

**ACON - VA/NC/SC**

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

**STATION SUMMARY OF CLIMATOLOGICAL DATA - FEBRUARY 2020**

OBSERVER: Glean 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	54.72	T - TOTAL PRECIPITATION	3.57
B - AVERAGE MINIMUM TEMPERATURE	36.37	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	45.28	U - MAXIMUM CALENDAR DAY PRECIPITATION	1.11"
C1 - DEPARTURE OF AVERAGE TEMP	—	U1 DATE MAX CALENDAR DAY PRECIPITATION	6 <sup>th</sup>
D - MAXIMUM TEMPERATURE	73	V - MAXIMUM 24-HOUR PRECIPITATION	2.00"
E - DATE(S) OF MAXIMUM TEMPERATURE	3 <sup>rd</sup>	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	5 <sup>th</sup> - 6 <sup>th</sup>
F - MINIMUM TEMPERATURE	21	W - # DAYS PRECIPITATION $\geq .01$ "	10
G - DATE(*9s) OF MINIMUM TEMPERATURE	15 <sup>th</sup> - 22 <sup>nd</sup>	X - # DAYS PRECIPITATION $\geq 1.00$ "	1
H - # DAYS MAXIMUM TEMPERATURE $\geq 90^\circ$	0	Y - YEARLY PRECIPITATION	7.00
I - # DAYS MAXIMUM TEMPERATURE $\leq 32^\circ$	0	Z - MAXIMUM CALENDAR DAY SNOWFALL	1/4"
J - # DAYS MINIMUM TEMPERATURE $\leq 32^\circ$	10	1 DATE MAXIMUM CALENDAR DAY SNOWFALL	20 <sup>th</sup>
K - # DAYS MINIMUM TEMPERATURE $\leq 0^\circ$	0	2 - # DAYS WITH SNOWFALL ( $\geq$ TRACE)	1
K1 - AVERAGE RELATIVE HUMIDITY (%)	49.86%	3 - # DAYS WITH SNOWFALL $\geq 1.00$ "	0
L - MAXIMUM WIND GUST (MPH)	22 mph	4 - TOTAL MONTHLY SNOWFALL	1/4"
M - DIRECTION MAXIMUM WIND GUST	—	5 - TOTAL SNOWFALL FOR 2019-2020	1.50"
N - DATE(S) OF MAXIMUM WIND GUST	7 <sup>th</sup>	6 - MAXIMUM BAROMETRIC PRESSURE	30.28
N1 - AVERAGE WIND SPEED (MPH)	7.33 MPH	6A - DATE MAXIMUM BAROMETRIC PRESSURE	16 <sup>th</sup>
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	28.92
O - # DAYS - THUNDERSTORM	0	7A - DATE MINIMUM BAROMETRIC PRESSURE	7 <sup>th</sup>
P - # DAYS - HAIL	0	8 - AVERAGE SEA-LEVEL PRESSURE	28.94
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)	1		



# WEATHER OBSERVATION DATA

OBSERVER Clayton LOCATION Mech, VA  
 OBSERVATION TIME 1200h MONTH/YEAR Feb/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	35	44	.09																	
2	58	33	46	0																X	
3	73	46	60	0																	
4	72	56	64	7																	
5	63	43	53	.03																X	
6	47	41	44	1.11														X		X	
7	62	48	55	.89														X		X	
8	48	38	43	0																X	
9	53	27	40	0																	
10	57	37	47	.02																	
11	62	38	48	.76																	
12	55	45	50	0																X	
13	62	44	53	.08																X	
14	47	35	41	0																X	
15	42	21	32	0																	
16	39	24	32	0																	
17	57	35	46	0																	
18	64	38	49	0																	
19	53	46	50	.15																X	
20	41	30	36	0	1/4	1/4					X										
21	39	27	33	.12																	
22	56	21	39	0																	
23	64	25	45	0																	
24	58	36	47	0																	
25	60	47	54	.47															X	X	
26	56	48	52	7									X						X	X	
27	51	39	45	.01															X	X	
28	53	29	41	0																X	
29	45	27	36	0																	
30																					
31																					

HIGHEST TEMP AND DATE 73 3RD AVG. MO. HIGH 54.72  
 LOWEST TEMP AND DATE 21 15th 20th AVG. MO. LOW 36.37  
 MONTHLY MEAN TEMP 45.28 GREATEST 24 HR PRECIP./DATE 2.00 5th 6th MO. TOTAL PRECIP. 3.57  
 NUMBER OF T-ST DAYS 0 GREATEST 24 HR SNOWFALL/DATE 1/4 20th 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  
 tropst = tropical storm

Part a



# WEATHER OBSERVATION DATA

OBSERVER Clair Martin LOCATION Mech, VA  
 OBSERVATION TIME 120 h MONTH/YEAR Feb/2020

## Additional Observations Sheet

date	observations	date	observations
1	PERIODS of light RAIN during the night LIGHT SHOWER during the day.	17	
2		18	
3		19	RAIN AT NIGHT
4	light RAIN during the morning. Raining between 6:30-9:00	20	light snow starting around 1725 h.
5		21	SNOW during evening of 20th
6	RAIN heavy AT TIMES	22	
7	RAIN ending during the mid morning hrs. STROGS blows during the day. 20 MPH MAX	23	
8		24	
9		25	RAIN ending by noon.
10	LATE AFTERNOON SHOWER	26	DRIZZLE & LIGHT RAIN.
11	PERIODS of RAIN	27	BRIEF GUSTY RAINSHOWERS during the night
12		28	
13	PERIODS of light RAIN	29	
14		30	
15		31	
16			

Part b