| PAGE \#1 <br> 1 <br> Jan <br> 2017 | 2 <br> Week <br> Day | Jan <br> 3 | $2017$ | West Henrico Co. - Glen Allen Weather Center 37.65537${ }^{\circ}$ N. $77.5693^{\circ}$ W. - Koontz |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|  |  | TEMPERATURE ${ }^{\circ} \mathrm{F}$ |  |  |  | TEMPERATURE ${ }^{\circ} \mathrm{F}$ |  |  |  |  |  | PRECIPITATION |  |  | FROZ. PRECIP. <br> NEW <br> GROUND |  | 1st PERIOD |  |
|  |  | MAX | Time | MIN. | Time | RANGE | MEAN | CHANGE | SOIL | AM | PM | Liquid | 1 Hr . | 5 Min . |  |  | START | END |
| $\begin{gathered} \hline \text { Jan-01 } \\ \text { Jan-02 } \\ \text { Jan-03 } \\ \text { Jan-04 } \\ \text { Jan-05 } \end{gathered}$ | $\begin{aligned} & \text { Sun } \\ & \text { Mon } \\ & \text { Tue } \\ & \text { Wed } \\ & \text { Thu } \end{aligned}$ | 60.6 | 12:35 | 38.5 | 7:41 | 22.1 | 49.6 | -11.6 | 43 | 2 | 1 | T | T | T |  |  | 2110 | 2115 |
|  |  | 47.6 | 0:01 | 43.5 | 5:11 | 4.1 | 45.6 | -4.0 | 46 | 2 | 2 | 0.60 | 0.16 | 0.02 |  |  | 0001 | 1550 |
|  |  | 48.8 | 23:57 | 43.1 | 5:45 | 5.7 | 46.0 | 0.4 | 46 | 2 | 2 | 0.89 | 0.38 | 0.07 |  |  | 0035 | 0300 |
|  |  | 62.0 | 12:27 | 33.1 | 23:58 | 28.9 | 47.6 | 1.6 | 47 | 2 | 2 |  |  |  |  |  |  |  |
|  |  | 39.5 | 16:02 | 28.0 | 4:13 | 11.5 | 33.8 | -13.8 | 45 | 2 | 2 |  |  |  |  |  |  |  |
| $\begin{aligned} & \text { Jan-06 } \\ & \text { Jan-07 } \\ & \text { Jan-08 } \\ & \text { Jan-09 } \\ & \text { Jan-10 } \end{aligned}$ | Fri <br> Sat <br> Sun <br> Mon <br> Tue | 36.3 | 3:20 | 29.0 | 20:28 | 7.3 | 32.7 | -1.1 | 44 | 2 | 2 | T | T | T | T | None | 1645 | 1650 |
|  |  | 29.3 | 0:01 | 7.5 | 23:57 | 21.8 | 18.4 | -14.3 | 42 | 2 | 2 | 0.54 | 0.10 | 0.02 | 6.5 | 6.0 | 0001 | 0010 |
|  |  | 26.6 | 13:13 | 2.5 | 4:27 | 24.1 | 14.6 | -3.9 | 41 | 0 | 0 |  |  |  |  | 5.0 |  |  |
|  |  | 25.9 | 14:08 | 2.5 | 7:32 | 23.4 | 14.2 | -0.4 | 40 | 2 | 2 |  |  |  |  | 4.0 |  |  |
|  |  | 40.6 | 23:48 | 17.1 | 5:05 | 23.5 | 28.9 | 14.7 | 39 | 2 | 2 |  |  |  |  | 3.0 |  |  |
| Jan-11 <br> Jan-12 <br> Jan-13 <br> Jan-14 <br> Jan-15 | $\begin{aligned} & \hline \text { Wed } \\ & \text { Thu } \\ & \text { Fri } \\ & \text { Sat } \\ & \text { Sun } \\ & \hline \end{aligned}$ | 54.9 | 14:40 | 36.2 | 7:25 | 18.7 | 45.6 | 16.7 | 39 | 1 | 2 | 0.02 | 0.02 | 0.01 |  | T | 0035 | 0200 |
|  |  | 72.1 | 13:14 | 50.1 | 0:02 | 22.0 | 61.1 | 15.6 | 43 | 2 | 2 |  |  |  |  | None |  |  |
|  |  | 63.1 | 0:01 | 44.2 | 23:58 | 18.9 | 53.7 | -7.4 | 47 | 2 | 2 |  |  |  |  |  |  |  |
|  |  | 44.2 | 0:01 | 36.5 | 8:07 | 7.7 | 40.4 | -13.3 | 46 | 2 | 2 | 0.16 | 0.05 | 0.01 |  |  | 0045 | 0710 |
|  |  | 49.1 | 14:25 | 38.5 | 5:15 | 10.6 | 43.8 | 3.5 | 46 | 2 | 2 | T | T | T |  |  | 2035 | 2230 |
