

ACON - VA/NC/SC

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

STATION SUMMARY OF CLIMATOLOGICAL DATA - JUNE 2020

OBSERVER: GLEN MANTIN ACON STATION ID: Mech, VA
 (COLUMN 5) OBSERVATION TIMES: TEMPS RECORDED AT 1700 PRECIP RECORDED AT 1700

| DENOTATION: | (DATA) | DENOTATION: | (DATA) |
|--|-----------------|--|------------------|
| A - AVERAGE MAXIMUM TEMPERATURE | 83 | T - TOTAL PRECIPITATION | 5.88 |
| B - AVERAGE MINIMUM TEMPERATURE | 67 | T1 - PRECIPITATION DEPARTURE | — |
| C - AVERAGE TEMPERATURE | 76 | U - MAXIMUM CALENDAR DAY PRECIPITATION | 1.97 |
| C1 - DEPARTURE OF AVERAGE TEMP | — | U1 DATE MAX CALENDAR DAY PRECIPITATION | 12 th |
| D - MAXIMUM TEMPERATURE | 97 | V - MAXIMUM 24-HOUR PRECIPITATION | 1.97 |
| E - DATE(S) OF MAXIMUM TEMPERATURE | 4 th | V1 - DATE(S) MAX 24-HOUR PRECIPITATION | 12 th |
| F - MINIMUM TEMPERATURE | 52 | W - # DAYS PRECIPITATION $\geq .01"$ | 12 |
| G - DATE(*9S) OF MINIMUM TEMPERATURE | 1 st | X - # DAYS PRECIPITATION $\geq 1.00"$ | 1 |
| H - # DAYS MAXIMUM TEMPERATURE $\geq 90^\circ$ | 9 | Y - YEARLY PRECIPITATION | 18.19 |
| I - # DAYS MAXIMUM TEMPERATURE $\leq 32^\circ$ | 0 | Z - MAXIMUM CALENDAR DAY SNOWFALL | 0 |
| J - # DAYS MINIMUM TEMPERATURE $\leq 32^\circ$ | 0 | 1 DATE MAXIMUM CALENDAR DAY SNOWFALL | 0 |
| K - # DAYS MINIMUM TEMPERATURE $\leq 0^\circ$ | 0 | 2 - # DAYS WITH SNOWFALL (\geq TRACE) | 0 |
| K1 - AVERAGE RELATIVE HUMIDITY (%) | 56.10% | 3 - # DAYS WITH SNOWFALL $\geq 1.00"$ | 0 |
| L - MAXIMUM WIND GUST (MPH) | 10 MPH | 4 - TOTAL MONTHLY SNOWFALL | 0 |
| M - DIRECTION MAXIMUM WIND GUST | — | 5 - TOTAL SNOWFALL FOR 2019-2020 | 0 |
| N - DATE(S) OF MAXIMUM WIND GUST | 7 th | 6 - MAXIMUM BAROMETRIC PRESSURE | 30.16 |
| N1 - AVERAGE WIND SPEED (MPH) | 4.0 MPH | 6A - DATE MAXIMUM BAROMETRIC PRESSURE | 15 th |
| N2 - DOMINANT WIND DIRECTION | — | 7 - MINIMUM BAROMETRIC PRESSURE | 29.58 |
| O - # DAYS - THUNDERSTORM | 7 | 7A - DATE MINIMUM BAROMETRIC PRESSURE | 23 rd |
| P - # DAYS - HAIL | 0 | 8 - AVERAGE SEA-LEVEL PRESSURE | 29.05 |
| Q - # DAYS - GLAZE | 0 | CWA - YOUR NWS COUNTY WARNING AREA | AKQ |
| R - # DAYS - ICE PELLETS (SLEET) | 0 | | |
| R1 - # DAYS - DENSE FOG ($\leq 1/4$ MILE) | 0 | | |

WEATHER OBSERVATION DATA

OBSERVER Chris Martin LOCATION Merle, VA
 OBSERVATION TIME 12h MONTH/YEAR June 2020

