

ACON - VA/NC/SC

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

STATION SUMMARY OF CLIMATOLOGICAL DATA - March 2021

OBSERVER: GLENN MARTIN ACON STATION ID: MECHANICVILLE VA.
 (COLUMN S) OBSERVATION TIMES: TEMPS RECORDED AT 1700 Hrs - PRECIP RECORDED AT 1700 Hrs

DENOTATION:	(DATA)	DENOTATION:	(DATA)
A - AVERAGE MAXIMUM TEMPERATURE	64.52	T - TOTAL PRECIPITATION	3.65
B - AVERAGE MINIMUM TEMPERATURE	39.77	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	52.09	U - MAXIMUM CALENDAR DAY PRECIPITATION	1.29
C1 - DEPARTURE OF AVERAGE TEMP	—	U1 DATE MAX CALENDAR DAY PRECIPITATION	24TH
D - MAXIMUM TEMPERATURE	80	V - MAXIMUM 24-HOUR PRECIPITATION	1.30
E - DATE(S) OF MAXIMUM TEMPERATURE	11TH	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	24TH, 25TH
F - MINIMUM TEMPERATURE	23	W - # DAYS PRECIPITATION >= .01"	9
G - DATE(*9s) OF MINIMUM TEMPERATURE	8TH	X - # DAYS PRECIPITATION >= 1.00"	1
H - # DAYS MAXIMUM TEMPERATURE >= 90°	0	Y - YEARLY PRECIPITATION	6.81
I - # DAYS MAXIMUM TEMPERATURE <= 32°	0	Z - MAXIMUM CALENDAR DAY SNOWFALL	0
J - # DAYS MINIMUM TEMPERATURE <= 32°	8	1 DATE MAXIMUM CALENDAR DAY SNOWFALL	—
K - # DAYS MINIMUM TEMPERATURE <= 0°	0	2 - # DAYS WITH SNOWFALL (>= TRACE)	0
K1 - AVERAGE RELATIVE HUMIDITY (%)	38.65%	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 2020-2021	4.25"
N - DATE(S) OF MAXIMUM WIND GUST	19TH	6 - MAXIMUM BAROMETRIC PRESSURE	30.26
N1 - AVERAGE WIND SPEED (MPH)	8.41 MPH	6A - DATE MAXIMUM BAROMETRIC PRESSURE	20TH
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	29.35
O - # DAYS - THUNDERSTORM	2	7A - DATE MINIMUM BAROMETRIC PRESSURE	28TH
P - # DAYS - HAIL	0	8 - AVERAGE SEA-LEVEL PRESSURE	29.88
Q - # DAYS - GLAZE	0	CWA - YOUR NWS COUNTY WARNING AREA	AKQ
R - # DAYS - ICE PELLETS (SLEET)	0		
R1 - # DAYS - DENSE FOG (<= 1/4 MILE)	0		

WEATHER OBSERVATION DATA

OBSERVER Glenn Martin LOCATION March, VA.
 OBSERVATION TIME 1700h MONTH/YEAR March/2021

Additional Observations Sheet

date	observations	date	observations
1	Rain ending during mid afternoon	17	Light rain and drizzle during the morning.
2		18	Rain & drizzle. T-storm around 1923 h. Heavy
3		19	Rain, T-storm into the evening.
4		20	Rain overnight heavy at times with some snow mixed in during the late morning.
5		21	
6		22	
7		23	
8		24	Drizzle rain some heavy at times. Some thunder in area.
9		25	Residual precip from the evening of the 24th.
10		26	Light shower overnight.
11		27	Showers moving in around 1630 h.
12	SPRINKLE AROUND 0700 h.	28	Showers moving through area 0830 h. Some light snow fall. Shower during the afternoon. Heavy shower during evening.
13		29	precip from the evening of the 28th.
14		30	
15		31	HEAVY DOWN POUR during the afternoon.
16	SHOWER OVERNIGHT AND SOME DRIZZLE during the AFTERNOON.		

Part b

WEATHER OBSERVATION DATA

OBSERVER Clare Marie LOCATION Mechanicsville, VA
 OBSERVATION TIME 11:00 MONTH/YEAR March 2021

date	MAX TEMP.	MIN TEMP.	AVG TEMP.	TOTAL PRECP.	SNOW FALL	SNOW DEPTH	T-ST	HA	TOR	HUR	SN	SLT	FOG	SW	SL	FL	WD	HDP	DRIZ	RAIN	TROPST	
1	60	50	55	.25																		
2	48	32	40	0																		
3	62	30	46	0																		
4	62	33	49	0																	X	
5	50	32	41	0																		
6	55	25	40	0																		
7	57	25	41	0																		
8	60	23	42	0																		
9	75	31	53	0																		
10	75	35	55	0																		
11	80	46	63	0																		
12	75	57	66	0																		
13	63	30	47	0																		
14	67	31	49	0																		
15	53	36	44	0																		X
16	44	34	39	.18																		
17	53	41	47	.12																		
18	57	48	53	.57																	X	X
19	52	38	45	.47	0	0	X													X	X	X
20	35	29	42	0					X					X				X	X	X	X	X
21	65	30	48	0														X	X	X	X	X
22	68	34	51	0																		
23	69	44	57	0																		
24	59	54	57	1.29																		
25	78	49	64	.01																		
26	87	67	77	0														X	X	X	X	X
27	79	47	63	0																		
28	78	54	66	0																		
29	64	45	55	.15			X															
30	75	39	57	0														X	X	X	X	X
31	75	57	63	.38														X	X	X	X	X

HIGHEST TEMP AND DATE 80 / 11/21

LOWEST TEMP AND DATE 23 / 8/21

MONTHLY MEAN TEMP 52.09

NUMBER OF T-ST DAYS 2

AVG. MO. HIGH 64.52

AVG. MO. LOW 39.79

GREATEST 24 HR PRECIP./DATE 1.30 / 04/2021

GREATEST 24 HR SNOWFALL/DATE 0

MO. TOTAL PRECIP. 3.65

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