

ACON - VA/NC/SC

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

STATION SUMMARY OF CLIMATOLOGICAL DATA - MARCH 2019

OBSERVER: GLYN MARTIN ACON STATION ID: MECHANICSVILLE VA
 (COLUMN S) OBSERVATION TIMES: TEMPS RECORDED AT 1700h PRECIP RECORDED AT 1700h

DENOTATION:	(DATA)	DENOTATION:	(DATA)
A - AVERAGE MAXIMUM TEMPERATURE	57.23	T - TOTAL PRECIPITATION	3.73
B - AVERAGE MINIMUM TEMPERATURE	37.55	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	48.94	U - MAXIMUM CALENDAR DAY PRECIPITATION	1.35
C1 - DEPARTURE OF AVERAGE TEMP	—	U1 DATE MAX CALENDAR DAY PRECIPITATION	21 ST
D - MAXIMUM TEMPERATURE	80	V - MAXIMUM 24-HOUR PRECIPITATION	1.39
E - DATE(S) OF MAXIMUM TEMPERATURE	14 TH , 27 TH , 30 TH	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	21 ST , 22 ND
F - MINIMUM TEMPERATURE	22	W - # DAYS PRECIPITATION >=.01"	11
G - DATE(*9S) OF MINIMUM TEMPERATURE	9 TH	X - # DAYS PRECIPITATION >=1.00"	1
H - # DAYS MAXIMUM TEMPERATURE >=90°	0	Y - YEARLY PRECIPITATION	11.71
I - # DAYS MAXIMUM TEMPERATURE <= 32°	0	Z - MAXIMUM CALENDAR DAY SNOWFALL	0
J - # DAYS MINIMUM TEMPERATURE <= 32°	10	1 DATE MAXIMUM CALENDAR DAY SNOWFALL	0
K - # DAYS MINIMUM TEMPERATURE <= 0°	0	2 - # DAYS WITH SNOWFALL (>= TRACE)	0
K1 - AVERAGE RELATIVE HUMIDITY (%)	44.90%	3 - # DAYS WITH SNOWFALL >= 1.00"	0
L - MAXIMUM WIND GUST (MPH)	22 MPH	4 - TOTAL MONTHLY SNOWFALL	0
M - DIRECTION MAXIMUM WIND GUST	—	5 - TOTAL SNOWFALL FOR 2018-2019	12.25
N - DATE(S) OF MAXIMUM WIND GUST	22 ND	6 - MAXIMUM BAROMETRIC PRESSURE	30.23
N1 - AVERAGE WIND SPEED (MPH)	7.86 MPH	6A - DATE MAXIMUM BAROMETRIC PRESSURE	27 TH
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	27.36
O - # DAYS - THUNDERSTORM	0	7A - DATE MINIMUM BAROMETRIC PRESSURE	21 ST
P - # DAYS - HAIL	0	8 - AVERAGE SEA-LEVEL PRESSURE	29.84
Q - # DAYS - GLAZE	0	CWA - YOUR NWS COUNTY WARNING AREA	AKQ
R - # DAYS - ICE PELLETS (SLEET)	0		
R1 - # DAYS - DENSE FOG (<= 1/4 MILE)	0		

WEATHER OBSERVATION DATA

OBSERVER Clean Martin LOCATION Mechanicsville, VA
 OBSERVATION TIME Peak MONTH/YEAR March/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	40	37	39	.10															X	X	
2	51	35	43	.74														X	X	X	
3	48	41	45	0														X	X	X	
4	50	36	43	.54																	
5	49	26	37	0																	
6	41	23	32	0																	
7	49	22	36	0																	
8	47	30	39	.83																X	
9	42	35	39	.89															X	X	
10	66	40	53	.22																X	
11	64	49	56	0																X	
12	58	34	46	0																	
13	69	39	54	0																	
14	80	44	62	0																	
15	78	63	71	T																X	
16	63	45	54	.44																	
17	59	32	45	0																	
18	54	35	45	.13																X	
19	55	28	42	0																	
20	61	39	50	0																	
21	60	44	52	1.35														X	X	X	
22	62	45	54	.24																X	
23	63	37	50	0																	
24	74	35	52	0																	
25	72	47	60	T																X	
26	56	43	50	.12																	
27	58	29	43	0																	
28	70	29	50	0																	
29	80	45	63	0																	
30	80	50	66	0																	
31	66	53	61	T																X	

HIGHEST TEMP AND DATE 80 / 14th 27th 30th AVG. MO. HIGH 57.73
 LOWEST TEMP AND DATE 22 / 7th AVG. MO. LOW 37.55
 MONTHLY MEAN TEMP 48.94 GREATEST 24 HR PRECIP./DATE 1.39 / 21st MO. TOTAL PRECIP. 3.73
 NUMBER OF T-ST DAYS 0 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 Clay Martin LOCATION Mech, VA.
 OBSERVATION TIME 1700h MONTH/YEAR March 2019

Additional Observations Sheet

date	observations	date	observations
1	PERIODS of light to moderate RAIN AND DRIZZLE.	17	
2	PERIODS of moderate to heavy RAIN overnight	18	RAIN moving through during the afternoon.
3	SHOWERS moving in clearing along the coast AT TIMES.	19	HEAVY FROST
4	PRECIP from the 3RD during the evening.	20	
5		21	moderate to heavy RAIN.
6		22	SHOWER AT 1810 hr. STRONG WIND GUSTS
7		23	
8	light to moderate shower during the afternoon	24	
9	light RAIN during the early AM hr.	25	RAIN ending in about 1600 hr.
10	SHOWERS OVERNIGHT	26	PRECIP from evening showers ON THE 25TH
11		27	
12		28	
13		29	
14		30	
15	SHOWERS during the afternoon.	31	
16	PRECIP from the way of 15th.		

Part b