

# ACON - VA/NC/SC

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

## STATION SUMMARY OF CLIMATOLOGICAL DATA - March 2022

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	65.19	T - TOTAL PRECIPITATION	2.96
B - AVERAGE MINIMUM TEMPERATURE	48.80	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	52.35	U - MAXIMUM CALENDAR DAY PRECIPITATION	1.04
C1 - DEPARTURE OF AVERAGE TEMP	—	U1 - DATE MAX CALENDAR DAY PRECIPITATION	9 <sup>th</sup>
D - MAXIMUM TEMPERATURE	82	V - MAXIMUM 24-HOUR PRECIPITATION	1.27
E - DATE(S) OF MAXIMUM TEMPERATURE	7 <sup>th</sup>	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	8 <sup>th</sup> , 9 <sup>th</sup>
F - MINIMUM TEMPERATURE	19	W - # DAYS PRECIPITATION $\geq .01"$	7
G - DATE(S) OF MINIMUM TEMPERATURE	13 <sup>th</sup>	X - # DAYS PRECIPITATION $\geq 1.00"$	1
H - # DAYS MAXIMUM TEMPERATURE $\geq 90^\circ$	0	Y - YEARLY PRECIPITATION	8.38
I - # DAYS MAXIMUM TEMPERATURE $\leq 32^\circ$	0	Z - MAXIMUM CALENDAR DAY SNOWFALL	.25
J - # DAYS MINIMUM TEMPERATURE $\leq 32^\circ$	7	1 - DATE MAXIMUM CALENDAR DAY SNOWFALL	13 <sup>th</sup>
K - # DAYS MINIMUM TEMPERATURE $\leq 0^\circ$	0	2 - # DAYS WITH SNOWFALL ( $\geq$ TRACE)	1
K1 - AVERAGE RELATIVE HUMIDITY (%)	43.74%	3 - # DAYS WITH SNOWFALL $\geq 1.00"$	0
L - MAXIMUM WIND GUST (MPH)	26MPH	4 - TOTAL MONTHLY SNOWFALL	.25
M - DIRECTION MAXIMUM WIND GUST	—	5 - TOTAL SNOWFALL FOR <u>2021-2022</u>	8.63
N - DATE(S) OF MAXIMUM WIND GUST	12 <sup>th</sup>	6 - MAXIMUM BAROMETRIC PRESSURE	30.18
N1 - AVERAGE WIND SPEED (MPH)	9.34MPH	6A - DATE MAXIMUM BAROMETRIC PRESSURE	4 <sup>th</sup>
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	29.39
O - # DAYS - THUNDERSTORM	1	7A - DATE MINIMUM BAROMETRIC PRESSURE	26 <sup>th</sup>
P - # DAYS - HAIL	0	8 - AVERAGE SEA-LEVEL PRESSURE	28.79
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 Glen Martin LOCATION McChesnut VA  
 OBSERVATION TIME 1700h MONTH/YEAR March/2022

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	65	28	47	0																		
2	70	41	56	0																		
3	64	44	54	0																		
4	63	28	41	0																		
5	67	32	50	0																		
6	74	38	67	0																		
7	82	62	72	0																		
8	62	44	53	1.17																		
9	47	41	44	1.00																		
10	50	36	43	0																		
11	65	38	47	0																		
12	53	29	41	0														X	X	X		
13	46	19	33	0	.25	.25	X															
14	61	28	46	0						X	X											
15	74	36	55	0																		
16	76	41	59	0																		
17	59	52	56	.41																		
18	49	44	47	0																		
19	81	58	70	0																		
20	68	49	59	0																X	X	
21	72	34	53	0																		
22	78	44	61	0																		
23	62	44	53	0																		
24	65	65	70	.19																		
25	69	53	61	.19																		
26	58	42	51	.7																		
27	56	31	44	0																		
28	52	34	40	0																		
29	50	22	36	0																		
30	68	36	52	1.01																		
31	74	54	64	.10																		

HIGHEST TEMP AND DATE 82 7/2  
 LOWEST TEMP AND DATE 19 1/3/2  
 MONTHLY MEAN TEMP 52.35  
 NUMBER OF T-ST DAYS 1

AVG. MO. HIGH 65.19  
 AVG. MO. LOW 42.80

GREATEST 24 HR PRECIP./DATE 1.27/2/22 MO. TOTAL PRECIP. 2.96  
 GREATEST 24 HR SNOWFALL/DATE 25/1/22 MO. TOTAL SNOWFALL .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

# WEATHER OBSERVATION DATA

OBSERVER Clay Martin LOCATION Mech VA.  
 OBSERVATION TIME 1700h MONTH/YEAR March 2022

## Additional Observations Sheet

date	observations	date	observations
1		17	Light to moderate rain and drizzle.
2		18	
3		19	
4		20	
5		21	
6		22	
7		23	Rain moving in during the afternoon.
8	precip from evening rain on the 7th	24	Rain overnight
9		25	light shower during the afternoon.
10		26	" " "
11		27	
12	T-Storm around 0630 hr. Lighting 1001 struck very close house and knocked down oak tree. Storm force back on 10:00h. Strong winds.	28	
13		29	
14		30	Brief light shower around 0630 hr.
15		31	showers during the afternoon. A Tornado warning was issued for the area till about 1425 hr.
16			

Part b