

ACON - VA/NC/SC

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

STATION SUMMARY OF CLIMATOLOGICAL DATA - December 2019

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	53.33	T - TOTAL PRECIPITATION	3.05
B - AVERAGE MINIMUM TEMPERATURE	35.56	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	44.76	U - MAXIMUM CALENDAR DAY PRECIPITATION	.65
C1 - DEPARTURE OF AVERAGE TEMP	—	U1 DATE MAX CALENDAR DAY PRECIPITATION	11/12
D - MAXIMUM TEMPERATURE	74	V - MAXIMUM 24-HOUR PRECIPITATION	.75
E - DATE(S) OF MAXIMUM TEMPERATURE	30 th	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	10 th , 11 th
F - MINIMUM TEMPERATURE	22	W - # DAYS PRECIPITATION >=.01"	11
G - DATE(*9s) OF MINIMUM TEMPERATURE	20 th	X - # DAYS PRECIPITATION >=1.00"	0
H - # DAYS MAXIMUM TEMPERATURE >=90°	0	Y - YEARLY PRECIPITATION	44.54
I - # DAYS MAXIMUM TEMPERATURE <= 32°	0	Z - MAXIMUM CALENDAR DAY SNOWFALL	1.25
J - # DAYS MINIMUM TEMPERATURE <= 32°	11	1 DATE MAXIMUM CALENDAR DAY SNOWFALL	11/12
K - # DAYS MINIMUM TEMPERATURE <= 0°	0	2 - # DAYS WITH SNOWFALL (>= TRACE)	1
K1 - AVERAGE RELATIVE HUMIDITY (%)	59.76%	3 - # DAYS WITH SNOWFALL >= 1.00"	0
L - MAXIMUM WIND GUST (MPH)	8 MPH	4 - TOTAL MONTHLY SNOWFALL	.25
M - DIRECTION MAXIMUM WIND GUST	—	5 - TOTAL SNOWFALL FOR 2019-2020	1.25"
N - DATE(S) OF MAXIMUM WIND GUST	4 th , 6 th , 16 th , 30 th	6 - MAXIMUM BAROMETRIC PRESSURE	30.47
N1 - AVERAGE WIND SPEED (MPH)	4.9 MPH	6A - DATE MAXIMUM BAROMETRIC PRESSURE	12 th
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	29.26
O - # DAYS - THUNDERSTORM	0	7A - DATE MINIMUM BAROMETRIC PRESSURE	14 th
P - # DAYS - HAIL	0	8 - AVERAGE SEA-LEVEL PRESSURE	29.89
Q - # DAYS - GLAZE	0	CWA - YOUR NWS COUNTY WARNING AREA	AKQ
R - # DAYS - ICE PELLETS (SLEET)	0		
R1 - # DAYS - DENSE FOG (<= 1/4 MILE)	2		

WEATHER OBSERVATION DATA

OBSERVER Clay Martin LOCATION Mech VA
 OBSERVATION TIME 1200 MONTH/YEAR December/2019

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	51	40	46	.45																		
2	50	42	46	.07																		
3	52	33	43	7																	X	
4	53	30	42	0																	X	
5	53	36	45	0																		
6	58	29	43	0																		
7	49	39	43	0																		
8	52	23	39	0																		
9	57	44	48	.61																		
10	67	58	63	.10																		
11	49	33	41	1.63	1/4	1/4															X	
12	40	29	35	0						X											X	
13	40	29	35	.07																	X	
14	52	40	48	.41																	X	
15	58	39	49	0															X		X	
16	49	35	44	7																	X	
17	51	38	45	.74																	X	
18	49	28	38	.32																	X	
19	37	23	30	0															X		X	
20	44	22	33	0																		
21	44	26	35	0																		
22	36	30	44	0																		
23	39	32	45	0																		
24	55	28	42	0																		
25	61	30	46	0																		
26	62	27	50	0																		
27	7	1	1	1																		
28	62	41	54	0									X									
29	59	46	53	.19																		
30	79	63	69	.04																	X	
31	58	45	52	0																	X	

HIGHEST TEMP AND DATE 74 30th
 LOWEST TEMP AND DATE 22 20th
 MONTHLY MEAN TEMP 44.76
 NUMBER OF T-ST DAYS 0

AVG. MO. HIGH 53.33
 AVG. MO. LOW 35.156

GREATEST 24 HR PRECIP./DATE 1.75 12/11/19 MO. TOTAL PRECIP. 3.05

GREATEST 24 HR SNOWFALL/DATE 1/4 11/19 MO. TOTAL SNOWFALL 1/4

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

WEATHER OBSERVATION DATA

OBSERVER Clara Martin LOCATION Mitch, VA
 OBSERVATION TIME 1200hr. MONTH/YEAR December/2019

Additional Observations Sheet

date	observations	date	observations
1	Light to moderate rain during the morning and into the afternoon.	17	RAIN AND DRIZZLE.
2	SHOWERS OVERNIGHT and into the morning.	18	PRECIP from the evening of the 17th
3	Light rain during the morning following hrs.	19	
4	TRAP of from the west of the 21st.	20	
5		21	
6		22	
7		23	
8	Light shower during the evening	24	
9	Periods of light rain during the day with some drizzle into the evening.	25	
10	SHOWERS during the afternoon.	26	DENSE FOG
11	Rain changes to snow during the morning hrs.	27	DENSE FOG
12	Turning cold.	28	
13	Periods of rain and drizzle.	29	RAIN during the morning and into the afternoon.
14	Periods of rain overnight through the morning hrs.	30	Light shower overnight.
15	ending by noon.	31	
16			

Part b