

ACON - VA/NC/SC

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

STATION SUMMARY OF CLIMATOLOGICAL DATA - MAY 2022

OBSERVER: Glen Martin ACON STATION ID: Mechanicsville, VA.
 (COLUMN S) OBSERVATION TIMES: TEMPS RECORDED AT 1700h PRECIP RECORDED AT 1700h.

| DENOTATION: | (DATA) | DENOTATION: | (DATA) |
|---------------------------------------|------------------|---|-------------------------------------|
| A - AVERAGE MAXIMUM TEMPERATURE | 80.20 | T - TOTAL PRECIPITATION | 4.21 |
| B - AVERAGE MINIMUM TEMPERATURE | 59.93 | T1 - PRECIPITATION DEPARTURE | — |
| C - AVERAGE TEMPERATURE | 69.75 | U - MAXIMUM CALENDAR DAY PRECIPITATION | 1.36 |
| C1 - DEPARTURE OF AVERAGE TEMP | — | U1 DATE MAX CALENDAR DAY PRECIPITATION | 7/5 |
| D - MAXIMUM TEMPERATURE | 99 | V - MAXIMUM 24-HOUR PRECIPITATION | 1.51 |
| E - DATE(S) OF MAXIMUM TEMPERATURE | 20 th | V1 - DATE(S) MAX 24-HOUR PRECIPITATION | 7 th , 8 th |
| F - MINIMUM TEMPERATURE | 41 | W - # DAYS PRECIPITATION >= .01" | 11 |
| G - DATE(*9s) OF MINIMUM TEMPERATURE | 9 th | X - # DAYS PRECIPITATION >= 1.00" | 2 |
| H - # DAYS MAXIMUM TEMPERATURE >= 90° | 5 | Y - YEARLY PRECIPITATION | 14.79 |
| I - # DAYS MAXIMUM TEMPERATURE <= 32° | 0 | Z - MAXIMUM CALENDAR DAY SNOWFALL | 0 |
| J - # DAYS MINIMUM TEMPERATURE <= 32° | 0 | 1 DATE MAXIMUM CALENDAR DAY SNOWFALL | 0 |
| K - # DAYS MINIMUM TEMPERATURE <= 0° | 0 | 2 - # DAYS WITH SNOWFALL (>= TRACE) | 0 |
| K1 - AVERAGE RELATIVE HUMIDITY (%) | 54.58% | 3 - # DAYS WITH SNOWFALL >= 1.00" | 0 |
| L - MAXIMUM WIND GUST (MPH) | 12 MPH | 4 - TOTAL MONTHLY SNOWFALL | 0 |
| M - DIRECTION MAXIMUM WIND GUST | — | 5 - TOTAL SNOWFALL FOR 2021-2022 | — |
| N - DATE(S) OF MAXIMUM WIND GUST | 20 th | 6 - MAXIMUM BAROMETRIC PRESSURE | 30.15 |
| N1 - AVERAGE WIND SPEED (MPH) | 5.44 MPH | 6A - DATE MAXIMUM BAROMETRIC PRESSURE | 10 th , 20 th |
| N2 - DOMINANT WIND DIRECTION | — | 7 - MINIMUM BAROMETRIC PRESSURE | 29.55 |
| O - # DAYS - THUNDERSTORM | 2 | 7A - DATE MINIMUM BAROMETRIC PRESSURE | 16 th |
| P - # DAYS - HAIL | 0 | 8 - AVERAGE SEA-LEVEL PRESSURE | 29.82 |
| Q - # DAYS - GLAZE | 0 | CWA - YOUR NWS COUNTY WARNING AREA | AKQ |
| R - # DAYS - ICE PELLETS (SLEET) | 0 | | |
| R1 - # DAYS - DENSE FOG (<= 1/4 MILE) | 0 | | |

WEATHER OBSERVATION DATA

OBSERVER Glen Martin LOCATION McDonoughville, VA.
 OBSERVATION TIME 1700hr MONTH/YEAR May/2022