| $\begin{aligned} & \hline \text { Jan-16 } \\ & \text { Jan-17 } \\ & \text { Jan-18 } \\ & \text { Jan-19 } \\ & \text { Jan-20 } \end{aligned}$ | $\begin{aligned} & \text { Mon } \\ & \text { Tue } \\ & \text { Wed } \\ & \text { Thu } \\ & \text { Fri } \end{aligned}$ | 44.8 | 15:25 | 38.5 | 6:17 | 6.3 | 41.7 | -2.2 | 46 | 2 | 2 | 0.14 | 0.05 | 0.01 |  |  | 0001 | 0535 |
|  |  | 58.4 | 13:11 | 40.4 | 0:01 | 18.0 | 49.4 | 7.8 | 46 | 2 | 2 | 0.02 | 0.01 | 0.01 |  |  | 0900 | 1025 |
|  |  | 63.6 | 13:27 | 40.8 | 23:58 | 22.8 | 52.2 | 2.8 | 49 | 2 | 0 | 0.06 | 0.04 | 0.01 |  |  | 0001 | 0125 |
|  |  | 54.9 | 12:58 | 35.5 | 7:07 | 19.4 | 45.2 | -7.0 | 47 | 2 | 2 |  |  |  |  |  |  |  |
|  |  | 49.9 | 16:17 | 42.6 | 1:14 | 7.3 | 46.3 | 1.1 | 47 | 2 | 2 | 0.08 | 0.07 | 0.01 |  |  | 0745 | 0755 |
| $\begin{aligned} & \hline \text { Jan-21 } \\ & \text { Jan-22 } \\ & \text { Jan-23 } \\ & \text { Jan-24 } \\ & \text { Jan-25 } \\ & \hline \end{aligned}$ | Sat <br> Sun <br> Mon <br> Tue <br> Wed | 51.4 | 15:27 | 47.6 | 7:27 | 3.8 | 49.5 | 3.3 | 48 | 2 | 2 | 0.38 | 0.19 | 0.02 |  |  | 2035 | 2400 |
|  |  | 51.2 | 14:04 | 48.8 | 5:46 | 2.4 | 50.0 | 0.5 | 49 | 2 | 2 | 0.20 | 0.18 | 0.02 |  |  | 0001 | 0240 |
|  |  | 51.2 | 9:50 | 38.8 | 23:55 | 12.4 | 45.0 | -5.0 | 50 | 2 | 2 | 1.35 | 0.52 | 0.10 |  |  | 0025 | 1730 |
|  |  | 55.7 | 15:55 | 35.6 | 7:24 | 20.1 | 45.7 | 0.7 | 48 | 1 | 1 | T | T | T |  |  | 0001 | 0125 |
|  |  | 68.3 | 15:17 | 37.2 | 7:20 | 31.1 | 52.8 | 7.1 | 47 | 0 | 0 |  |  |  |  |  |  |  |
| Jan-26 Thu <br> Jan-27 Fri <br> Jan-28 Sat <br> Jan-29 Sun <br> Jan-30 Mon <br> Jan-31 Tue |  | 68.2 | 11:54 | 38.6 | 23:56 | 29.6 | 53.4 | 0.7 | 49 | 1 | 0 | T | T | T |  |  | 0409 | 0415 |
|  |  | 48.5 | 11:47 | 30.6 | 23:54 | 17.9 | 39.6 | -13.9 | 47 | 1 | 2 |  |  |  |  |  |  |  |
|  |  | 49.9 | 15:26 | 27.4 | 3:52 | 22.5 | 38.7 | -0.9 | 44 | 1 | 0 |  |  |  |  |  |  |  |
|  |  | 49.2 | 12:02 | 29.0 | 7:36 | 20.2 | 39.1 | 0.5 | 43 | 2 | 2 | 0.14 | 0.11 | 0.02 | 0.1 | None | 1541 | 1550 |
|  |  | 41.9 | 14:39 | 24.4 | 23:02 | 17.5 | 33.2 | -6.0 | 44 | 2 | 1 | 0.05 | 0.05 | 0.01 | T |  | 0001 | 0140 |
|  |  | 62.4 | 15:48 | 24.0 | 3:23 | 38.4 | 43.2 | 10.1 | 41 | 1 | 2 |  |  |  |  |  |  |  |
| TOTAL NUMBER <br> AVERAGE |  | $\begin{gathered} 1570 \\ 31 \\ 50.65 \end{gathered}$ | $\begin{gathered} 31 \\ 12: 25 \end{gathered}$ | $\begin{gathered} 1030 \\ 31 \\ 33.23 \end{gathered}$ | $\begin{gathered} 31 \\ 10: 37 \end{gathered}$ | $\begin{gathered} 540.0 \\ 31 \\ 17.42 \end{gathered}$ | $\begin{gathered} 1300.1 \\ 31 \\ 41.94 \end{gathered}$ | $\begin{gathered} -18.0 \\ 31 \end{gathered}$ | $\begin{gathered} 1399 \\ 31 \\ 45.13 \end{gathered}$ | $\begin{gathered} \hline 52 \\ 31 \\ 1.68 \end{gathered}$ | $\begin{gathered} \hline 49 \\ 31 \\ 1.58 \end{gathered}$ | $\begin{gathered} \hline 4.63 \\ 14 \end{gathered}$ <br> Ave. Tot. | $\begin{gathered} 1.93 \\ 14 \end{gathered}$ <br> Ave.Max | 0.34 <br> 14 <br> Ave.Max | 6.6 <br> 2 <br> Ave.Tot. | 18.0 <br> 4 <br> Ave.Days | $\begin{aligned} & \hline \text { Colun } \\ & \text { DAILY } \\ & 71.4 \end{aligned}$ | n 26-27 <br> AVE RH <br> Percent |
