

**ACON - VA/NC/SC**

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

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

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

DENOTATION:	(DATA)	DENOTATION:	(DATA)
A - AVERAGE MAXIMUM TEMPERATURE	72.29	T - TOTAL PRECIPITATION	2.83
B - AVERAGE MINIMUM TEMPERATURE	61.86	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	68.82	U - MAXIMUM CALENDAR DAY PRECIPITATION	1.15
C1 - DEPARTURE OF AVERAGE TEMP	—	U1 - DATE MAX CALENDAR DAY PRECIPITATION	29 <sup>th</sup>
D - MAXIMUM TEMPERATURE	84	V - MAXIMUM 24-HOUR PRECIPITATION	1.19
E - DATE(S) OF MAXIMUM TEMPERATURE	3 <sup>rd</sup>	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	29 <sup>th</sup> , 30 <sup>th</sup>
F - MINIMUM TEMPERATURE	46	W - # DAYS PRECIPITATION $\geq .01"$	12
G - DATE(*9S) OF MINIMUM TEMPERATURE	18 <sup>th</sup>	X - # DAYS PRECIPITATION $\geq 1.00"$	1
H - # DAYS MAXIMUM TEMPERATURE $\geq 90^\circ$	0	Y - YEARLY PRECIPITATION	36.00
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 (%)	65.75%	3 - # DAYS WITH SNOWFALL $\geq 1.00"$	0
L - MAXIMUM WIND GUST (MPH)	18 MPH	4 - TOTAL MONTHLY SNOWFALL	0
M - DIRECTION MAXIMUM WIND GUST	—	5 - TOTAL SNOWFALL FOR <del>2021-2022</del>	0
N - DATE(S) OF MAXIMUM WIND GUST	26 <sup>th</sup>	6 - MAXIMUM BAROMETRIC PRESSURE	30.13
N1 - AVERAGE WIND SPEED (MPH)	5.95 MPH	6A - DATE MAXIMUM BAROMETRIC PRESSURE	1 <sup>st</sup>
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	29.42
O - # DAYS - THUNDERSTORM	2	7A - DATE MINIMUM BAROMETRIC PRESSURE	29 <sup>th</sup>
P - # DAYS - HAIL	0	8 - AVERAGE SEA-LEVEL PRESSURE	29.86
Q - # DAYS - GLAZE	0	CWA - YOUR NWS COUNTY WARNING AREA	<b>AKQ</b>
R - # DAYS - ICE PELLETS (SLEET)	0		
R1 - # DAYS - DENSE FOG ( $\leq 1/4$ MILE)	2		

# WEATHER OBSERVATION DATA

OBSERVER Glen Martin LOCATION Mech VA  
 OBSERVATION TIME 1700h MONTH/YEAR Oct/2021

Additional Observations Sheet

date	observations	date	observations
1		17	PRECIP FROM EVENING OF THE 16TH
2		18	
3		19	
4	Light showers.	20	
5	Early evening shower	21	
6	RAIN ON AND OFF DURING THE DAY	22	Light shower during the morning.
7		23	
8		24	
9		25	
10	BRIEF heavy down pour during the afternoon.	26	T-STORM DURING THE NIGHT.
11	PERIODS OF LIGHT RAIN & DRIZZLE FROM TROPICAL SYSTEM AT THE PORT.	27	
12	SOME RAIN OVERNIGHT AND A SHOWER DURING THE AFTERNOON.	28	
13	SHOWER IN THE EVENING OF THE 12TH	29	RAIN HEAVY AT TIMES DURING THE NIGHT AND INTO THE MORNING AND DURING THE EVENING
14		30	
15		31	
16	SHOWER MOVING THROUGH AROUND 1530 hrs WITH GUSTY WINDS		

Part b

# WEATHER OBSERVATION DATA

OBSERVER Glen Martin LOCATION Mech VA  
 OBSERVATION TIME 1700h MONTH/YEAR Oct/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	DRZ	RAIN	TROPST	
1	72	58	63	0																		
2	80	58	66	0																		
3	84	62	73	0																		
4	82	66	74	0																		
5	83	68	76	0																		
6	79	71	75	.28																		
7	73	70	72	0																		
8	76	67	72	0																		
9	67	63	66	.19																		
10	67	65	66	.05																		
11	75	66	71	.09																		
12	75	66	71	.05																		
13	78	67	73	.04																		
14	81	68	75	0																		
15	80	62	71	0																		
16	80	66	74	.22																		
17	65	47	56	.12																		
18	68	46	57	0																		
19	62	41	51	0																		
20																						
21																						
22	70	62	66	.01																		
23	69	50	60	0																		
24	74	59	62	0																		
25	77	59	68	.05																		
26	70	58	64	.64																		
27	67	51	60	0																		
28	66	49	57	0																		
29	68	58	63	1.15																		
30	68	50	59	.04																		
31	69	49	59	0																		

HIGHEST TEMP AND DATE 84 3RD      AVG. MO. HIGH 72.29  
 LOWEST TEMP AND DATE 46 18TH      AVG. MO. LOW 61.86  
 MONTHLY MEAN TEMP 68.82      GREATEST 24 HR PRECIP./DATE 1.19/27th  
 NUMBER OF T-ST DAYS 2      GREATEST 24 HR SNOWFALL/DATE 0  
 MO. TOTAL PRECIP. 2.83  
 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