

ACON - VA/NC/SC

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

STATION SUMMARY OF CLIMATOLOGICAL DATA - August 2021

OBSERVER: GLEN MARTIN ACON STATION ID: MECHANICSVILLE, VA.
 (COLUMN S) OBSERVATION TIMES: TEMPS RECORDED AT 1700L PRECIP RECORDED AT 1700L

DENOTATION:	(DATA)	DENOTATION:	(DATA)
A - AVERAGE MAXIMUM TEMPERATURE	89.90	T - TOTAL PRECIPITATION	7.10
B - AVERAGE MINIMUM TEMPERATURE	73.87	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	81.16	U - MAXIMUM CALENDAR DAY PRECIPITATION	1.69
C1 - DEPARTURE OF AVERAGE TEMP	—	U1 - DATE MAX CALENDAR DAY PRECIPITATION	16 TH
D - MAXIMUM TEMPERATURE	96	V - MAXIMUM 24-HOUR PRECIPITATION	1.99
E - DATE(S) OF MAXIMUM TEMPERATURE	12 TH	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	16 TH 17 TH
F - MINIMUM TEMPERATURE	64	W - # DAYS PRECIPITATION $\geq .01"$	13
G - DATE(*9S) OF MINIMUM TEMPERATURE	5 TH	X - # DAYS PRECIPITATION $\geq 1.00"$	2
H - # DAYS MAXIMUM TEMPERATURE $\geq 90^\circ$	13	Y - YEARLY PRECIPITATION	29.24
I - # DAYS MAXIMUM TEMPERATURE $\leq 32^\circ$	0	Z - MAXIMUM CALENDAR DAY SNOWFALL	0
J - # DAYS MINIMUM TEMPERATURE $\leq 32^\circ$	0	1 - DATE MAXIMUM CALENDAR DAY SNOWFALL	0
K - # DAYS MINIMUM TEMPERATURE $\leq 0^\circ$	0	2 - # DAYS WITH SNOWFALL (\geq TRACE)	0
K1 - AVERAGE RELATIVE HUMIDITY (%)	65.71%	3 - # DAYS WITH SNOWFALL $\geq 1.00"$	0
L - MAXIMUM WIND GUST (MPH)	18 MPH	4 - TOTAL MONTHLY SNOWFALL	0
M - DIRECTION MAXIMUM WIND GUST	—	5 - TOTAL SNOWFALL FOR 2020-2021	0
N - DATE(S) OF MAXIMUM WIND GUST	13 TH	6 - MAXIMUM BAROMETRIC PRESSURE	30.01
N1 - AVERAGE WIND SPEED (MPH)	6.53 MPH	6A - DATE MAXIMUM BAROMETRIC PRESSURE	15 TH 28 TH
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	29.68
O - # DAYS - THUNDERSTORM	12	7A - DATE MINIMUM BAROMETRIC PRESSURE	12/31 ST
P - # DAYS - HAIL	0	8 - AVERAGE SEA-LEVEL PRESSURE	29.90
Q - # DAYS - GLAZE	0	CWA - YOUR NWS COUNTY WARNING AREA	AKQ
R - # DAYS - ICE PELLETS (SLEET)	0		
R1 - # DAYS - DENSE FOG ($\leq 1/4$ MILE)	1		

WEATHER OBSERVATION DATA

OBSERVER Glen Martin LOCATION McDonoughville, VA.
 OBSERVATION TIME 1700h MONTH/YEAR August 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	84	75	80	.50																		
2	83	67	75	0																		
3	78	66	72	T														X			X	
4	81	69	75	0																		
5	86	67	75	0																		
6	88	66	77	0																		
7	69	67	69	1.15																		
8	88	71	80	0																		
9	92	76	84	0														X			X	
10	92	80	86	0																		
11	95	76	86	0			X															
12	96	75	86	.22			X											X			X	
13	95	73	85	0			X											X			X	
14	97	72	83	1.05			X															
15	86	72	79	1.99			X							X							X	
16	82	72	77	1.69			X														X	
17	87	79	84	.30			X														X	
18	85	80	83	.76			X														X	
19	98	84	87	T			X														X	
20	83	75	79	.45			X														X	
21	86	78	82	0			X							X							X	
22	89	77	83	.05			X														X	
23	91	73	82	0			X															
24	91	78	83	0																		X
25	91	79	83	0																		
26	93	77	85	0																		
27	93	78	86	0																		
28	92	75	85	0																		
29	86	79	80	.18			X										X					
30	91	75	83	0			X											X			X	
31	89	73	80	.77			X						X					X			X	

HIGHEST TEMP AND DATE 96 12th
 LOWEST TEMP AND DATE 64 5th
 MONTHLY MEAN TEMP 84.16
 NUMBER OF T-ST DAYS 12

AVG. MO. HIGH 89.90
 AVG. MO. LOW 73.87

GREATEST 24 HR PRECIP./DATE 2.68/15th/16th MO. TOTAL PRECIP. 7.10
 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

WEATHER OBSERVATION DATA

OBSERVER Clayton LOCATION Mech VA.
 OBSERVATION TIME 1206 MONTH/YEAR August/2021

Additional Observations Sheet

date	observations	date	observations
1	Shower in the early AM hr.	17	PRECIP from evening shower on the 16th.
2		18	BRIEF heavy shower on the 17th Tropical Depression FRED
3	LIGHT RAIN during the morning hr.	19	HEAVY downpour during the night. BRIEF heavy shower during the early afternoon from Tropical Storm FRED
4	BRIEF LIGHT SPRINKLE AROUND 0650 hr.	20	T-STORMS AROUND 0830 AM.
5		21	
6		22	T-STORM AT 1750 hrs from Tropical Storm ANRIE.
7	RAIN heavy at times and around 1530 hr.	23	
8		24	
9		25	
10	T-STORM around 1815 hr.	26	
11	PRECIP from T-STORM on 10th @ 1815 hr T-STORM AT 1850 hr.	27	
12	PRECIP from evening T-STORM on the 11th @ 1830 hr.	28	T-STORM AROUND 2315 hr. Sharp lightning and brief heavy down pour.
13	T-STORM AT 1815 hr. STRONG WINDS.	29	
14	PRECIP from T-STORM on the 13th @ 1815 hr. T-STORM AROUND 1800 hr. T-STORM AT 2345 hr.	30	SOME dense fog. T-STORM AT 1945 hr.
15	SHOWER AT 0400 hr. T-STORM AT 1430 hr.	31	11 feet T-STORM on the 30th at 1945 hr.
16			

Part b