

ACON - VA/NC/SC

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

STATION SUMMARY OF CLIMATOLOGICAL DATA - February 2021

OBSERVER: Glenn 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	45.82	T - TOTAL PRECIPITATION	5.44
B - AVERAGE MINIMUM TEMPERATURE	31.61	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	39.11	U - MAXIMUM CALENDAR DAY PRECIPITATION	1.75"
C1 - DEPARTURE OF AVERAGE TEMP	—	U1 DATE MAX CALENDAR DAY PRECIPITATION	7 th
D - MAXIMUM TEMPERATURE	69	V - MAXIMUM 24-HOUR PRECIPITATION	1.21"
E - DATE(S) OF MAXIMUM TEMPERATURE	27 th	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	12 th , 13 th
F - MINIMUM TEMPERATURE	19	W - # DAYS PRECIPITATION $\geq .01"$	15
G - DATE(*9S) OF MINIMUM TEMPERATURE	21 st	X - # DAYS PRECIPITATION $\geq 1.00"$	0
H - # DAYS MAXIMUM TEMPERATURE $\geq 90^\circ$	0	Y - YEARLY PRECIPITATION	8.60"
I - # DAYS MAXIMUM TEMPERATURE $\leq 32^\circ$	1	Z - MAXIMUM CALENDAR DAY SNOWFALL	3.0"
J - # DAYS MINIMUM TEMPERATURE $\leq 32^\circ$	17	1 DATE MAXIMUM CALENDAR DAY SNOWFALL	12 th
K - # DAYS MINIMUM TEMPERATURE $\leq 0^\circ$	0	2 - # DAYS WITH SNOWFALL (\geq TRACE)	3
K1 - AVERAGE RELATIVE HUMIDITY (%)	61.96%	3 - # DAYS WITH SNOWFALL $\geq 1.00"$	1
L - MAXIMUM WIND GUST (MPH)	120MPH	4 - TOTAL MONTHLY SNOWFALL	4.5"
M - DIRECTION MAXIMUM WIND GUST	—	5 - TOTAL SNOWFALL FOR 2020-2021	9.25"
N - DATE(S) OF MAXIMUM WIND GUST	20 th , 23 rd	6 - MAXIMUM BAROMETRIC PRESSURE	30.24
N1 - AVERAGE WIND SPEED (MPH)	5.69MPH	6A - DATE MAXIMUM BAROMETRIC PRESSURE	26 th
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	29.43
O - # DAYS - THUNDERSTORM	0	7A - DATE MINIMUM BAROMETRIC PRESSURE	2 nd
P - # DAYS - HAIL	0	8 - AVERAGE SEA-LEVEL PRESSURE	28.00
Q - # DAYS - GLAZE	0	CWA - YOUR NWS COUNTY WARNING AREA	AKQ
R - # DAYS - ICE PELLETS (SLEET)	4		
R1 - # DAYS - DENSE FOG ($\leq 1/4$ MILE)	0		

WEATHER OBSERVATION DATA

OBSERVER Glenn Martin LOCATION Mech, VA.
 OBSERVATION TIME 1200 MONTH/YEAR Feb/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	33	30	32	.89																		
2	41	32	37	.06	1/2	1/2																
3	48	33	41	7	7	0					X									X		
4	53	37	44	0							X											
5	54	39	46	0																		
6	57	30	44	0																		
7	45	33	39	.75	1.0	3/4																
8	45	29	35	0																		
9	57	28	43	.13																	X	
10	44	31	38	0																		
11	39	31	38	.19																	X	
12	31	29	30	.71	3.0	3.0					X	X										
13	33	29	31	.50																	X	
14	35	30	33	.26																X		
15	39	33	36	.23																X		
16	43	36	40	.65																X		FREZZING Rain
17	40	26	33	0																X		
18	33	30	32	.66														X		X		
19	36	30	33	.35								X	X							X		
20	41	24	33	0								X	X							X		
21	47	19	31	0																X		
22	41	29	35	.38																X		
23	63	32	48	0								X								X		
24	69	30	50	0														X		X		
25	60	41	52	0																		
26	49	31	40	0																		
27	52	44	50	.50																		
28	51	46	49	.87																		
29																					X	
30																					X	
31																						

HIGHEST TEMP AND DATE 69 / 24th
 LOWEST TEMP AND DATE 19 / 21st
 MONTHLY MEAN TEMP 39.11
 NUMBER OF T-ST DAYS 0

AVG. MO. HIGH 45.82
 AVG. MO. LOW 31.61

GREATEST 24 HR PRECIP./DATE 7.21 / 12th MO. TOTAL PRECIP. 5.44
 GREATEST 24 HR SNOWFALL/DATE 3.0 / 12th MO. TOTAL SNOWFALL 4.25"

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 Alan Martin LOCATION Mitch, VA.
 OBSERVATION TIME 17th MONTH/YEAR FEB/2021

Additional Observations Sheet

date	observations	date	observations
1	SOME FREEZING DRIZZLE DURING THE NIGHT Hrs. OF 1-31	17	
2	AFTER 1700 Hrs. SOME SNOW DURING THE DAY.	18	SLEET & FREEZING RAIN. SOME THUNDER TO THE SOUTH OF STATION NEAR DETROIT. NO OF ICE
3	SNOW FLURRIES DURING THE EARLY MORNING Hrs.	19	FREEZING RAIN. ABOUT 1/8" OF ICE
4		20	
5		21	
6		22	PERIODS OF LIGHT RAIN DURING THE MORNING AND LATE AFTERNOON. SOME SLEET MIXED IN.
7	RAIN AND SNOW ENDING DURING THE AFTERNOON.	23	
8		24	
9	RAIN DURING THE EARLY MORNING Hrs.	25	
10		26	
11	LIGHT RAIN DURING THE DAY. RAIN CHANGING TO SLEET	27	RAIN OVER NIGHT. ENDING AROUND 1030 Hrs.
12	AROUND 1615 Hrs. SLEET CHANGING TO SNOW AROUND 1815 Hrs.	28	RAIN OVER NIGHT INTO PART OF THE MORNING
13	SNOW ENDING DURING THE EARLY MORNING Hrs. SOME RAIN & DRIZZLE DURING THE DAY.	29	
14	FREEZING RAIN DURING THE DAY. 1/4" ACCUMULATION. BRISCAI SMALL TREES OVER.	30	
15	SOME RAIN AND DRIZZLE OVER NIGHT.	31	
16	RAIN OVER NIGHT		
	RAIN OVER NIGHT. SOME HEAVY DOWNPOUR		

Part b