| 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 | 77 | 52 | 63 | 0 | | | | | | | | | | | | | | | | | |
| 2 | 86 | 56 | 71 | 7 | | | | | | | | | | | | | | | | | |
| 3 | 94 | 67 | 81 | 7 | | | | | | | | | | | | | | | | | |
| 4 | 97 | 72 | 83 | 0 | | | | | | | | | | | | | | | | X | |
| 5 | 87 | 72 | 80 | 0 | | | | | | | | | | | | | | | | | |
| 6 | 91 | 70 | 81 | .30 | | | X | | | | | | | | | | | X | | | |
| 7 | 85 | 65 | 75 | .36 | | | X | | | | | | | | | | | X | | | |
| 8 | 88 | 59 | 74 | 0 | | | | | | | | | | | | | | | | X | |
| 9 | 93 | 63 | 78 | 0 | | | | | | | | | | | | | | | | | |
| 10 | 92 | 72 | 83 | 7 | | | | | | | | | | | | | | | | | |
| 11 | 86 | 76 | 81 | .91 | | | X | | | | | | | | | | | X | | | |
| 12 | 87 | 67 | 77 | 1.97 | | | | | | | | | | | | | | X | | | |
| 13 | 84 | 62 | 73 | 0 | | | | | | | | | | | | | | | | X | |
| 14 | 79 | 60 | 70 | 0 | | | | | | | | | | | | | | | | | |
| 15 | 67 | 60 | 64 | .08 | | | | | | | | | | | | | | | | | |
| 16 | 69 | 59 | 64 | .04 | | | | | | | | | | | | | | | | | X |
| 17 | 69 | 62 | 66 | .84 | | | | | | | | | | | | | | | | X | |
| 18 | 84 | 65 | 75 | 1.63 | | | X | | | | | | | | X | | | X | | | |
| 19 | 81 | 65 | 73 | .02 | | | | | | | | | | | X | | | X | | | |
| 20 | 85 | 66 | 76 | 0 | | | | | | | | | | | | | | | | X | |
| 21 | 88 | 67 | 78 | 0 | | | | | | | | | | | | | | | | | |
| 22 | 92 | 68 | 80 | .10 | | | X | | | | | | | | | | | | | | |
| 23 | 93 | 66 | 80 | .14 | | | | | | | | | | | X | | | X | | | |
| 24 | 86 | 71 | 79 | 0 | | | | | | | | | | | | | | | | | |
| 25 | 83 | 67 | 75 | .76 | | | X | | | | | | | | | | | | | | |
| 26 | 87 | 63 | 76 | 0 | | | | | | | | | | | | | | X | | | |
| 27 | 94 | 68 | 81 | 0 | | | | | | | | | | | | | | | | | |
| 28 | 89 | 71 | 80 | .60 | | | X | | | | | | | | | | | | | | |
| 29 | 89 | 71 | 80 | 0 | | | | | | | | | | | X | | | X | | | |
| 30 | 92 | 66 | 79 | 0 | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | |

HIGHEST TEMP AND DATE 97 / 4th
 LOWEST TEMP AND DATE 52 / 1st
 MONTHLY MEAN TEMP 76
 NUMBER OF T-ST DAYS 7

AVG. MO. HIGH 83
 AVG. MO. LOW 67

GREATEST 24 HR PRECIP / DATE 1.97 / 12th MO. TOTAL PRECIP. 5.88
 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 Chris Martin LOCATION Mech, VA
 OBSERVATION TIME 1700h MONTH/YEAR JUNE 2020

Additional Observations Sheet

| date | observations | date | observations |
|------|--|------|--|
| 1 | | 17 | PERIODS OF RAIN HEAVY AT TIMES DURING THE NIGHT AND DAY TIME. |
| 2 | BRIEF SHOWER AROUND 10AM. | 18 | SHOWER AND THUNDER AROUND 1530h. T-STORM AT 1720h. SHARP LIGHTNING HEAVY DARK POWER. |
| 3 | SPRINKLE DURING THE AFTERNOON. ANOTHER SPRINKLE AROUND 2030h. | 19 | BRIEF LIGHT SHOWER OVERNIGHT. |
| 4 | | 20 | |
| 5 | | 21 | |
| 6 | T-STORMS DURING NIGHT TIME IN. T-STORM AT 2300h. | 22 | T-STORMS AT 1500h AND 1530h AND HEAVY DARK POWER AND SHARP LIGHTNING. T-STORM AT 2115h. |
| 7 | T-STORM DURING THE NIGHT, LIGHT SHOWERS AROUND 0720h. | 23 | PRECIP FROM T-STORMS ON THE 20th AND 21st. SPRINKLE AROUND 2000h. T-STORM JUST TO THE NORTH. |
| 8 | | 24 | |
| 9 | | 25 | T-STORM 1105h. T-STORM AT 1700h SHARP LIGHTNING AND HEAVY DARK POWER. |
| 10 | BRIEF HEAVY DOWNPOUR AROUND 1720h. | 26 | |
| 11 | LEGGY SHOWER DURING THE NIGHT. SOME LIGHT RAIN DURING THE AFTERNOON. T-STORM AT 2015h. | 27 | |
| 12 | PRECIP FROM T-STORM ON 6-11 THAT OCCURRED AROUND 2015h. | 28 | |
| 13 | | 29 | |
| 14 | | 30 | |
| 15 | RAIN MOVING IN AROUND 0600h. | 31 | |
| 16 | PERIODS OF LIGHT RAIN. | | |

Part b