| date | MAX TEMP. | MIN TEMP. | AVG TEMP. | TOTAL PRECIP. | SNOW FALL | SNOW DEPTH | T-ST | HA | TOR | HUR | SN | SLT | FOG | SW | SL | FL | WD | HDP | DRIZ | RAIN | TROPST | |
|------|-----------|-----------|-----------|---------------|-----------|------------|------|----|-----|-----|----|-----|-----|----|----|----|----|-----|------|------|--------|--|
| 1 | 81 | 50 | 66 | T | | | | | | | | | | | | | | | | | | |
| 2 | 86 | 58 | 72 | .11 | | | | | | | | | | | | | | | | | | |
| 3 | 68 | 58 | 63 | 0 | | | | | | | | | | | | | | | | | X | |
| 4 | 89 | 59 | 74 | T | | | | | | | | | | | | | | | | | | |
| 5 | 71 | 58 | 65 | 0 | | | | | | | | | | | | | | | | | | |
| 6 | 73 | 55 | 64 | 0 | | | | | | | | | | | | | | | | | | |
| 7 | 67 | 55 | 60 | 1.36 | | | | | | | | | | | | | | | | | X | |
| 8 | 52 | 45 | 49 | .75 | | | | | | | | | | | | | | X | | | X | |
| 9 | 69 | 47 | 58 | 0 | | | | | | | | | | | | | | | | | X | |
| 10 | 73 | 47 | 60 | 0 | | | | | | | | | | | | | | | | | X | |
| 11 | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 75 | 60 | 68 | .75 | | | | | | | | | | | | | | | | | X | |
| 15 | 77 | 64 | 71 | .67 | | | | | | | | | | | | | | | | | X | |
| 16 | 80 | 61 | 71 | 0 | | | | | | | | | | | | | | | | | X | |
| 17 | 86 | 65 | 76 | .75 | | | X | | | | | | | | | | | | | | X | |
| 18 | 87 | 54 | 71 | 0 | | | | | | | | | | | | | | | | | X | |
| 19 | 84 | 56 | 70 | 0 | | | | | | | | | | | | | | | | | | |
| 20 | 70 | 63 | 67 | .02 | | | | | | | | | | | | | | | | | | |
| 21 | 99 | 66 | 83 | 0 | | | | | | | | | | | | | | | | | | |
| 22 | 96 | 71 | 84 | 0 | | | | | | | | | | | | | | | | | X | |
| 23 | 94 | 69 | 82 | .01 | | | | | | | | | | | | | | | | | | |
| 24 | 75 | 68 | 71 | 0 | | | | | | | | | | | | | | | | | | |
| 25 | 65 | 58 | 61 | 1.29 | | | | | | | | | | | | | | | | | | |
| 26 | 66 | 55 | 61 | .08 | | | | | | | | | | | | | | | | | X | |
| 27 | 70 | 59 | 65 | T | | | | | | | | | | | | | | | | | X | |
| 28 | 81 | 66 | 74 | .66 | | | | | | | | | | | | | | | | | X | |
| 29 | 84 | 62 | 73 | .16 | | | X | | | | | | | | | | | | | | X | |
| 30 | 88 | 58 | 73 | 0 | | | | | | | | | | | | | | | | | X | |
| 31 | 94 | 62 | 78 | 0 | | | | | | | | | | | | | | | | | | |
| 31 | 97 | 67 | 83 | 0 | | | | | | | | | | | | | | | | | | |

HIGHEST TEMP AND DATE 99/20th AVG. MO. HIGH 80.20
 LOWEST TEMP AND DATE 41/9th AVG. MO. LOW 59.93
 MONTHLY MEAN TEMP 69.75 GREATEST 24 HR PRECIP./DATE 1.51/23rd MO. TOTAL PRECIP. 4.21
 NUMBER OF T-ST DAYS 2 GREATEST 24 HR SNOWFALL/DATE 0 MO. TOTAL SNOWFALL 0

t-st = thunderstorm slt = sleet hdp = heavy down pour hur = hurricane sn = snow sl = sharp lightning
 ha = hail tor = tornado sw = strong winds fl = flooding wd = wind damage driz = drizzle

Part a

WEATHER OBSERVATION DATA

OBSERVER Clay Martin LOCATION Mech VA
 OBSERVATION TIME 1700h MONTH/YEAR May 2020

Additional Observations Sheet

| date | observations | date | observations |
|------|--|------|---|
| 1 | SHOWER AROUND 1935 hr. | 17 | |
| 2 | PRECIP FROM EVENING OF THE 19 th | 18 | |
| 3 | | 19 | Best shower during the night. |
| 4 | TRACE OF RAIN AROUND 1823 hr. | 20 | |
| 5 | | 21 | |
| 6 | T-STORM AT 1815 hr HEAVY DOWNPOUR & AT 1915 hr | 22 | SHOWER OVERNIGHT |
| 7 | PRECIP FROM T-STORMS AT 1815 & 1915 hr & SOME LIGHT RAIN AND DRIZZLE ON THE 22 nd | 23 | |
| 8 | LIGHT RAIN & DRIZZLE. | 24 | MODERATE RAIN AND SOME DRIZZLE |
| 9 | | 25 | PERIODS OF LIGHT RAIN & DRIZZLE |
| 10 | | 26 | T-STORM AT 1140 hr, HEAVY DOWNPOUR AND STRONG STORMY LINE BEHIND. |
| 11 | SOME RAIN & DRIZZLE | 27 | |
| 12 | " " " | 28 | SHOWER OVER NIGHT |
| 13 | " " " | 29 | |
| 14 | SHOWER DURING THE MORNING | 30 | |
| 15 | T-STORM IN AREA 2100 hr. | 31 | |
| 16 | PRECIP FROM T-STORMS ON THE EVENING OF THE 15 th & 15 th | | |

Part b