

# ACON - VA/NC/SC

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

## STATION SUMMARY OF CLIMATOLOGICAL DATA - JUNE 2021

OBSERVER: Glenn 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	88.23	T - TOTAL PRECIPITATION	4.32
B - AVERAGE MINIMUM TEMPERATURE	66.1	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	77.3	U - MAXIMUM CALENDAR DAY PRECIPITATION	2.89
C1 - DEPARTURE OF AVERAGE TEMP	—	U1 DATE MAX CALENDAR DAY PRECIPITATION	11 <sup>th</sup>
D - MAXIMUM TEMPERATURE	99	V - MAXIMUM 24-HOUR PRECIPITATION	3.21
E - DATE(S) OF MAXIMUM TEMPERATURE	30 <sup>th</sup>	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	11 <sup>th</sup> , 12 <sup>th</sup>
F - MINIMUM TEMPERATURE	53	W - # DAYS PRECIPITATION $\geq .01"$	6
G - DATE(*9s) OF MINIMUM TEMPERATURE	24 <sup>th</sup>	X - # DAYS PRECIPITATION $\geq 1.00"$	1
H - # DAYS MAXIMUM TEMPERATURE $\geq 90^\circ$	13	Y - YEARLY PRECIPITATION	16.36
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 (%)	54.2%	3 - # DAYS WITH SNOWFALL $\geq 1.00"$	—
L - MAXIMUM WIND GUST (MPH)	10MPH	4 - TOTAL MONTHLY SNOWFALL	0
M - DIRECTION MAXIMUM WIND GUST	—	5 - TOTAL SNOWFALL FOR <u>2020-2021</u>	—
N - DATE(S) OF MAXIMUM WIND GUST	15 <sup>th</sup>	6 - MAXIMUM BAROMETRIC PRESSURE	30.13
N1 - AVERAGE WIND SPEED (MPH)	3.21MPH	6A - DATE MAXIMUM BAROMETRIC PRESSURE	24 <sup>th</sup>
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	29.52
O - # DAYS - THUNDERSTORM	5	7A - DATE MINIMUM BAROMETRIC PRESSURE	21 <sup>st</sup>
P - # DAYS - HAIL	0	8 - AVERAGE SEA-LEVEL PRESSURE	28.84
Q - # DAYS - GLAZE	0	CWA - YOUR NWS COUNTY WARNING AREA	<b>AKQ</b>
R - # DAYS - ICE PELLETS (SLEET)	0		
R1 - # DAYS - DENSE FOG ( $\leq 1/4$ MILE)	0		



# WEATHER OBSERVATION DATA

OBSERVER Glen Martin LOCATION McDonough VA  
 OBSERVATION TIME 1700h MONTH/YEAR JUNE/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	79	54	67	0																		
2	82	59	71	0																		
3	87	67	76	0																		
4	86	70	78	.41																		
5	93	65	79	0																	X	
6	96	67	82	0																	X	
7	94	71	83	0																	X	
8	95	73	84	0																		
9	91	74	83	0																		
10	92	72	82	1.06			X															
11	83	71	77	2.34			X														X	
12	77	66	72	1.33			X							X				X			X	
13	87	63	75	0																X	X	
14	89	69	79	0																X	X	
15	84	66	75	1.24			X															
16	85	63	74	0										X				X			X	
17	89	59	74	0																		
18	91	55	73	0																		
19	95	69	82	0																		
20	90	73	82	0																		
21	97	79	88	0																		
22	81	66	74	.39			X															
23	80	58	69	0																		
24	82	53	68	0																	X	
25	84	56	70	.21																		
26	89	69	79	0																		
27	94	72	83	0																	X	
28	95	71	83	0																		
29	96	71	84	0																		
30	99	71	85	0																		
31																						

HIGHEST TEMP AND DATE 99 / 30th AVG. MO. HIGH 88.23  
 LOWEST TEMP AND DATE 53 / 24th AVG. MO. LOW 46.7  
 MONTHLY MEAN TEMP 77.3 GREATEST 24 HR PRECIP./DATE 3.21 / 11/10/21 MO. TOTAL PRECIP. 4.32  
 NUMBER OF T-ST DAYS 5 GREATEST 24 HR SNOWFALL/DATE NA MO. TOTAL SNOWFALL NA  
 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  
 tropst = tropical storm

Part a



# WEATHER OBSERVATION DATA

OBSERVER Glen Martin LOCATION Mech VA  
 OBSERVATION TIME 1200h MONTH/YEAR JUNE 2001

## Additional Observations Sheet

date	observations	date	observations
1		17	
2		18	
3	TRACE OF RAIN DURING THE AFTERNOON	19	
4	LIGHT RAIN DURING THE EARLY MORNING Hrs. SHOWER DURING THE LATE AFTERNOON	20	
5	TRACE OF RAIN OVERNIGHT	21	
6		22	SHOWER WITH A T-STORM MOVING THROUGH AT ABOUT 1300 Hrs.
7		23	
8		24	
9	T-STORM AT 1745 Hrs.	25	SHOWER AROUND 1900 Hrs.
10	T-STORM AT 1850 Hrs. HEAVY DOWNPOUR. SEVERE LIGHTNING	26	TRACE OF RAIN AROUND 1930 Hrs.
11	PRECIP FROM T-STORM ON THE 10TH AT 1850 - 2.76" T-STORM AT 1540 Hrs. 1.24"	27	
12	SHOWER OVERNIGHT. TRACE OF RAIN DURING THE DAY.	28	
13		29	
14		30	
15	T-STORM WITH SEVERE LIGHTNING AND HEAVY DOWN- POUR AROUND 0345 Hrs.	31	
16			

Part b