

ACON - VA/NC/SC

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

STATION SUMMARY OF CLIMATOLOGICAL DATA - JANUARY 2021

OBSERVER: Glen Martin ACON STATION ID: Mechanicsville, VA
 (COLUMN 5) OBSERVATION TIMES: TEMPS RECORDED AT 1700L PRECIP RECORDED AT 1700L

DENOTATION:	(DATA)	DENOTATION:	(DATA)
A - AVERAGE MAXIMUM TEMPERATURE	47.90	T - TOTAL PRECIPITATION	3.16
B - AVERAGE MINIMUM TEMPERATURE	29.81	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	38.65	U - MAXIMUM CALENDAR DAY PRECIPITATION	.86
C1 - DEPARTURE OF AVERAGE TEMP	—	U1 DATE MAX CALENDAR DAY PRECIPITATION	3 RD
D - MAXIMUM TEMPERATURE	64	V - MAXIMUM 24-HOUR PRECIPITATION	1.46
E - DATE(S) OF MAXIMUM TEMPERATURE	2 ND	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	2 ND 3 RD
F - MINIMUM TEMPERATURE	17	W - # DAYS PRECIPITATION >=.01"	6
G - DATE(*9s) OF MINIMUM TEMPERATURE	3 ^{0TH}	X - # DAYS PRECIPITATION >=1.00"	0
H - # DAYS MAXIMUM TEMPERATURE >=90°	0	Y - YEARLY PRECIPITATION	3.16"
I - # DAYS MAXIMUM TEMPERATURE <= 32°	0	Z - MAXIMUM CALENDAR DAY SNOWFALL	3.50"
J - # DAYS MINIMUM TEMPERATURE <= 32°	20	1 DATE MAXIMUM CALENDAR DAY SNOWFALL	31 ST
K - # DAYS MINIMUM TEMPERATURE <= 0°	0	2 - # DAYS WITH SNOWFALL (>= TRACE)	2
K1 - AVERAGE RELATIVE HUMIDITY (%)	50.19%	3 - # DAYS WITH SNOWFALL >= 1.00"	1
L - MAXIMUM WIND GUST (MPH)	22 MPH	4 - TOTAL MONTHLY SNOWFALL	3.50"
M - DIRECTION MAXIMUM WIND GUST	—	5 - TOTAL SNOWFALL FOR 2020-2021	4.75"
N - DATE(S) OF MAXIMUM WIND GUST	28 TH	6 - MAXIMUM BAROMETRIC PRESSURE	30.17
N1 - AVERAGE WIND SPEED (MPH)	7.37 MPH	6A - DATE MAXIMUM BAROMETRIC PRESSURE	30 TH
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	27.41
O - # DAYS - THUNDERSTORM	0	7A - DATE MINIMUM BAROMETRIC PRESSURE	16 TH
P - # DAYS - HAIL	0	8 - AVERAGE SEA-LEVEL PRESSURE	29.83
Q - # DAYS - GLAZE	0	CWA - YOUR NWS COUNTY WARNING AREA	AKQ
R - # DAYS - ICE PELLETS (SLEET)	2		
R1 - # DAYS - DENSE FOG (<= 1/4 MILE)	0		

WEATHER OBSERVATION DATA

OBSERVER Glenn Martin LOCATION Mech VA
 OBSERVATION TIME 17th MONTH/YEAR JAN/2021

Additional Observations Sheet

date	observations	date	observations
1	Rain starting around 1700 hr and into the am of 2nd	17	
2	Rain heavy at times during the am of 2nd	18	SOME SNOW FLAKES FLOATING AROUND. NO ACCUMULATION
3	Rain heavy at times overnight into morning with drizzle during the day.	19	
4	SOME DRIZZLE DURING THE NIGHT.	20	
5		21	
6		22	
7		23	
8		24	Light snow flurry during the evening.
9		25	Rain moving in 1500 hr.
10		26	Rain overnight ending by 0600 hr.
11	Light rain starting around 1630 hr and into the evening.	27	
12	Precip from evening of the 11th.	28	SAME LIGHT SNOW FLURRIES DURING THE NIGHT GRASSY AREA COVERAGE SOMEWHAT.
13		29	
14		30	
15		31	SNOW TO SLEET TO RAIN TO DRIZZLE FROM DEVELOPING NAR EASTERN DISTRICT
16	SHOWERS OVER NIGHT AND DURING THE AFTERNOON WITH A HEAVY GRAPEL STORM SOME SNOW MIXED IN		

Part b

WEATHER OBSERVATION DATA

OBSERVER Glenn Martin LOCATION Mech VA
 OBSERVATION TIME 17th MONTH/YEAR JAN/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	43	30	41.2	0																		
2	49	36	50	1.60																		
3	49	42	46	.86																		
4	49	39	41	.07																		
5	48	37	42.5	0																		
6	46	38	42	0																		
7	49	26	37.5	0																		
8	49	27	40	0																		
9	51	27	39	0																		
10	43	28	35.5	0																		
11	47	26	36.5	0																		
12	50	38	40	.07																		
13	49	35	41	0																		
14	55	29	41	0																		
15	57	29	43	0																		
16	46	35	41	.38																		
17	57	30	41	0																		
18	50	30	40	0																		
19	56	38	45	0		0																
20	57	31	47	0																		
21	57	25	44	0																		
22	55	33	44	0																		
23	59	29	42	0																		
24	48	19	31	0																		
25	44	34	39	0																		
26	43	35	39	.90																		
27	49	41	45	0																		
28	39	30	35	.03		.25																
29	39	27	33	0																		
30	39	17	28	0																		
31	39	30	34.5	3.16		3.75																

HIGHEST TEMP AND DATE 64 2nd AVG. MO. HIGH 47.90
 LOWEST TEMP AND DATE 17 30th AVG. MO. LOW 29.81
 MONTHLY MEAN TEMP 38.65 GREATEST 24 HR PRECIP/DATE 1.46/1st 3rd MO. TOTAL PRECIP. 3.16
 NUMBER OF T-ST DAYS 0 GREATEST 24 HR SNOWFALL/DATE 3.50/3rd MO. TOTAL SNOWFALL 3.75"
 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