

**ACON - VA/NC/SC**

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

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

OBSERVER: Glean Martin ACON STATION ID: Mechanicville VA.  
 (COLUMN S) OBSERVATION TIMES: \_\_\_\_\_ TEMPS RECORDED AT 1700 hr PRECIP RECORDED AT 1700 hr

DENOTATION:	(DATA)	DENOTATION:	(DATA)
A - AVERAGE MAXIMUM TEMPERATURE	69.3	T - TOTAL PRECIPITATION	4.65
B - AVERAGE MINIMUM TEMPERATURE	46.0	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	58.0	U - MAXIMUM CALENDAR DAY PRECIPITATION	1.09
C1 - DEPARTURE OF AVERAGE TEMP	—	U1 DATE MAX CALENDAR DAY PRECIPITATION	13 <sup>th</sup>
D - MAXIMUM TEMPERATURE	84	V - MAXIMUM 24-HOUR PRECIPITATION	1.09
E - DATE(S) OF MAXIMUM TEMPERATURE	7 <sup>th</sup>	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	13 <sup>th</sup>
F - MINIMUM TEMPERATURE	33	W - # DAYS PRECIPITATION $\geq .01"$	14
G - DATE(*9s) OF MINIMUM TEMPERATURE	17 <sup>th</sup> , 19 <sup>th</sup>	X - # DAYS PRECIPITATION $\geq 1.00"$	1
H - # DAYS MAXIMUM TEMPERATURE $\geq 90^\circ$	0	Y - YEARLY PRECIPITATION	13.97
I - # DAYS MAXIMUM TEMPERATURE $\leq 32^\circ$	0	Z - MAXIMUM CALENDAR DAY SNOWFALL	T
J - # DAYS MINIMUM TEMPERATURE $\leq 32^\circ$	0	1 DATE MAXIMUM CALENDAR DAY SNOWFALL	15 <sup>th</sup>
K - # DAYS MINIMUM TEMPERATURE $\leq 0^\circ$	0	2 - # DAYS WITH SNOWFALL ( $\geq$ TRACE)	0
K1 - AVERAGE RELATIVE HUMIDITY (%)	41.66%	3 - # DAYS WITH SNOWFALL $\geq 1.00"$	0
L - MAXIMUM WIND GUST (MPH)	20 MPH	4 - TOTAL MONTHLY SNOWFALL	T
M - DIRECTION MAXIMUM WIND GUST	—	5 - TOTAL SNOWFALL FOR 2019-2020	—
N - DATE(S) OF MAXIMUM WIND GUST	18 <sup>th</sup>	6 - MAXIMUM BAROMETRIC PRESSURE	30.08
N1 - AVERAGE WIND SPEED (MPH)	10.06 MPH	6A - DATE MAXIMUM BAROMETRIC PRESSURE	28 <sup>th</sup>
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	29.19
O - # DAYS - THUNDERSTORM	3	7A - DATE MINIMUM BAROMETRIC PRESSURE	9 <sup>th</sup>
P - # DAYS - HAIL	0	8 - AVERAGE SEA-LEVEL PRESSURE	29.75
Q - # DAYS - GLAZE	0	CWA - YOUR NWS COUNTY WARNING AREA	<b>AKQ</b>
R - # DAYS - ICE PELLETS (SLEET)	0		
R1 - # DAYS - DENSE FOG ( $\leq 1/4$ MILE)	0		

# WEATHER OBSERVATION DATA

OBSERVER Chad Martin LOCATION Med, VA.  
 OBSERVATION TIME 12th MONTH/YEAR April 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	55	42	49	.24																		
2	65	40	53	0														X		X		
3	72	39	56	0																	X	
4	63	42	53	0																		
5	74	40	57	0																		
6	75	51	63	.07																		
7	84	49	67	.07																		
8	62	51	70	.06										X				X		X		
9	59	48	54	.02																X		
10	69	48	51	0																X		
11	66	33	50	0																	X	
12	75	36	62	0																		
13	84	39	72	.09			X															
14	66	50	58	0														X		X		
15	56	38	47	.17	T	0					X										X	
16	63	35	49	0							X										X	
17	70	34	52	0																		
18	69	37	58	.05																		
19	70	33	52	0																	X	
20	59	52	55	.40																	X	
21	73	46	60	.7																	X	
22	67	34	51	0																	X	
23	65	47	56	.01																	X	
24	75	36	66	.83			X														X	
25	64	52	58	.63														X		X	X	
26	78	51	60	.25			X														X	
27	60	46	53	.13										X				X		X	X	
28	71	40	56	0																	X	
29	80	50	66	0																		
30	68	58	63	1.03																		
31																		X		X		

HIGHEST TEMP AND DATE 84 / 7th      AVG. MO. HIGH 69.3  
 LOWEST TEMP AND DATE 33 / 11th & 19th      AVG. MO. LOW 46.0  
 MONTHLY MEAN TEMP 58.0      GREATEST 24 HR PRECIP / DATE 1.09 / 13th      MO. TOTAL PRECIP. 4.65  
 NUMBER OF T-ST DAYS 3      GREATEST 24 HR SNOWFALL / DATE 0      MO. TOTAL SNOWFALL 0

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 Clayton LOCATION Meach, VA  
 OBSERVATION TIME 1700h MONTH/YEAR April 2020

## Additional Observations Sheet

date	observations	date	observations
1	Periods of moderate to heavy rain overnight	17	
2		18	Rain during the morning hr.
3		19	
4		20	Shower overnight and light to moderate rain during the morning. Some clearing by 1500h.
5		21	SPLINKLE during the afternoon
6	Shower overnight.	22	
7	T-storm 1750h with brief heavy down pours and sharp lightning.	23	Rain moving in during the noon hr.
8	SHOWERS during the morning hr.	24	SHOWERS starting here and at times, light shower with some sun.
9	Brief light shower around 0730 hr.	25	Light rain moving through around 1530h.
10		26	T-storm at 0245 hr with sharp lightning and heavy down pours. Brief heavy shower around 2030hr.
11		27	SHOWERS during the morning hr.
12	HEAVY RAIN during the morning hr. T-storm	28	
13		29	
14		30	Rain moving in around 0730 hr. Moderate with some heavy down pours.
15	Rain overnight with some light snow mixing in at 7-9:30 local time	31	
16			

Part b