

ACON - VA/NC/SC

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

STATION SUMMARY OF CLIMATOLOGICAL DATA - JULY 2021OBSERVER: GLEN MARTIN ACON STATION ID: MECHANICSVILLE, VA.
(COLUMN S) OBSERVATION TIMES: TEMPS RECORDED AT 1700h PRECIP RECORDED AT 1700h

DENOTATION:	(DATA)	DENOTATION:	(DATA)
A - AVERAGE MAXIMUM TEMPERATURE	90.38	T - TOTAL PRECIPITATION	5.78
B - AVERAGE MINIMUM TEMPERATURE	73.81	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	82.35	U - MAXIMUM CALENDAR DAY PRECIPITATION	2.37
C1 - DEPARTURE OF AVERAGE TEMP	—	U1 DATE MAX CALENDAR DAY PRECIPITATION	2 ND
D - MAXIMUM TEMPERATURE	97	V - MAXIMUM 24-HOUR PRECIPITATION	2.44
E - DATE(S) OF MAXIMUM TEMPERATURE	1 ST	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	1 ST 2 ND
F - MINIMUM TEMPERATURE	59	W - # DAYS PRECIPITATION $\geq .01"$	7
G - DATE(*9s) OF MINIMUM TEMPERATURE	3 RD	X - # DAYS PRECIPITATION $\geq 1.00"$	2
H - # DAYS MAXIMUM TEMPERATURE $\geq 90^\circ$	18	Y - YEARLY PRECIPITATION	22.14
I - # DAYS MAXIMUM TEMPERATURE $\leq 32^\circ$	0	Z - MAXIMUM CALENDAR DAY SNOWFALL	—
J - # DAYS MINIMUM TEMPERATURE $\leq 32^\circ$	0	1 DATE MAXIMUM CALENDAR DAY SNOWFALL	—
K - # DAYS MINIMUM TEMPERATURE $\leq 0^\circ$	0	2 - # DAYS WITH SNOWFALL ($\geq$ TRACE)	—
K1 - AVERAGE RELATIVE HUMIDITY (%)	57%	3 - # DAYS WITH SNOWFALL $\geq 1.00"$	—
L - MAXIMUM WIND GUST (MPH)	22 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	1-4 TH	6 - MAXIMUM BAROMETRIC PRESSURE	30.08
N1 - AVERAGE WIND SPEED (MPH)	4.06 mph	6A - DATE MAXIMUM BAROMETRIC PRESSURE	13 TH
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	29.66
O - # DAYS - THUNDERSTORM	3	7A - DATE MINIMUM BAROMETRIC PRESSURE	2 ND
P - # DAYS - HAIL	0	8 - AVERAGE SEA-LEVEL PRESSURE	28.92
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)	0		

WEATHER OBSERVATION DATA

OBSERVER Glen Minter LOCATION McKeesville, VA
OBSERVATION TIME 1700hr MONTH/YEAR JULY 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	92	73	80	1.01																	
2	94	72	80	2.37			X														
3	92	59	71	0											X			X	X		
4	87	65	76	0															X	X	
5	91	63	74	0																	
6	93	71	80	0																	
7	96	72	84	0																	
8	84	76	80	0.06																	
9	92	80	86	1.22																	
10	89	76	83	0														X		X	
11	92	75	83	0															X		
12	93	78	87	0																	
13	94	78	86	0																	
14	96	78	87	0																	
15	94	72	83	0			X														
16	97	79	88	0																X	
17	96	77	87	0																X	
18	90	77	84	0.08			X								X			X		X	
19	86	71	79	0																	
20	87	71	79	0																	
21	92	75	84	0																	
22	86	73	80	0.38																	
23	87	69	78	0																X	
24	84	72	78	0.36																	
25	91	74	83	0																	
26	90	74	82	0.60																	
27	92	74	83	0			X											X		X	
28	92	81	87	0										X				X		X	
29	92	75	84	0.01																	
30	91	77	84	0																	
31	85	67	77	0																X	

HIGHEST TEMP AND DATE 97 / 15

LOWEST TEMP AND DATE 59 / 30

MONTHLY MEAN TEMP 82.35

NUMBER OF T-ST DAYS 4

AVG. MO. HIGH 90.38

AVG. MO. LOW 73.91

GREATEST 24 HR PRECIP./DATE 2.44 / 15

GREATEST 24 HR SNOWFALL/DATE 0

MO. TOTAL PRECIP. 5.78

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 Glenn Martin LOCATION Mech VA.
OBSERVATION TIME 1206 MONTH/YEAR July 2021

Additional Observations Sheet

date	observations	date	observations
1	T-STORM AROUND 1600 hr. STORM T-STORM 1200 hr.	17	
2	SHARP LIGHTNING AND HEAVY DOWNPOUR. T-STORM AROUND 1200 hr.	18	Rain from T-STORMS on the 17th around 1100 hr. Shower into the night.
3	Rain overnight heavy at times and into day.	19	
4		20	
5		21	HEAVY SHOWER AROUND 1915 hr.
6		22	PRECIP FROM SHOWER ON THE 21ST
7		23	HEAVY SHOWER AROUND 1430 hr.
8	Rain moving in from the 1300 hr from tropical storm ELSA. Rain becomes heavy as ELSA moves through.	24	
9	Rain from tropical storm ELSA. Rain begins by early morning.	25	
10		26	T-STORM AT 1440 hr. SHARP LIGHTNING AND HEAVY DOWNPOUR
11		27	T-STORM JUST TO THE SOUTH
12		28	
13		29	Light shower at 0630 hr.
14	T-STORM IN AREA AROUND 1905 hr. Strong wind.	30	
15	Light shower at 1750 hr.	31	
16			

Part b