

ACON - VA/NC/SC

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

STATION SUMMARY OF CLIMATOLOGICAL DATA - DECEMBER 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	59.10	T - TOTAL PRECIPITATION	1.10
B - AVERAGE MINIMUM TEMPERATURE	38.19	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	49.26	U - MAXIMUM CALENDAR DAY PRECIPITATION	.26
C1 - DEPARTURE OF AVERAGE TEMP	—	U1 DATE MAX CALENDAR DAY PRECIPITATION	12 th
D - MAXIMUM TEMPERATURE	74	V - MAXIMUM 24-HOUR PRECIPITATION	.28
E - DATE(S) OF MAXIMUM TEMPERATURE	17 th	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	17 th , 18 th
F - MINIMUM TEMPERATURE	24	W - # DAYS PRECIPITATION $\geq .01"$	6
G - DATE(*9s) OF MINIMUM TEMPERATURE	9 th	X - # DAYS PRECIPITATION $\geq 1.00"$	0
H - # DAYS MAXIMUM TEMPERATURE $\geq 90^\circ$	0	Y - YEARLY PRECIPITATION	43.10
I - # DAYS MAXIMUM TEMPERATURE $\leq 32^\circ$	0	Z - MAXIMUM CALENDAR DAY SNOWFALL	0
J - # DAYS MINIMUM TEMPERATURE $\leq 32^\circ$	9	1 DATE MAXIMUM CALENDAR DAY SNOWFALL	—
K - # DAYS MINIMUM TEMPERATURE $\leq 0^\circ$	0	2 - # DAYS WITH SNOWFALL (\geq TRACE)	0
K1 - AVERAGE RELATIVE HUMIDITY (%)	52.0%	3 - # DAYS WITH SNOWFALL $\geq 1.00"$	0
L - MAXIMUM WIND GUST (MPH)	18MPH	4 - TOTAL MONTHLY SNOWFALL	0
M - DIRECTION MAXIMUM WIND GUST	—	5 - TOTAL SNOWFALL FOR 2021-2022	0
N - DATE(S) OF MAXIMUM WIND GUST	17 th	6 - MAXIMUM BAROMETRIC PRESSURE	30.27
N1 - AVERAGE WIND SPEED (MPH)	5.30MPH	6A - DATE MAXIMUM BAROMETRIC PRESSURE	14 th
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	29.41
O - # DAYS - THUNDERSTORM	0	7A - DATE MINIMUM BAROMETRIC PRESSURE	25 th
P - # DAYS - HAIL	0	8 - AVERAGE SEA-LEVEL PRESSURE	29.86
Q - # DAYS - GLAZE	0	CWA - YOUR NWS COUNTY WARNING AREA	AKQ
R - # DAYS - ICE PELLETS (SLEET)	2		
R1 - # DAYS - DENSE FOG ($\leq 1/4$ MILE)	0		

WEATHER OBSERVATION DATA

OBSERVER Glen Montor LOCATION Mechanicsville, VA.
 OBSERVATION TIME 1200hr MONTH/YEAR December/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	59	32	46	0																		
2	70	44	57	0																		
3	63	42	53	0																		
4	59	35	47	0																		
5	57	32	45	0																		
6	72	41	57	0																		
7	57	33	45	0																		
8	49	30	40	0																		
9	45	29	37	0																		
10	56	29	43	0																		
11	72	53	63	1.09																	X	
12	56	36	46	.26																	X	
13	38	27	33	0														X				
14	39	28	34	0																		
15	62	37	49	0																		
16	71	39	55	0																		
17	74	57	66	0																		
18	60	54	57	.23																		
19	63	40	52	.23																		
20	47	29	38	0																	X	X
21	42	26	34	0																		X
22	54	37	45	.21																		
23	47	29	38	0																	X	
24	63	33	48	0																		X
25	72	49	61	0																		
26	71	45	58	0																		
27	49	37	43	0																		
28	63	44	54	0																		
29	65	50	58	0																		
30	55	51	53	.15																		
31	62	37	50	0																	X	X

HIGHEST TEMP AND DATE 74 / 17th

LOWEST TEMP AND DATE 24 / 9th

MONTHLY MEAN TEMP 49.26

NUMBER OF T-ST DAYS 0

AVG. MO. HIGH 59.10

AVG. MO. LOW 38.19

GREATEST 24 HR PRECIP./DATE .26 / 12th

GREATEST 24 HR SNOWFALL/DATE 0

MO. TOTAL PRECIP. 1.10

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 Glen Martin LOCATION Mech VA.
 OBSERVATION TIME 1700h MONTH/YEAR December/2021

Additional Observations Sheet

date	observations	date	observations
1		17	
2		18	Some drizzle at 2m. Moderate rain shower midday during the afternoon.
3		19	Rain mixing with some sleet before ending in the early afternoon.
4		20	
5		21	Trace of drizzle during the mid afternoon
6		22	RAIN OVER NIGHT ending by morning.
7		23	
8	Some light RAIN, some sleet at the beginning.	24	
9		25	
10	A brief sprinkle during the late afternoon.	26	
11	Light shower during the night & morning in heavy dew, rain and drizzle into the early morning.	27	
12	Probs of rain heavy dew dew on the way of the 11th 1730 and into the night.	28	
13		29	
14		30	Light to moderate rain over night.
15		31	Drizzle during the night.
16			

Part b