| NORMALS |  | 46.55 |  | 26.75 |  | 19.80 | 36.65 |  | 41.46 | 1.06 | 1.11 | 3.23 | 0.36 | 0.08 | 6.3 | 2.7 | 64.4 | Percent |
| DEPARTURES |  | 4.10 |  | 6.47 |  | -2.38 | 5.29 |  | 3.66 | 0.62 | 0.47 | 1.40 | 0.17 | 0.02 | 0.3 | 15.3 | 6.9 | Percent |
| Max $\geq 70^{\circ} \mathrm{F}$ <br> 1 DAYS <br> Departure <br> 0.3 | $\begin{array}{r} \text { Dates } \\ 1 \\ 2 \\ 3 \\ \hline \end{array}$ | $\begin{gathered} 72.1 \\ \text { Jan-12 } \end{gathered}$ |  | $\begin{gathered} 50.1 \\ \text { Jan-12 } \end{gathered}$ |  | $\begin{gathered} \hline 38.4 \\ \text { Jan-31 } \end{gathered}$ | $\begin{gathered} \hline 61.1 \\ \text { Jan-12 } \end{gathered}$ | $\begin{gathered} 16.7 \\ \text { Jan-11 } \end{gathered}$ | $\begin{gathered} 50.0 \\ \text { Jan-23 } \end{gathered}$ | Whole AVE. <br> Normal Depart. | $\begin{aligned} & \text { Day } \\ & 1.63 \\ & 1.08 \\ & 0.54 \\ & \hline \end{aligned}$ | $\begin{gathered} 1.35 \\ \text { Jan-23 } \end{gathered}$ | $\begin{gathered} 0.52 \\ \text { Jan-23 } \end{gathered}$ | $\begin{gathered} 0.10 \\ \text { Jan-23 } \end{gathered}$ | $\begin{gathered} 6.5 \\ \text { Jan-07 } \end{gathered}$ | $\begin{gathered} 6.0 \\ \text { Jan-07 } \end{gathered}$ | Precip <br> Amount <br> Date <br> Date | $\begin{gathered} 24 \mathrm{Hr} . \\ 1.36 \\ \text { Jan } 22 \\ \text { Jan } 23 \\ \hline \end{gathered}$ |
| MINIMUM <br> $\mathbf{M I N}>32^{\circ} \mathrm{F}$ <br> 18 <br> DAYS <br> Departure | Dates <br> 1 <br> 2 <br> 3 | 25.9 <br> Jan-09 |  | $\begin{gathered} \hline 2.5 \\ \text { Jan-08 } \end{gathered}$ |  | $\begin{gathered} \hline 2.4 \\ \text { Jan-22 } \end{gathered}$ | $\begin{gathered} \hline 14.2 \\ \text { Jan-09 } \end{gathered}$ | $\begin{gathered} \hline-14.3 \\ \text { Jan-07 } \end{gathered}$ | $\begin{gathered} \hline 39.0 \\ \text { Jan-10 } \end{gathered}$ | SKY | AM | PM | $\begin{gathered} \geq 0.10 \\ 9 \end{gathered}$ | INCHES <br> DAYS | $\begin{gathered} \geq 1.00 \\ 1 \end{gathered}$ | INCHES <br> DAYS | $\begin{gathered} \geq 2.00 \\ 0 \end{gathered}$ | INCHES <br> DAYS |
|  |  |  |  | Jan-09 |  |  |  |  |  | $\begin{gathered} \text { PT. CLO. } \\ \text { CLO. } \\ \hline \end{gathered}$ | $\begin{gathered} 6 \\ 23 \\ \hline \end{gathered}$ | $\begin{gathered} 3 \\ 23 \end{gathered}$ | $\begin{gathered} \hline \text { HOTTEST } \\ \text { DAY } \\ \hline \end{gathered}$ | 61.1 Jan-12 | Highest Mean | Lowest Mean | $\begin{gathered} \hline \text { COOLEST } \\ \text { DAY } \\ \hline \end{gathered}$ | $\begin{gathered} 14.2 \\ \text { Jan-09 } \\ \hline \end{gathered}$ |
|  | $\begin{array}{\|l\|} \hline \leq 32^{\circ} \mathrm{F} \\ \geq 90^{\circ} \mathrm{F} \\ \hline \end{array}$ | 3 | $\leq 32^{\circ} \mathrm{F}$ | 11 | MAX. DAYS | $\geq 80$ | $\geq 75$ | $\geq 70$ | $\geq 65$ | $\geq 60$ | $\geq 55$ | $\geq 50$ | $\geq 45$ | $\geq 40$ | $\geq 35$ | $\geq 30$ | $\geq 25$ | $\geq 20$ |
