

ACON - VA/NC/SC

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

STATION SUMMARY OF CLIMATOLOGICAL DATA - July 2023

OBSERVER: Glen Martin

ACON STATION ID: Mechanicville, VA

(COLUMN 5) OBSERVATION TIMES:

TEMPS RECORDED AT 1700h

PRECIP RECORDED AT 1700h

DENOTATION:	(DATA)	DENOTATION:	(DATA)
A - AVERAGE MAXIMUM TEMPERATURE	91.82	T - TOTAL PRECIPITATION	2.79
B - AVERAGE MINIMUM TEMPERATURE	70.12	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	80.93	U - MAXIMUM CALENDAR DAY PRECIPITATION	1.32
C1 - DEPARTURE OF AVERAGE TEMP	—	U1 DATE MAX CALENDAR DAY PRECIPITATION	16th
D - MAXIMUM TEMPERATURE	98	V - MAXIMUM 24-HOUR PRECIPITATION	1.32
E - DATE(S) OF MAXIMUM TEMPERATURE	27th, 28th, 29th	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	16th
F - MINIMUM TEMPERATURE	63	W - # DAYS PRECIPITATION $\geq .01"$	9
G - DATE(S) OF MINIMUM TEMPERATURE	23rd	X - # DAYS PRECIPITATION $\geq 1.00"$	1
H - # DAYS MAXIMUM TEMPERATURE $\geq 90^\circ$	16	Y - YEARLY PRECIPITATION	23.52
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 (%)	59.40%	3 - # DAYS WITH SNOWFALL $\geq 1.00"$	0
L - MAXIMUM WIND GUST (MPH)	12 MPH	4 - TOTAL MONTHLY SNOWFALL	0
M - DIRECTION MAXIMUM WIND GUST	—	5 - TOTAL SNOWFALL FOR <u>2022-2023</u>	0
N - DATE(S) OF MAXIMUM WIND GUST	9th	6 - MAXIMUM BAROMETRIC PRESSURE	30.07
N1 - AVERAGE WIND SPEED (MPH)	4.43 MPH	6A - DATE MAXIMUM BAROMETRIC PRESSURE	26th
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	29.78
O - # DAYS - THUNDERSTORM	5	7A - DATE MINIMUM BAROMETRIC PRESSURE	19th
P - # DAYS - HAIL	0	8 - AVERAGE SEA-LEVEL PRESSURE	29.92
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 Porter LOCATION Meriden, CT
OBSERVATION TIME 1200 MONTH/YEAR July 2003

date	MAX TEMP	MIN TEMP	AVG TEMP	TOTAL PRECIP	SNOW FALL	SNOW DEPTH	T-ST	HA	TOR	HUR	SN	BLT	FOG	SW	SL	FL	WD	HDP	DRZ	RAIN	TROPST
1	83	65	74	0.13			X											X			
2	83	65	74	0.02			X														
3	83	65	74	0.02																	
4	83	65	74	0.02																	
5	83	65	74	0.02																	
6	83	65	74	0.02																	
7	83	65	74	0.02																	
8	83	65	74	0.02																	
9	83	65	74	0.02																	
10	83	65	74	0.02																	
11	83	65	74	0.02																	
12	83	65	74	0.02																	
13	83	65	74	0.02																	
14	83	65	74	0.02																	
15	83	65	74	0.02																	
16	83	65	74	0.02																	
17	83	65	74	0.02																	
18	83	65	74	0.02																	
19	83	65	74	0.02																	
20	83	65	74	0.02																	
21	83	65	74	0.02																	
22	83	65	74	0.02																	
23	83	65	74	0.02																	
24	83	65	74	0.02																	
25	83	65	74	0.02																	
26	83	65	74	0.02																	
27	83	65	74	0.02																	
28	83	65	74	0.02																	
29	83	65	74	0.02																	
30	83	65	74	0.02																	
31	83	65	74	0.02																	

HIGHEST TEMP AND DATE 98/27/03 27th AVG. MO. HIGH 91.22
LOWEST TEMP AND DATE 63/23/03 23rd AVG. MO. LOW 70.12
MONTHLY MEAN TEMP 80.93
NUMBER OF T-ST DAYS 5

GREATEST 24 HR PRECIP/DATE 1.32/16th MO. TOTAL PRECIP. 2.79
GREATEST 24 HR SNOWFALL/DATE 0 MO. TOTAL SNOWFALL 0
t-st = thunderstorm sit = sleet hdp = heavy down pour hur = hurricane an = snow el = sharp lightning
ha = hail tor = tornado sw = strong winds fl = flooding wd = wind damage drz = drizzle
tropst = tropical storm

Part a

WEATHER OBSERVATION DATA

OBSERVER Clayton LOCATION Meacham
OBSERVATION TIME July MONTH/YEAR July / 2023

Additional Observations Sheet

date	observations	date	observations
1	Trace of rain around 1700 hr. Some Thunder.	17	
2	Some rain during the evening. T-Storm at 1945 hr.	18	
3	Partly from a very T-Storm on the 1st 1945 hr.	19	Light rain in the morning and a light showering
4	T-Storm at 0247 hr.	20	Light rain in the morning and a light shower on the evening of the 19th
5		21	
6	Some Thunder in area	22	
7	" " "	23	
8	T-Storm around 1415 hr.	24	T-Storms around 0830 hr with a heavy shower
9	T-Storm at 1535 hr with heavy down pour	25	
10		26	Very quiet heavy down of rain during the night
11		27	
12		28	
13		29	
14	Light showers overnight into the morning hr.	30	
15		31	Trace of rain around 1645 hr.
16	T-Storm around 0300 hr. Heavy Rain around 12:00 Some Thunder.		

Part b