

**ACON - VA/NC/SC**

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

**STATION SUMMARY OF CLIMATOLOGICAL DATA - September 2021**

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

DENOTATION:	(DATA)	DENOTATION:	(DATA)
A - AVERAGE MAXIMUM TEMPERATURE	80.83	T - TOTAL PRECIPITATION	3.93
B - AVERAGE MINIMUM TEMPERATURE	63.33	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	72.26	U - MAXIMUM CALENDAR DAY PRECIPITATION	2.04
C1 - DEPARTURE OF AVERAGE TEMP	—	U1 DATE MAX CALENDAR DAY PRECIPITATION	23 <sup>RD</sup>
D - MAXIMUM TEMPERATURE	88	V - MAXIMUM 24-HOUR PRECIPITATION	2.13
E - DATE(S) OF MAXIMUM TEMPERATURE	13 <sup>TH</sup> & 14 <sup>TH</sup>	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	22 <sup>ND</sup> & 23 <sup>RD</sup>
F - MINIMUM TEMPERATURE	50	W - # DAYS PRECIPITATION >= .01"	10
G - DATE(*9s) OF MINIMUM TEMPERATURE	25 <sup>TH</sup>	X - # DAYS PRECIPITATION >= 1.00"	1
H - # DAYS MAXIMUM TEMPERATURE >= 90°	0	Y - YEARLY PRECIPITATION	33.17
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 (%)	59.63%	3 - # DAYS WITH SNOWFALL >= 1.00"	0
L - MAXIMUM WIND GUST (MPH)	8 MPH	4 - TOTAL MONTHLY SNOWFALL	0
M - DIRECTION MAXIMUM WIND GUST	—	5 - TOTAL SNOWFALL FOR 2020-2021	—
N - DATE(S) OF MAXIMUM WIND GUST	8 <sup>ND</sup> 22 <sup>ND</sup> & 26 <sup>TH</sup>	6 - MAXIMUM BAROMETRIC PRESSURE	30.13
N1 - AVERAGE WIND SPEED (MPH)	46.8 MPH	6A - DATE MAXIMUM BAROMETRIC PRESSURE	20 <sup>TH</sup>
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	29.46
O - # DAYS - THUNDERSTORM	5	7A - DATE MINIMUM BAROMETRIC PRESSURE	1 <sup>ST</sup>
P - # DAYS - HAIL	0	8 - AVERAGE SEA-LEVEL PRESSURE	29.89
Q - # DAYS - GLAZE	0	CWA - YOUR NWS COUNTY WARNING AREA	AKQ
R - # DAYS - ICE PELLETS (SLEET)	0		
R1 - # DAYS - DENSE FOG (<= 1/4 MILE)	1		



# WEATHER OBSERVATION DATA

OBSERVER Glen Martin LOCATION Mechanicsville, VA  
 OBSERVATION TIME 1700h MONTH/YEAR SEPT. / 2021

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	72	82	0.26																		
2	78	63	71	0.21																		
3	77	56	67	0														X	X	X		
4	80	56	69	0																		
5	86	63	75	0																		
6	83	63	76	0.29																		
7	86	62	74	0																		
8	86	66	76	0.22																		
9	73	52	73	1.48			X															X
10	76	53	69	0			X											X	X	X		
11	79	55	67	0														X	X	X		
12	84	62	73	0																		
13	88	66	77	0																		
14	88	68	78	0																		
15	87	64	78	0																		
16	87	71	79	0.66																		
17	80	72	76	0.05			X															
18	81	75	80	0														X			X	
19	82	69	79	0										X								X
20	79	63	71	0																		
21	82	62	74	0																		
22	82	70	76	0.09																		
23	79	69	74	1.04																		
24	73	53	63	0			X															
25	75	50	63	0														X			X	
26	74	54	67	0																		
27	75	52	67	0																		
28	82	60	71	0																		
29	73	63	69	0.03			X															
30	75	51	63	0																		X
31																						

HIGHEST TEMP AND DATE 88 13th/14th AVG. MO. HIGH 80.83  
 LOWEST TEMP AND DATE 50 25th AVG. MO. LOW 63.33  
 MONTHLY MEAN TEMP 72.26 GREATEST 24 HR PRECIP./DATE 2.13/20th/21st MO. TOTAL PRECIP. 3.93  
 NUMBER OF T-ST DAYS 5 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    drz = drizzle

Part a



# WEATHER OBSERVATION DATA

OBSERVER Glen Martin LOCATION Mech VA.  
 OBSERVATION TIME 1206h MONTH/YEAR SEPT. / 2021

## Additional Observations Sheet

date	observations	date	observations
1	SOME PRECIP FROM REMNANTS OF TROPICAL STORM EDA. VERY BRIEF HEAVY RAIN PERIODS AT THIS TIME	17	BRIEF EARLY AFTERNOON DOWNPOUR FROM TROPICAL SYSTEM OFF THE COAST.
2	PRECIP FROM THE 1ST OF THE EVENING FROM REMNANTS OF EDA.	18	
3		19	
4		20	
5		21	
6	Light Rain in the Amhs.	22	BRIEF LIGHT TO HEAVY DOWNPOUR DURING THE DAY
7		23	SHOWERS HEAVY AT TIMES DURING THE MID MORNING OR SOME THUNDER
8	STRONG T-STORM 1400 hr.	24	
9	T-STORMS AT 0400 + 0930 hr.	25	
10		26	
11		27	
12		28	BRIEF LIGHT SHOWER DURING THE AFTERNOON. SHOWER AROUND 1900h. THUNDER
13		29	
14		30	
15		31	
16	T-storms AROUND 1530hr		

Part b