| 9.8 |  | 0 | $\geq 70^{\circ} \mathrm{F}$ | 0 |  | 0 | 0 | 1 | 3 | 8 | 10 | 17 | 23 | 27 | 28 | 28 | 31 | 31 |


| $\begin{array}{\|r} \text { PAGE \#2 } \\ 20 \end{array}$ | Jan <br> 21 | $\begin{gathered} 2017 \\ 22 \end{gathered}$ | West Henrico Co. - Glen Allen Weather Center 37.65537${ }^{\circ}$ N. $77.5693^{\circ}$ W. - Koontz |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 |
| $\begin{gathered} \text { Jan } \\ 2017 \end{gathered}$ | 2nd PERIOD |  | WIND |  |  | REL. HUMIDITY |  | BAROMETRIC PRESSURE |  |  |  | GLAZE | SLEET | SNOW | FOG | $1<$ | DEW | FROST |
|  | START | END | RUN | MAX. | TIME | MAX. | MIN. | MAX. | MIN. | AVE. | Change |  |  |  |  |  |  |  |
| $\begin{aligned} & \hline \text { Jan-01 } \\ & \text { Jan-02 } \\ & \text { Jan-03 } \\ & \text { Jan-04 } \\ & \text { Jan-05 } \end{aligned}$ | 2150 | 2210 | 54.9 | 17 | 3:26 | 70 | 40 | 30.36 | 30.04 | 30.20 | 0.11 |  |  |  |  |  | N |  |
|  | 2040 | 2310 | 73.7 | 16 | 16:06 | 99 | 65 | 30.35 | 30.16 | 30.26 | 0.06 |  |  |  |  |  | P |  |
|  | 0420 | 1420 | 48.4 | 15 | 18:20 | 100 | 95 | 30.16 | 29.59 | 29.88 | -0.38 |  |  |  |  |  | P |  |
|  |  |  | 68.4 | 20 | 15:00 | 99 | 30 | 29.93 | 29.57 | 29.75 | -0.13 |  |  |  |  |  | P |  |
|  |  |  | 16.8 | 10 | 16:44 | 65 | 35 | 30.07 | 29.92 | 30.00 | 0.25 |  |  |  |  |  |  | N |
| $\begin{aligned} & \hline \text { Jan-06 } \\ & \text { Jan-07 } \\ & \text { Jan-08 } \\ & \text { Jan-09 } \\ & \text { Jan-10 } \end{aligned}$ | 1700 | 1705 | 74.9 | 20 | 6:28 | 75 | 54 | 30.29 | 29.88 | 30.09 | 0.09 |  |  | 1 |  |  | N |  |
|  | 0035 | 1510 | 97.5 | 22 | 3:34 | 91 | 59 | 30.39 | 30.20 | 30.30 | 0.21 |  |  | 5 |  |  |  | P |
|  |  |  | 30.4 | 19 | 14:30 | 87 | 35 | 30.79 | 30.38 | 30.59 | 0.29 |  |  |  |  |  |  | 5 |
|  |  |  | 22.4 | 14 | 13:03 | 87 | 40 | 30.85 | 30.66 | 30.76 | 0.17 |  |  |  |  |  |  | 4 |
|  |  |  | 43.8 | 20 | 23:07 | 72 | 34 | 30.67 | 30.29 | 30.48 | -0.28 |  |  |  |  |  |  | N |
| $\begin{aligned} & \hline \text { Jan-11 } \\ & \text { Jan-12 } \\ & \text { Jan-13 } \\ & \text { Jan-14 } \\ & \text { Jan-15 } \\ & \hline \end{aligned}$ |  |  | 78.2 | 23 | 0:16 | 95 | 63 | 30.40 | 30.27 | 30.34 | -0.15 |  |  |  |  |  | P |  |
|  |  |  | 194.8 | 33 | 14:21 | 99 | 49 | 30.27 | 30.16 | 30.22 | -0.12 |  |  |  |  |  | 1 |  |
|  |  |  | 80.0 | 20 | 0:49 | 90 | 56 | 30.67 | 30.23 | 30.45 | 0.24 |  |  |  |  |  | 2 |  |
|  | 1700 | 2100 | 26.9 | 15 | 1:32 | 93 | 53 | 30.67 | 30.30 | 30.49 | 0.03 |  |  |  |  |  | P |  |
|  | 2330 | 2400 | 40.6 | 16 | 10:37 | 98 | 56 | 30.44 | 30.29 | 30.37 | -0.12 |  |  |  |  |  | P |  |
| $\begin{aligned} & \hline \text { Jan-16 } \\ & \text { Jan-17 } \\ & \text { Jan-18 } \\ & \text { Jan-19 } \\ & \text { Jan-20 } \end{aligned}$ | 1150 | 1255 | 15.9 | 10 | 12:14 | 95 | 66 | 30.51 | 30.31 | 30.41 | 0.04 |  |  |  |  |  | P |  |
