

ACON - VA/NC/SC

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

STATION SUMMARY OF CLIMATOLOGICAL DATA - August 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	87.81	T - TOTAL PRECIPITATION	3.83
B - AVERAGE MINIMUM TEMPERATURE	68.61	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	78.58	U - MAXIMUM CALENDAR DAY PRECIPITATION	2.13
C1 - DEPARTURE OF AVERAGE TEMP	—	U1 DATE MAX CALENDAR DAY PRECIPITATION	5 th
D - MAXIMUM TEMPERATURE	98	V - MAXIMUM 24-HOUR PRECIPITATION	2.62
E - DATE(S) OF MAXIMUM TEMPERATURE	4 th , 9 th	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	5 th , 6 th
F - MINIMUM TEMPERATURE	59	W - # DAYS PRECIPITATION $\geq .01"$	6
G - DATE(S) OF MINIMUM TEMPERATURE	18 th , 19 th	X - # DAYS PRECIPITATION $\geq 1.00"$	1
H - # DAYS MAXIMUM TEMPERATURE $\geq 90^\circ$	13	Y - YEARLY PRECIPITATION	24.57
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 (%)	54.68	3 - # DAYS WITH SNOWFALL $\geq 1.00"$	0
L - MAXIMUM WIND GUST (MPH)	16	4 - TOTAL MONTHLY SNOWFALL	0
M - DIRECTION MAXIMUM WIND GUST	—	5 - TOTAL SNOWFALL FOR <u>2021-2022</u>	0
N - DATE(S) OF MAXIMUM WIND GUST	10 th	6 - MAXIMUM BAROMETRIC PRESSURE	30.13
N1 - AVERAGE WIND SPEED (MPH)	4.68	6A - DATE MAXIMUM BAROMETRIC PRESSURE	6 th
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	29.71
O - # DAYS - THUNDERSTORM	3	7A - DATE MINIMUM BAROMETRIC PRESSURE	30 th
P - # DAYS - HAIL	0	8 - AVERAGE SEA-LEVEL PRESSURE	29.89
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 1700 MONTH/YEAR August 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	92	77	85	.55																		
2	95	77	86	T																		
3	95	73	84	0																		
4	98	73	86	T																	X	
5	96	73	85	2.13																	X	
6	96	72	84	.47			X								X			X		X		
7	97	73	85	0			X											X		X		
8	95	76	86	0																	X	
9	98	78	88	0																	X	
10	92	78	86	T																		
11	83	74	79	.55			X															
12	82	69	76	0											X						X	
13	83	59	71	0																		
14	84	62	73	0																		
15	86	62	74	.58																		
16	81	68	75	0																		
17	82	68	75	T																	X	
18	85	59	72	0																		
19	86	64	75	0																	X	
20	85	66	76	0																		
21	82	68	75	.03																		
22	86	70	78	T																		
23	96	69	83	T																	X	
24	97	65	81	5																	X	
25	98	67	83	0																	X	
26	97	67	82	0																		
27	97	68	83	0																		
28	97	68	83	0																		
29	97	68	83	0																		
30	97	68	83	0																		
31	93	68	81	T																		
31	86	68	77	0																	X	

HIGHEST TEMP AND DATE 98 / 4th, 9th AVG. MO. HIGH 87.81
 LOWEST TEMP AND DATE 59 / 18th, 19th AVG. MO. LOW 68.61
 MONTHLY MEAN TEMP 78.58 GREATEST 24 HR PRECIP./DATE 2.13 / 5th MO. TOTAL PRECIP. 3.83
 NUMBER OF T-ST DAYS 3 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

Part a

WEATHER OBSERVATION DATA

OBSERVER Glen Martin LOCATION Mech VA
 OBSERVATION TIME 1206 MONTH/YEAR August 2022

Additional Observations Sheet

date	observations	date	observations
1	PRECIP FROM EVENING SHOWERS OF 7-31	17	SHOWER AROUND 1610 HR.
2	TRACE OF RAIN DURING THE LATE AFTERNOON	18	
3		19	
4	T-STORM CLOSE TO STATION	20	
5	T-STORM AT 1545 HR. T-STORM AT 1700 HR. LOTS OF	21	RAIN BEGINS IN AROUND 1910 HR WITH SOME THUNDER
6	PRECIP FROM EVENING RAIN OF THE SEA. T-STORM	22	SHOWER OVERNIGHT.
7	ARRIVED 1800 HR. TRACE OF RAIN.	23	TRACE OF RAIN AROUND 20:00 HR OF THE 22ND
8		24	
9		25	
10	T-STORM @ 1345 HR. TRACE OF RAIN. T-STORM @ 1900 HR.	26	
11	PRECIP FROM EVENING T-STORMS AT THE 1015. BEGINS	27	
12	SHOWERS DURING EARLY AFTERNOON. 07"	28	
13		29	
14		30	
15	PERIODS RAIN DURING THE MORNING AND INTO THE	31	
16	AFTERNOON		

Part b