

ACON - VA/NC/SC

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

STATION SUMMARY OF CLIMATOLOGICAL DATA - April 2021

OBSERVER: Glen Martin ACON STATION ID: Mechanicville VA.
 (COLUMN S) OBSERVATION TIMES: TEMPS RECORDED AT 1700L PRECIP RECORDED AT 1700L

DENOTATION:	(DATA)	DENOTATION:	(DATA)
A - AVERAGE MAXIMUM TEMPERATURE	71.23	T - TOTAL PRECIPITATION	1.94
B - AVERAGE MINIMUM TEMPERATURE	46.86	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	60.0	U - MAXIMUM CALENDAR DAY PRECIPITATION	1.45
C1 - DEPARTURE OF AVERAGE TEMP	—	U1 DATE MAX CALENDAR DAY PRECIPITATION	15 th 25 th
D - MAXIMUM TEMPERATURE	90	V - MAXIMUM 24-HOUR PRECIPITATION	1.48
E - DATE(S) OF MAXIMUM TEMPERATURE	28 th	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	24 th 25 th
F - MINIMUM TEMPERATURE	28	W - # DAYS PRECIPITATION >= .01"	8
G - DATE(*9S) OF MINIMUM TEMPERATURE	3 rd	X - # DAYS PRECIPITATION >= 1.00"	0
H - # DAYS MAXIMUM TEMPERATURE >= 90°	0	Y - YEARLY PRECIPITATION	8.75
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 (%)	36.06%	3 - # DAYS WITH SNOWFALL >= 1.00"	0
L - MAXIMUM WIND GUST (MPH)	16MPH	4 - TOTAL MONTHLY SNOWFALL	0
M - DIRECTION MAXIMUM WIND GUST	—	5 - TOTAL SNOWFALL FOR 2020-2021	—
N - DATE(S) OF MAXIMUM WIND GUST	1, 2, 3, 4	6 - MAXIMUM BAROMETRIC PRESSURE	30.18
N1 - AVERAGE WIND SPEED (MPH)	8.55MPH	6A - DATE MAXIMUM BAROMETRIC PRESSURE	3 rd
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	29.24
O - # DAYS - THUNDERSTORM	2	7A - DATE MINIMUM BAROMETRIC PRESSURE	11 th
P - # DAYS - HAIL	0	8 - AVERAGE SEA-LEVEL PRESSURE	30.06
Q - # DAYS - GLAZE	0	CWA - YOUR NWS COUNTY WARNING AREA	AKQ
R - # DAYS - ICE PELLETS (SLEET)	0		
R1 - # DAYS - DENSE FOG (<= 1/4 MILE)	1		

WEATHER OBSERVATION DATA

OBSERVER Glenn Martin LOCATION Metairieville, VA
 OBSERVATION TIME 1700h MONTH/YEAR April 2021

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	59	42	51	.32																		
2	50	30	40	0																		
3	60	38	44	0																		
4	78	36	57	0																		
5	77	42	60	0																		
6	82	46	64	0																		
7	76	46	62	0																		
8	76	53	65	0																		
9	80	51	65	0																		
10	81	53	67	0																		
11	82	60	71	.04																		
12	75	59	65	0									X								X	
13	69	51	60	0			X														X	
14	72	41	42	0										X				X		X		
15	69	33	61	.45																	X	
16	68	37	53	.02																	X	
17	71	38	53	0																		
18	69	45	57	0																		
19	60	48	54	0																		
20	77	49	61	.22			X															
21	76	55	66	0														X		X		
22	59	34	47	0																		
23	66	34	50	0																	X	
24	67	37	52	.03																		
25	69	51	60	.45																	X	
26	72	45	60	0																		
27	87	78	82	0																		
28	96	64	79	0																		
29	88	69	79	0																		
30	78	65	72	0																	X	

HIGHEST TEMP AND DATE 90 / 28th
 LOWEST TEMP AND DATE 28 / 3rd
 MONTHLY MEAN TEMP 60.0
 NUMBER OF T-ST DAYS 2

AVG. MO. HIGH 71.23
 AVG. MO. LOW 46.86
 GREATEST 24 HR PRECIP./DATE .48 / 20th
 GREATEST 24 HR SNOWFALL/DATE 0

MO. TOTAL PRECIP. 1.94
 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 Chen Monty LOCATION Mech VA.
 OBSERVATION TIME 1206 MONTH/YEAR April 2021

Additional Observations Sheet

date	observations	date	observations
1	Shower overnight with the early morning.	17	
2		18	
3		19	T-storm during the morning with brief heavy showers
4		20	
5		21	Brief showers during the afternoon. Some
6		22	Thunder just to south of the station
7		23	
8		24	Rain moving in around 1500h
9	Brief light shower around 1800h. Some thunder in the	25	Rain over night
10	DENSE fog about 1/16 of a mile visibility. Precip from evening	26	
11	at 9pm. At 1200h.	27	
12	Shower during the early am.	28	
13	T-storm around 2020h. Heavy rain four and some	29	Brief shower around 1945h
14	sharp cloud to cloud light rain.	30	Brief shower during the night
15	Precip from evening T-storm on the 15th @ 2020h.	31	
16	2000 h precip		
	Precip from evening at 2000. Light and drizzle		
	during the night.		
	Precip from rain and drizzle on the 15th.		

Part b