|  | 1315 | 1425 | 95.7 | 23 | 13:34 | 96 | 80 | 30.31 | 29.95 | 30.13 | -0.28 |  |  |  |  |  | 2 |  |
|  | 1105 | 1125 | 56.1 | 21 | 13:27 | 99 | 39 | 30.10 | 29.86 | 29.98 | -0.15 |  |  |  |  |  | P |  |
|  |  |  | 14.0 | 11 | 13:25 | 95 | 56 | 30.16 | 30.01 | 30.09 | 0.11 |  |  |  |  |  | 4 | 1 |
|  | 1015 | 1155 | 17.3 | 7 | 5:39 | 98 | 84 | 30.02 | 29.87 | 29.95 | -0.14 |  |  |  |  |  | N |  |
| Jan-21 <br> Jan-22 <br> Jan-23 <br> Jan-24 <br> Jan-25 |  |  | 20.7 | 10 | 23:35 | 100 | 95 | 29.94 | 29.71 | 29.83 | -0.12 |  |  |  | 3 |  | 4 |  |
|  | 0410 | 0420 | 59.2 | 16 | 16:50 | 100 | 97 | 29.73 | 29.55 | 29.64 | -0.19 |  |  |  | 3 |  | P |  |
|  | 1915 | 2320 | 179.2 | 30 | 6:52 | 100 | 95 | 29.57 | 29.29 | 29.43 | -0.21 |  |  |  | 1 | 1 | P |  |
|  |  |  | 83.2 | 20 | 1:15 | 98 | 56 | 29.74 | 29.45 | 29.60 | 0.16 |  |  |  |  |  | 3 |  |
|  |  |  | 70.2 | 24 | 23:10 | 93 | 27 | 29.84 | 29.60 | 29.72 | 0.13 |  |  |  |  |  | 4 |  |
| $\begin{gathered} \text { Jan-26 } \\ \text { Jan-27 } \\ \text { Jan-28 } \\ \text { Jan-29 } \\ \text { Jan-30 } \\ \text { Jan-31 } \end{gathered}$ |  |  | 133.1 | 30 | 14:13 | 65 | 25 | 29.87 | 29.51 | 29.69 | -0.03 |  |  |  |  |  | N |  |
|  |  |  | 68.9 | 23 | 15:54 | 79 | 34 | 29.90 | 29.81 | 29.86 | 0.16 |  |  |  |  |  | 1 |  |
|  |  |  | 82.0 | 21 | 11:42 | 68 | 32 | 29.90 | 29.77 | 29.84 | -0.02 |  |  |  |  |  |  | N |
|  | 2050 | 2400 | 46.3 | 15 | 13:39 | 92 | 38 | 29.86 | 29.74 | 29.80 | -0.04 |  |  | 1 |  |  |  | N |
|  |  |  | 50.0 | 20 | 4:00 | 96 | 31 | 30.10 | 29.75 | 29.93 | 0.13 |  |  | 1 |  |  |  | P |
|  |  |  | 67.3 | 25 | 10:34 | 80 | 31 | 30.07 | 29.74 | 29.91 | -0.02 |  |  |  |  |  |  | N |
| TOTAL |  |  | 2010.8 | 586 |  | 2774 | 1650 | 935.93 | 927.86 | 931.90 | COUNT | 0 | 0 | 4 | 3 | 1 | 8 | 3 |
| NUMBER AVERAGE | Mar. Wind Run |  | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | NORMAL | 1.4 | 1.4 | 4.4 | 3.6 | 0.5 | 2.9 | 11.5 |
|  | Total 2010.8 |  | 64.86 | 18.90 |  | 89.48 | 53.23 | 30.19 | 29.93 | 30.06 | DEPART. | -1.4 | -1.4 | -0.4 | -0.6 | 0.5 | 5.1 | -8.5 |
| NORMALS | Miles <br> Miles | 1760.3 | 56.79 | 18.94 |  | 84.63 | 43.54 | 30.21 | 29.93 | 30.07 | Total | 0 | 0 | 8 | 7 | 1 | 21 | 10 |
| DEPARTURES |  | 250.5 | 8.08 | -0.04 |  | 4.86 | 9.69 | -0.02 | 0.00 | -0.01 | Days of | $\stackrel{\underset{\sim}{N}}{\stackrel{N}{N}}$ | $\begin{aligned} & \text { 上 } \\ & \text { ๗ } \end{aligned}$ | $\begin{aligned} & 3 \\ & 20 \\ & 0 \end{aligned}$ | サ | $1$ | $3$ |  |
| MAXIMUM DATES |  | Dates <br> 1 <br> 2 <br> 3 <br> 4 | $\begin{gathered} 194.8 \\ \text { Jan-12 } \end{gathered}$ | $\begin{gathered} 33 \\ \text { Jan-12 } \end{gathered}$ | $\begin{gathered} \text { SW } \\ \text { 14:21 } \end{gathered}$ | $100$ <br> Jan-03 <br> Jan-21 <br> Jan-22 <br> Jan-23 | $\begin{gathered} 97 \\ \text { Jan-22 } \end{gathered}$ | $\begin{aligned} & 30.85 \\ & \text { Jan-09 } \end{aligned}$ | $\begin{aligned} & 30.66 \\ & \text { Jan-09 } \end{aligned}$ | $30.76$ <br> Jan-09 | $\begin{gathered} 0.29 \\ \text { Jan-08 } \end{gathered}$ |  |  |  |  |  |  | 은 |
