-24 |
| F  | MINIMUM               | 14     |
| G  | DATE(s) OF MIN.       | Dec-14 |
| H  | # DAYS MAX. > = 90°   | 0      |
| I  | # MAX. < = 32°        | 2      |
| J  | MIN. < = 32°          | 25     |
| K  | MIN. < = 0°           | 0      |
| K1 | AVE RELATIVE HUMIDITY | 67.0   |

### WIND MPH

|   |                 |        |
|---|-----------------|--------|
| L | MAX. GUST       | 37     |
| M | DIRECT. OF GUST | West   |
| N | DATE            | Dec-02 |
|   | TIME            | 1825   |

### NUMBER DAYS WITH -

|    |                        |   |
|----|------------------------|---|
| O  | THUNDER                | 0 |
| P  | HAIL                   | 0 |
| Q  | GLAZE                  | 0 |
| R  | ICE PELLETS (SLEET)    | 4 |
| R1 | DENSE FOG < = 1/4 MILE | 3 |

### PRECIPITATION INCHES

|    |                     |                                     |
|----|---------------------|-------------------------------------|
| T  | MONTH TOTAL         | 3.49                                |
| U  | CALENDAR DAY MAX.   | 1.10                                |
| U1 | DATE OF MAX.        | Dec-15                              |
| V  | 24-HR. PERIOD MAX.  | 1.34                                |
| V1 | DATE(s) OF MAX. PD. | 15 <sup>TH</sup> & 16 <sup>TH</sup> |
| W  | # DAYS > = 0.01"    | 10                                  |
| X  | # DAYS > = 1.00"    | 1                                   |
| Y  | YR. TO DATE TOT.    | 46.88                               |
|    | MAX. 1 HR. PRECIP.  | 0.27                                |
|    | MAX. 5 MIN PRECIP.  | 0.06                                |

### SNOWFALL INCHES

|   |                                                |        |
|---|------------------------------------------------|--------|
| Z | DAILY MAXIMUM                                  | 2.6    |
| 1 | DATE OF MAX.                                   | Dec-05 |
| 2 | DAYS= > TRACE                                  | 6      |
| 3 | DAYS > = 1.0"                                  | 3      |
| 4 | MONTHLY TOTAL                                  | 7.4    |
| 5 | <del>2005-2006</del><br>2005-'06 SEASON'S TOT. | 8.2    |

### BAROMETER

|     |                         |         |
|-----|-------------------------|---------|
| 6   | MAXIMUM                 | 30.74   |
| 6A  | DATE                    | Dec-08  |
| 7   | MINIMUM                 | 29.35   |
| 7A  | DATE                    | Dec-29  |
| 8   | AVE. MONTHLY PRESSURE   | 30.02   |
| CWA | NWS COUNTY WARNING AREA | FAIRFAX |