

ACON - VA/NC/SC

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

STATION SUMMARY OF CLIMATOLOGICAL DATA - December 2020

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	57.03	T - TOTAL PRECIPITATION	6.34
B - AVERAGE MINIMUM TEMPERATURE	32.58	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	42.87	U - MAXIMUM CALENDAR DAY PRECIPITATION	2.14
C1 - DEPARTURE OF AVERAGE TEMP	—	U1 DATE MAX CALENDAR DAY PRECIPITATION	5 TH
D - MAXIMUM TEMPERATURE	71	V - MAXIMUM 24-HOUR PRECIPITATION	2.14
E - DATE(S) OF MAXIMUM TEMPERATURE	13 TH	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	5 TH
F - MINIMUM TEMPERATURE	21	W - # DAYS PRECIPITATION $\geq .01"$	8
G - DATE(*9s) OF MINIMUM TEMPERATURE	27 TH	X - # DAYS PRECIPITATION $\geq 1.00"$	3
H - # DAYS MAXIMUM TEMPERATURE $\geq 90^\circ$	0	Y - YEARLY PRECIPITATION	60.25"
I - # DAYS MAXIMUM TEMPERATURE $\leq 32^\circ$	0	Z - MAXIMUM CALENDAR DAY SNOWFALL	1.25"
J - # DAYS MINIMUM TEMPERATURE $\leq 32^\circ$	15	1 DATE MAXIMUM CALENDAR DAY SNOWFALL	7 TH
K - # DAYS MINIMUM TEMPERATURE $\leq 0^\circ$	0	2 - # DAYS WITH SNOWFALL (\geq TRACE)	1
K1 - AVERAGE RELATIVE HUMIDITY (%)	53.62%	3 - # DAYS WITH SNOWFALL $\geq 1.00"$	1
L - MAXIMUM WIND GUST (MPH)	18MPH	4 - TOTAL MONTHLY SNOWFALL	1.25
M - DIRECTION MAXIMUM WIND GUST	—	5 - TOTAL SNOWFALL FOR <u>2020-2021</u>	1.25
N - DATE(S) OF MAXIMUM WIND GUST	22 ND	6 - MAXIMUM BAROMETRIC PRESSURE	30.33
N1 - AVERAGE WIND SPEED (MPH)	6.45MPH	6A - DATE MAXIMUM BAROMETRIC PRESSURE	27 TH
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	29.51
O - # DAYS - THUNDERSTORM	0	7A - DATE MINIMUM BAROMETRIC PRESSURE	24 TH
P - # DAYS - HAIL	0	8 - AVERAGE SEA-LEVEL PRESSURE	29.85
Q - # DAYS - GLAZE	0	CWA - YOUR NWS COUNTY WARNING AREA	AKQ
R - # DAYS - ICE PELLETS (SLEET)	0		
R1 - # DAYS - DENSE FOG ($\leq 1/4$ MILE)	0		

WEATHER OBSERVATION DATA

OBSERVER Glen Martin LOCATION Mech VA
 OBSERVATION TIME 10th MONTH/YEAR DEC/2020

Additional Observations Sheet

date	observations	date	observations
1		17	RAIN from the evening of the 16th
2		18	
3		19	
4		20	Light rain during the morning and into part of the afternoon
5	HEAVY RAIN during the night hrs. Some drizzle in the early morning	21	
6	FROST	22	
7	SNOW STARTING 04:30hr. and ending around 0700hr. FLUJLY WET SNOW. NOT sticking to anything	23	
8		24	Light rain during the afternoon. Heavy downpour - late at the evening
9		25	Period of rain overnight in the AM heavy at times. Light snow showers around 1330hr. No accumulation
10		26	
11		27	
12	Light rain around 0700 hr.	28	
13		29	
14	Rain heavy at times	30	
15		31	Some light rain showers over night
16	Moderate to heavy cold rain during the day and into the evening hrs.		

Part b

WEATHER OBSERVATION DATA

OBSERVER Glen Martin LOCATION Mech VA
 OBSERVATION TIME 10th MONTH/YEAR DEC/2020

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	58	37	47	0																		
2	57	32	44	0																		
3	59	27	43	0																		
4	60	44	52	0																		
5	54	46	50	2.74																		
6	58	30	40	0																		
7	46	32	39	0.07	1.25	1.25													X	X	X	
8	48	35	39	0							X											
9	49	25	37	0																		
10	56	28	42	0																		
11	69	39	49	0																		
12	67	45	56	0																		
13	71	53	62	0																		
14	48	42	45	1.65																		
15	49	28	39	0																		
16	38	27	32	1.06															X		X	
17	45	29	37	0.13																		
18	43	32	38	0															X			
19	43	25	34	0																		
20	43	30	37	0																		
21	50	39	44	0																		
22	55	35	45	0																		
23	52	27	40	0																		
24	65	40	53	0.87																		
25	39	30	35	5.53	None	0													X		X	
26	39	22	31	0							X											
27	45	21	33	0																		
28	56	30	43	0																		
29	46	30	38	0																		
30	50	23	37	0																		
31	58	42	50	0.07																		

HIGHEST TEMP AND DATE 71 13th AVG. MO. HIGH 51.03
 LOWEST TEMP AND DATE 21 27th AVG. MO. LOW 32.58
 MONTHLY MEAN TEMP 44.87
 NUMBER OF T-ST DAYS 0 GREATEST 24 HR PRECIP./DATE 2.14/5th MO. TOTAL PRECIP. 6.34
 GREATEST 24 HR SNOWFALL/DATE 1.25/7th MO. TOTAL SNOWFALL 1.25"
 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