|  |  | 5. Very Heavy <br> 4. Heavy-Unusual <br> 3. Moderate - Ave. |  |  |  |  |  |  |  |  |  | N- None No Dew Obs. <br> P- Precip. prevent obs. |  |  |  |  |  |  |
| MINIMUM DATES |  |  | Dates <br> 1 <br> 2 | $\begin{gathered} \hline 14.0 \\ \text { Jan-19 } \end{gathered}$ |  |  | $\begin{gathered} \hline 65 \\ \text { Jan-05 } \\ \text { Jan-26 } \end{gathered}$ | $\begin{gathered} 25 \\ \text { Jan-26 } \end{gathered}$ | $\begin{aligned} & \hline 29.57 \\ & \text { Jan-23 } \end{aligned}$ | $\begin{aligned} & 29.29 \\ & \text { Jan-23 } \end{aligned}$ | $\begin{gathered} \hline 29.43 \\ \text { Jan-23 } \end{gathered}$ | $\begin{gathered} \hline-0.38 \\ \text { Jan-03 } \end{gathered}$ | 2. Light - >= Ave. <br> 1. Very Light - Slight - Trace M - Event with intensity missing |  |  |  |  |  |  |
|  | MIN. | $\leq 75$ | $\leq 70$ | $\leq 65$ | $\leq 60$ | $\leq 55$ | $\leq 50$ | $\leq 45$ | $\leq 40$ | $\leq 35$ | $\leq 30$ | $\leq 25$ | $\leq 20$ | $\leq 15$ | $\leq 10$ | $\leq 5$ | $\leq 0$ | $\leq-5$ |
|  |  |  | 31 | 31 | 31 | 31 | 31 | 28 | 23 | 13 | 10 | 6 | 4 | 3 | 3 | 2 |  |  |

ALL DAY LIGHT RAIN WITH SOME DRIZZLE IN EVENING AND INTO THE NIGHT
MORNING RAIN AND DAMP THEN CLOUDY ALL DAY-COOL AIR POOLING EAST OF MOUNTAINS
ALL SURFACES STILL WET FROM YESTERDAY'S RAIN SO COULDN'T DETERMINE DEW AMT.-CLOUD TYPES TODAY-STRATOCUMULUS AND ALTOCUMULUS
AM REL. HUMIDITY 65\% AND BREEZY THUS NO FROST-SNOW ALOFT BUT EVAPORATING BEFORE MAKING IT TO THE GROUND
AM RH 73\% AND BREEZY - NO DEW-ALTOSTRATUS MOST OF DAY-SNOW TONIGHT-3RD PD. OF SNOW 1810-1825 AND 4TH PD. 2355-2400
ABOUT 15 HRS. OF SNOW WITH A LITTLE DRIFTING BEFORE SUNRISE-VERY COLD SNOW DAY-SNOW TO WATER RATIO 11.7 TO 1
2ND COLDEST ON RECORD AND COLDEST SINCE FEB. 20, 2015 WHEN IT WAS -1. $2^{\circ} \mathrm{F}$ WHICH STILL STANDS AS REC. LOW TEMP. AT GLEN ALLEN STATION
TIED AGAIN FOR 2ND COLDEST ON REC.-AIRPORT REPORTED $0^{\circ} \mathrm{F}$-CLOUDY ALL DAY UNTIL 1545 THEN CLEAR TO SUNSET
CLOUDY ALL DAY BUT MUCH WARMER-AM NEIGHBORHOOD STREETS HAVE PACKED SNOW THAT HAS TURNED TO ICE
CLEAR TO 0830 THEN CIRRUS WITH SUN PASSING THROUGH CLOUDS UNTIL 1030 THEN THICK CIRROSTRATUS THEN ALTOSTRATUS AND PM VERY CLOUDY
 HIGHEST WIND RUN SINCE OCT. 9, 2016 WHEN IT WAS 206.8 MILES-CLOUDY ALL DAY EXCEPT FOR A LITTLE SUN
COLD RAIN AT NIGHT AND CLOUDY ALL DAY AND CHILLY
CLOUDY TO NOON THEN BROKEN OVERCAST TO 1500 THEN CLOUDY AGAIN
CLOUDY ALL DAY - DAMP AND CHILLY WITH LIGHT RAIN LAST NIGHT AND SPRINKLES DURING DAY
DEW AT MAX. AROUND 0400 BUT A BREEZE EVAPORATED SOME OF DEW BY SUNRISE-DECK STILL WET FROM YESTERDAY'S PRECIP.
