

ACON - VA/NC/SC

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

STATION SUMMARY OF CLIMATOLOGICAL DATA - September 2019OBSERVER: Glen MartinACON STATION ID: Mechanicsville, VA

(COLUMN S) OBSERVATION TIMES:

TEMPS RECORDED AT 1700hPRECIP RECORDED AT 1700h

DENOTATION:	(DATA)	DENOTATION:	(DATA)
A - AVERAGE MAXIMUM TEMPERATURE	83.73	T - TOTAL PRECIPITATION	1.93
B - AVERAGE MINIMUM TEMPERATURE	65.03	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	74.57	U - MAXIMUM CALENDAR DAY PRECIPITATION	1.70
C1 - DEPARTURE OF AVERAGE TEMP	—	U1 DATE MAX CALENDAR DAY PRECIPITATION	30th
D - MAXIMUM TEMPERATURE	92	V - MAXIMUM 24-HOUR PRECIPITATION	1.75
E - DATE(S) OF MAXIMUM TEMPERATURE	23rd	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	30th
F - MINIMUM TEMPERATURE	47	W - # DAYS PRECIPITATION $\geq .01$ "	2
G - DATE(*9S) OF MINIMUM TEMPERATURE	20th	X - # DAYS PRECIPITATION ≥ 1.00 "	0
H - # DAYS MAXIMUM TEMPERATURE $\geq 90^\circ$	2	Y - YEARLY PRECIPITATION	35.68
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 (%)	53.38%	3 - # DAYS WITH SNOWFALL ≥ 1.00 "	0
L - MAXIMUM WIND GUST (MPH)	17MPH	4 - TOTAL MONTHLY SNOWFALL	0
M - DIRECTION MAXIMUM WIND GUST	—	5 - TOTAL SNOWFALL FOR 2018-2019	—
N - DATE(S) OF MAXIMUM WIND GUST	6th	6 - MAXIMUM BAROMETRIC PRESSURE	30.14
N1 - AVERAGE WIND SPEED (MPH)	5.38MPH	6A - DATE MAXIMUM BAROMETRIC PRESSURE	9th
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	29.58
O - # DAYS - THUNDERSTORM	0	7A - DATE MINIMUM BAROMETRIC PRESSURE	26th
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)	3		

WEATHER OBSERVATION DATA

OBSERVER Greg Montie LOCATION Mech VA
OBSERVATION TIME 7:00pm MONTH/YEAR SEPT 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	86	62	77	0																	
2	87	70	79	0																	
3	86	76	81	0																	
4	90	78	84	0																	
5	79	75	77	0																	
6	74	66	70	.15																	
7	84	59	70	0						X							X			X	
8	85	69	75	0																	
9	83	67	75	0																	
10	—	—	—	—																	
11	—	—	—	—																	
12	—	—	—	—																	
13	—	—	—	—																	
14	80	67	75	.01																	
15	84	70	77	0																	
16	87	65	76	0																	
17	78	67	73	.01																	
18	76	57	67	0																X	
19	73	53	63	0																	
20	78	47	62	0																	
21	87	56	72	0																	
22	90	65	78	0																	
23	92	68	80	0																	
24	80	68	75	0																	
25	83	53	68	0																	
26	93	63	78	.01																	
27	83	65	74	0																X	
28	88	67	78	0																	
29	89	70	80	0																	
30	78	67	73	.75																	
31																				X	

HIGHEST TEMP AND DATE 92/23RD
LOWEST TEMP AND DATE 47/20TH
MONTHLY MEAN TEMP 74.57
NUMBER OF T-ST DAYS 0

AVG. MO. HIGH 83.73
AVG. MO. LOW 65.23

GREATEST 24 HR PRECIP./DATE .75/30TH MO. TOTAL PRECIP. .93
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 Alan Manjar LOCATION MECH, VA
OBSERVATION TIME 10h MONTH/YEAR Sept. 2019

Additional Observations Sheet

date	observations	date	observations
1		17	Light Shower Around 1215 hr.
2		18	
3		19	
4		20	
5		21	
6	Prep for HURRICANE LORIAN	22	
7		23	
8		24	
9		25	
10		26	SHOWER AT 1840 hr.
11		27	
12		28	
13		29	
14		30	RAIN during the AFTERNOON
15		31	
16			

Part b