

ACON - VA/NC/SC

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

STATION SUMMARY OF CLIMATOLOGICAL DATA — August 2019OBSERVER: GLENN MARTINACON STATION ID: MECH, VA.

(COLUMN S) OBSERVATION TIMES:

TEMPS RECORDED AT 1700hPRECIP RECORDED AT 1700h

DENOTATION:	(DATA)	DENOTATION:	(DATA)
A - AVERAGE MAXIMUM TEMPERATURE	85.06	T - TOTAL PRECIPITATION	6.70
B - AVERAGE MINIMUM TEMPERATURE	68.48	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	75.87	U - MAXIMUM CALENDAR DAY PRECIPITATION	2.30"
C1 - DEPARTURE OF AVERAGE TEMP	—	U1 DATE MAX CALENDAR DAY PRECIPITATION	21 ST
D - MAXIMUM TEMPERATURE	96	V - MAXIMUM 24-HOUR PRECIPITATION	2.30
E - DATE(S) OF MAXIMUM TEMPERATURE	19 TH	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	21 ST
F - MINIMUM TEMPERATURE	60	W - # DAYS PRECIPITATION $\geq .01$ "	9
G - DATE(*9s) OF MINIMUM TEMPERATURE	30 TH	X - # DAYS PRECIPITATION ≥ 1.00 "	2
H - # DAYS MAXIMUM TEMPERATURE $\geq 90^\circ$	12	Y - YEARLY PRECIPITATION	34.75
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 (%)	60.74	3 - # DAYS WITH SNOWFALL ≥ 1.00 "	0
L - MAXIMUM WIND GUST (MPH)	8	4 - TOTAL MONTHLY SNOWFALL	0
M - DIRECTION MAXIMUM WIND GUST	—	5 - TOTAL SNOWFALL FOR 2018-2019	0
N - DATE(S) OF MAXIMUM WIND GUST	7 TH , 9 TH	6 - MAXIMUM BAROMETRIC PRESSURE	30.02
N1 - AVERAGE WIND SPEED (MPH)	3.66 MPH	6A - DATE MAXIMUM BAROMETRIC PRESSURE	31 ST
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	27.68
O - # DAYS - THUNDERSTORM	10	7A - DATE MINIMUM BAROMETRIC PRESSURE	28 TH
P - # DAYS - HAIL	0	8 - AVERAGE SEA-LEVEL PRESSURE	29.98
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)	4		

WEATHER OBSERVATION DATA

OBSERVER Frank M. M. II LOCATION Mech. Vn
OBSERVATION TIME 7/10/19 MONTH/YEAR August 2019

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	67	80	0																	
2	89	68	76	.98			X								X			X			
3	88	68	76	0																X	
4	92	71	82	0																	
5	89	71	80	.43			X						X		X			X			
6	90	66	78	0									X							X	
7	90	72	81	.86			X								X			X			
8	91	67	79	0											X			X		X	
9	93	68	81	0																	
10	87	65	75	0																	
11	92	65	79	0																	
12	93	68	81	0																	
13	91	75	83	0			X								X			X		X	
14	89	72	81	1.33											X			X		X	
15	87	74	81	.05			X						X							X	
16	87	73	80	.25			X								X					X	
17	91	71	81	0									X							X	
18	93	70	82	0																	
19	96	73	85	0			X														
20	94	73	84	0			X								X			X		X	
21	88	72	80	2.30											X			X		X	
22	92	69	81	0			X								X			X		X	
23	93	75	84	.66			X											X		X	
24	98	65	82	.84														X		X	
25	98	64	81	0																	
26	96	71	84	0																	
27	89	63	76	0																	
28	83	68	76	0																	
29	83	65	74	0																X	
30	87	60	74	0																	
31	89	64	77	0																	

HIGHEST TEMP AND DATE 96 19TH AVG. MO. HIGH 85.06
 LOWEST TEMP AND DATE 60 30TH AVG. MO. LOW 68.48
 MONTHLY MEAN TEMP 75.87 GREATEST 24 HR PRECIP/DATE 2.30/21ST MO. TOTAL PRECIP. 6.70
 NUMBER OF T-ST DAYS 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
 tropst = tropical storm

Part a

WEATHER OBSERVATION DATA

OBSERVER Glenn Morris LOCATION Merch Va.
OBSERVATION TIME 1200 hr MONTH/YEAR August 2019

Additional Observations Sheet

date	observations	date	observations
1		17	DENSE FOG
2	T-STORM 0555 hr. Sharp lightning and heavy rain.	18	
3		19	T-STORM IN AREA.
4		20	T-STORMS DURING EVENING WITH LOT OF LIGHTNING AND HEAVY DOWN DROPS.
5	T-STORM AT 1750 hr. and into the evening.	21	PRECIP FROM T-STORMS ON THE EVENING OF THE 20th
6		22	T-STORM AT 1830 hr.
7	T-STORM 1620 hr. Heavy down pour, sharp lightning.	23	Light rain shower 1830 hr. 33° FRS. and T-STORM on the evening of 23rd. Showers during the evening.
8		24	Light rain during the morning.
9		25	
10		26	
11		27	
12	T-STORM AT 500 hr. Heavy down pour and sharp lightning.	28	Light shower around 1800 hr.
13	T-STORM AT 2200 hr. Heavy down pour and sharp lightning.	29	
14	PRECIP FROM T-STORMS ON THE 30th during the evening hr. Brief shower around 1545 hr.	30	
15	T-STORM FROM 1515 hr. to 1600 hr.	31	
16	T-STORM AT 1420 hr.		

Part b