STARTED TO CLEAR AT 1140 AND CLEAR BY 1330-FIRST CLEAR AFTERNOON SINCE JAN. 8
CLOUDY WITH CIRRUS AND CIRROSTRATUS BUT A LITTLE SUN THROUGH CLOUDS
3RD PD. OF PRECIP. 1230-1320, 4TH PD. 1530-1538 - CLOUDY DAMP DAY
CONDENSATION RUNNING DOWN SKY MIRROR-FOG AND DRIZZLE MIST VERY DAMP DAY
CLOUDY DAMP MIST AND DRIZZLE ON AND OFF DURING DAY AND GLOOMY-FOG TO 1245-3RD PD. DRIZZLE 0655-0750, 4TH PD. HEAVY DRIZZLE 2310-2345
LOWEST BAROMETER SINCE MARCH 12, 2014 WHEN IT WAS 29.13 INCHES-THUNDER AT 0841, 0843, 0845, 0847,0849
DEW DETERMINED BY SKY MIRROR-VARIABLE SKY-CLEAR 0800-1030 THEN CLOUDY 1045-1430 THEN CLEAR AGAIN 1500 TO SUNSET
PRETTIEST DAY OF JAN. YET-NO CLOUDS-LOW REL. HUMIDITY AND WARM FOR JAN.
VERY SLIGHT SPRINKLE AT 0400 ONLY READ 3 ON MOISTURE SENSOR-CLEARING STARTED AT 0930-AM EST. 65\% CLOUDY-PM VERY CLEAR AFTER 1215 AND NO CLOUDS AFTER 1500 FROZEN DEW ON DECK BUT LIGHT-MOSTLY CLEAR TO 1030 THEN CLOUDY TO PC REST OF DAY
DRY AIR AND BREEZY CONDITIONS GAVE NO FROST
AM REL. HUMIDITY MAX. $71 \%$ AND LOW DEW POINT OF $21.3^{\circ} \mathrm{F}$ GAVE NO FROST AGAIN-VIRGA SEEN DURING AFTERNOON
HEAVY AM CLOUDS-MOSTLY STRATOCUMULUS INTO PM TO 1600-CLEAREST PD. OF DAY WAS 1530 TO SUNSET
COLD START TO DAY BUT A GOOD WARMUP-JAN. WAS NOT ONLY THE CLOUDIEST JANUARY ON RECORD BUT THE CLOUDIEST MONTH EVER REC. AT GLEN ALLEN STATION-PREVIOUS REC.
EXTENSION OF LENGTHY DAILY REMARKS
Jan-31
DATE
Jan-12 $\quad$ MOST OF DAY BUT SUN THROUGH CIRRUS FROM 1030-1530 BUT THEN THICKER ALTOSTRATUS BEGAN THICK CIRROSTRATUS LATE
Jan-31 WAS 1.48 WHICH OCCURRED IN MAY 2016.
Records continued from page 4

The daily precipitation on the 29th was 0.14 inches, a new 8 -year HIGH daily precipitation record for the date - the old record was 0.08 inches in 2014 .

The daily temperature range on the 31 st was $38.4^{\circ} \mathrm{F}$, a new 8 -year HIGH daily temperature range record for the date - the old record was $38^{\circ} \mathrm{F}$ in 2013 .

The link below explains how observations are taken at the Glen Allen Weather Station - Note the Numbers match the column numbers on the Observation Sheet www.glenallenweather.com/upload/glenallenclimate/log/2017/2017 Obs Rules.pdf

41

2017
2
The minimum temperature on the 2nd was $43.5^{\circ} \mathrm{F}$, a new 8 -year warm daily minimum temperature record for the date - the old record was $37.8^{\circ} \mathrm{F}$ in 2015. The daily temperature range on the 2nd was $4.1^{\circ} \mathrm{F}$, a new 8 -year LOW daily temperature range record for the date - the old record was $11^{\circ} \mathrm{F}$ in 2010 . The daily precipitation on the 2nd was 0.60 inches, a new 8-year HIGH daily precipitation record for the date - the old record was 0.36 inches in 2014 . The daily temperature range on the 3rd was $5.7^{\circ} \mathrm{F}$, a new 8 -year LoW daily temperature range record for the date - the old record was $6.7^{\circ} \mathrm{F}$ in 2015 . The daily precipitation on the 3rd was 0.89 inches, a new 8-year HIGH daily precipitation record for the date- the old record was 0.07 inches in 2015 . The daily temperature range on the 4th was $28.9^{\circ} \mathrm{F}$, a new 8 -year HIGH daily temperature range record for the date - the old record was $26^{\circ} \mathrm{F}$ in 2015 and 2014.
4
5
6
The maximum temperature on the 6th was $36.3^{\circ} \mathrm{F}$, a new 8-year cold daily maximum temperature record for the date - the old record was $41.6^{\circ} \mathrm{F}$ in 2015 . The daily temperature range on the 6th was $3.3^{\circ} \mathrm{F}$, a new 8-year LOW daily temperature range record for the date - the old record was $8^{\circ} \mathrm{F}$ in 2009. The daily greatest snow on the 6th was a trace and is a new 8-year daily greatest snow record for the date - the old record was 0 inches.
