

**ACON - VA/NC/SC**

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

**STATION SUMMARY OF CLIMATOLOGICAL DATA - April 2019**

OBSERVER: Glenn 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	75.57	T - TOTAL PRECIPITATION	2.75
B - AVERAGE MINIMUM TEMPERATURE	51.21	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	63.92	U - MAXIMUM CALENDAR DAY PRECIPITATION	.80
C1 - DEPARTURE OF AVERAGE TEMP	—	U1 DATE MAX CALENDAR DAY PRECIPITATION	9th
D - MAXIMUM TEMPERATURE	87	V - MAXIMUM 24-HOUR PRECIPITATION	.52
E - DATE(S) OF MAXIMUM TEMPERATURE	8th, 18th	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	20th, 21st
F - MINIMUM TEMPERATURE	30	W - # DAYS PRECIPITATION >=.01"	11
G - DATE(*9s) OF MINIMUM TEMPERATURE	1st, 2nd	X - # DAYS PRECIPITATION >=1.00"	0
H - # DAYS MAXIMUM TEMPERATURE >=90°	0	Y - YEARLY PRECIPITATION	14.65
I - # DAYS MAXIMUM TEMPERATURE <= 32°	0	Z - MAXIMUM CALENDAR DAY SNOWFALL	0
J - # DAYS MINIMUM TEMPERATURE <= 32°	2	1 DATE MAXIMUM CALENDAR DAY SNOWFALL	0
K - # DAYS MINIMUM TEMPERATURE <= 0°	0	2 - # DAYS WITH SNOWFALL (>= TRACE)	0
K1 - AVERAGE RELATIVE HUMIDITY (%)	44.71%	3 - # DAYS WITH SNOWFALL >= 1.00"	0
L - MAXIMUM WIND GUST (MPH)	22 MPH	4 - TOTAL MONTHLY SNOWFALL	0
M - DIRECTION MAXIMUM WIND GUST	—	5 - TOTAL SNOWFALL FOR 2018-2019	—
N - DATE(S) OF MAXIMUM WIND GUST	15th	6 - MAXIMUM BAROMETRIC PRESSURE	30.11
N1 - AVERAGE WIND SPEED (MPH)	7.9 MPH	6A - DATE MAXIMUM BAROMETRIC PRESSURE	4th
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	29.30
O - # DAYS - THUNDERSTORM	4	7A - DATE MINIMUM BAROMETRIC PRESSURE	26th
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 (<= 1/4 MILE)	1		

# WEATHER OBSERVATION DATA

OBSERVER Clay Martin LOCATION Meach VA.  
 OBSERVATION TIME 1200 MONTH/YEAR April 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	55	30	42	0																	
2	77	30	59	0																	
3	72	32	52	0.02																X	
4	75	41	58	0																	
5	55	48	52	1.44																X	
6	66	49	58	1.77									X						X	X	
7	87	46	67	0			X														
8	87	60	74	0														X		X	
9	80	63	71	1.80																	
10	78	47	64	0																	
11	77	45	61	0																	
12	77	53	66	1.03																	
13	72	62	67	1.49			X											X		X	
14	82	63	73	1.01														X		X	
15	75	60	68	1.21			X											X		X	
16	73	40	57	0																	
17	76	57	72	0																	
18	87	57	69	0																	
19	78	65	72	1.07			X											X		X	
20	75	62	70	1.16														X			
21	72	48	60	0																	
22	75	54	65	0																	
23	76	49	63	0																	
24	76	62	74	0																	
25	80	57	69	0														X		X	
26	79	60	70	1.25			X							X				X		X	
27	75	49	62	1.27																	
28	85	57	71	0																	
29	—	—	—	—																	
30	—	—	—	—																	
31	—	—	—	—																	

HIGHEST TEMP AND DATE 87 8th 16th AVG. MO. HIGH 75.57  
 LOWEST TEMP AND DATE 30 1st 2nd AVG. MO. LOW 51.21  
 MONTHLY MEAN TEMP 63.98 GREATEST 24 HR PRECIP./DATE .80/9th MO. TOTAL PRECIP. 2.98  
 NUMBER OF T-ST DAYS 5 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  
 tropst = tropical storm

Part a

# WEATHER OBSERVATION DATA

OBSERVER Clay Martin LOCATION Medina  
 OBSERVATION TIME 7:00 PM MONTH/YEAR April 2019

## Additional Observations Sheet

date	observations	date	observations
1		17	
2	LIGHT RAIN AND DRIZZLE BEGIN IN DURING THE EARLY AFTERNOON	18	
3	PRECIP FROM THE EVENING OF 20th	19	SHOWERS DURING THE AFTERNOON
4		20	PRECIP FROM EVENING STORMS ON THE 19th
5	PERIOD OF LIGHT TO MODERATE RAIN.	21	
6	RAIN - DRIZZLE	22	
7		23	
8	T-STORM MOVING THROUGH AREA 1830 hr.	24	
9	PRECIP TOTAL FROM T-STORM OF THE 9th @ 1830 hr. SOME RAIN OVERCAST.	25	BRIEF HEAVY DOWN POUR AROUND 0300 hr
10		26	T-STORMS AROUND 1840 hr.
11		27	PRECIP FROM EVENING SHOWERS ON THE 26th
12	BRIEF SHOWERS DURING THE AFTERNOON	28	
13	THUNDER DURING THE MORNING hr.	29	
14	SHOWERS EARLY AM	30	
15	T-STORMS MOVING THROUGH AROUND 0200 hr. WITH A HEAVY RAIN.	31	
16			

Part b