$7 \quad$ The daily precipitation on the 7th was 0.54 inches, a new 8-year HIGH daily precipitation record for the date - the old record was 0.51 inches in 2009. The daily greatest snow on the 7th was 6.5 inches, a new 8-year daily greatest snow record for the date - the old record was 0.5 inches in 2011.
8
The minimum temperature on the 8 th was $2.5^{\circ} \mathrm{F}$, a new 8 year LOW daily minimum temperature record for the date - the old record was $6.9^{\circ} \mathrm{F}$ in 2015 .

9
The minimum temperature on the 9th was $2.5^{\circ} \mathrm{F}$, a new 8 -year LOW daily minimum temperature record for the date - the old record was $16{ }^{\circ} \mathrm{F}$ in 2010 .
The maximum temperature on the 9th was $25.9^{\circ} \mathrm{F}$, a new 8 -year cold daily maximum temperature record for the date - the old record was $38^{\circ}$ F in 2011 and 2010.
Comment- The Airport had a $0^{\circ}$ F reading the lowest minimum temperature for the 9th of January in 136 years; the previous record was +1 set in 1940. Comment- It was also the lowest temperature recorded at the Richmond International Airport since January 28,2000 when the low was $-\mathbf{1}^{\circ} \mathrm{F}$.

The minimum temperature on the 12th was $50.1^{\circ} \mathrm{F}$, a new 8-year warm daily minimum temperature record for the date - the old record was $45^{\circ} \mathrm{F}$ in 2013 and 2012. The maximum temperature on the 12 th was $72.1^{\circ} \mathrm{F}$, a new 8 -year daily HIGH maximum temperature record for the date - the old record was $64^{\circ} \mathrm{F}$ in 2012 .

The minimum temperature on the 16 th was $38.5^{\circ}$ F, a new 8-year warm daily minimum temperature record for the date - the old record was $36.7^{\circ} \mathrm{F}$ in 2016 . The daily temperature range on the 16 th was $6.3^{\circ} \mathrm{F}$, a new 8 -year LOW daily temperature range record for the date - the old record was $8^{\circ} \mathrm{F}$ in 2013 .

The minimum temperature on the 18th was $52.9^{\circ} \mathrm{F}$, a new 8-year warm daily minimum temperature record for the date - the old record was $35.6^{\circ} \mathrm{F}$ in 2015 . The maximum temperature on the 18th was $63.6^{\circ} \mathrm{F}$, a new 8-year daily HIGH maximum temperature record for the date - the old record was $60^{\circ} \mathrm{F}$ in 2012 and 2010.
19
20

21

22

The maximum temperature on the 22 nd was $51.2^{\circ} \mathrm{F}$, a new 8 -year daily HIGH maximum temperature record for the date - the old record was $51^{\circ} \mathrm{F}$ in 2009.
The daily temperature range on the 22 nd was $2.4^{\circ} \mathrm{F}$, a new 8 -year LOW daily temperature range record for the date - the old record was $3^{\circ} \mathrm{F}$ in 2012 and 2010.1
The minimum temperature on the 23 rd was $49.4^{\circ} \mathrm{F}$, a new 8 -year warm daily minimum temperature record for the date - the old record was $32^{\circ} \mathrm{F}$ in 2012.
The daily precipitation on the 23rd was 1.35 inches, and EQUALED the, 8-year HIGH daily precipitation record for the date - the old record was set in 2016.
The minimum temperature on the 20th was $42.6^{\circ} \mathrm{F}$, a new 8-year warm daily minimum temperature record for the date - the old record was $37^{\circ} \mathrm{F}$ in 2014. The daily temperature range on the 20 th was $7.3^{\circ} \mathrm{F}$, a new 8 -year LOW daily temperature range record for the date - the old record was $10^{\circ} \mathrm{F}$ in 2010 .
The minimum temperature on the 21 st was $47.6^{\circ} \mathrm{F}$, a new 8-year warm daily minimum temperature record for the date - the old record was $36^{\circ} \mathrm{F}$ in 2010 . The daily temperature range on the 21 st was $3.8^{\circ}$ F, a new 8-year LOW daily temperature range record for the date - the old record was $5^{\circ}$ F in 2012 and 2010.1 The maximum temperature on the 25th was $68.3^{\circ} \mathrm{F}$, a new 8-year daily HIGH maximum temperature record for the date - the old record was $65^{\circ} \mathrm{F}$ in 2010 . The maximum temperature on the 26th was $68.2^{\circ} \mathrm{F}$, a new 8-year daily HIGH maximum temperature record for the date - the old record was $67^{\circ} \mathrm{F}$ in 2012. The daily temperature range on the 26 th was $29.6^{\circ} \mathrm{F}$, a new 8 -year HIGH daily temperature range record for the date - the old record was $27^{\circ} \mathrm{F}$ in 2012 .

