

ACON - VA/NC/SC

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

STATION SUMMARY OF CLIMATOLOGICAL DATA - FEBRUARY 2019

OBSERVER: GLEN MARTIN ACON STATION ID: MECHANICSVILLE VA
 (COLUMN S) OBSERVATION TIMES: TEMPS RECORDED AT 170h PRECIP RECORDED AT 170h

DENOTATION:	(DATA)	DENOTATION:	(DATA)
A - AVERAGE MAXIMUM TEMPERATURE	54.41	T - TOTAL PRECIPITATION	5.05
B - AVERAGE MINIMUM TEMPERATURE	35.22	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	42.81	U - MAXIMUM CALENDAR DAY PRECIPITATION	1.42
C1 - DEPARTURE OF AVERAGE TEMP	—	U1 DATE MAX CALENDAR DAY PRECIPITATION	18 th
D - MAXIMUM TEMPERATURE	73	V - MAXIMUM 24-HOUR PRECIPITATION	1.43
E - DATE(S) OF MAXIMUM TEMPERATURE	5 th 6 th	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	17 th 18 th
F - MINIMUM TEMPERATURE	19	W - # DAYS PRECIPITATION >= .01"	10
G - DATE(*9S) OF MINIMUM TEMPERATURE	15 th 24 th	X - # DAYS PRECIPITATION >= 1.00"	1
H - # DAYS MAXIMUM TEMPERATURE >= 90°	0	Y - YEARLY PRECIPITATION	7.97
I - # DAYS MAXIMUM TEMPERATURE <= 32°	0	Z - MAXIMUM CALENDAR DAY SNOWFALL	1/2
J - # DAYS MINIMUM TEMPERATURE <= 32°	9	1 DATE MAXIMUM CALENDAR DAY SNOWFALL	20 th
K - # DAYS MINIMUM TEMPERATURE <= 0°	0	2 - # DAYS WITH SNOWFALL (>= TRACE)	2
K1 - AVERAGE RELATIVE HUMIDITY (%)	56.74	3 - # DAYS WITH SNOWFALL >= 1.00"	0
L - MAXIMUM WIND GUST (MPH)	20	4 - TOTAL MONTHLY SNOWFALL	.75
M - DIRECTION MAXIMUM WIND GUST	—	5 - TOTAL SNOWFALL FOR 2018-2019	12.25
N - DATE(S) OF MAXIMUM WIND GUST	25 th	6 - MAXIMUM BAROMETRIC PRESSURE	30.53
N1 - AVERAGE WIND SPEED (MPH)	6.26MPH	6A - DATE MAXIMUM BAROMETRIC PRESSURE	9 th
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	29.38
O - # DAYS - THUNDERSTORM	0	7A - DATE MINIMUM BAROMETRIC PRESSURE	24 th
P - # DAYS - HAIL	0	8 - AVERAGE SEA-LEVEL PRESSURE	28.94
Q - # DAYS - GLAZE	0	CWA - YOUR NWS COUNTY WARNING AREA	AKQ
R - # DAYS - ICE PELLETS (SLEET)	2		
R1 - # DAYS - DENSE FOG (<= 1/4 MILE)	0		

WEATHER OBSERVATION DATA

OBSERVER Claw Martin LOCATION Mech, VA
 OBSERVATION TIME 1/20th MONTH/YEAR February/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	33	19	26	.02	T	1/4					X										
2	44	19	32	0																	
3	62	29	46	0																	
4	65	32	49	0																	
5	73	34	55	0																	
6	73	45	59	0																	
7	68	47	57	0																X	
8	70	48	59	0																	
9	43	21	32	0																	
10	47	19	33	0																	
11	40	35	38	.34																	
12	44	36	40	.71															X	X	
13	54	40	47	1.50															X	X	
14	60	30	45	0																	
15	67	50	59	0																	
16	56	35	46	.35	T	T					X	X								X	
17	44	27	36	1.01																	X
18	59	39	49	1.42														X		X	
19	46	30	38	0														X		X	
20	39	31	34	.39	1/2	1/2					X	X								X	X
21	59	34	47	0																X	X
22	51	43	52	1.31																X	X
23	42	40	41	1.56																X	X
24	63	39	51	1.44																X	X
25	58	39	49	0																	
26	63	30	47	0																	
27	48	33	41	0																	
28																					
29																					
30																					
31																					

HIGHEST TEMP AND DATE 73 5th-6th AVG. MO. HIGH 54.41
 LOWEST TEMP AND DATE 19 1st-2nd AVG. MO. LOW 35.22
 MONTHLY MEAN TEMP 42.88 GREATEST 24 HR PRECIP./DATE 1.43 17th MO. TOTAL PRECIP. 5.05
 NUMBER OF T-ST DAYS 0 GREATEST 24 HR SNOWFALL/DATE 1/2 20th MO. TOTAL SNOWFALL .75

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 1901 MONTH/YEAR February/2009

Additional Observations Sheet

date	observations	date	observations
1	SNOW PELLETS during the afternoon Sun DUNT 2 in.	17	light shower in the early afternoon showing heavy during the evening at times.
2		18	Rain heavy at times during the night ending during early morning.
3		19	
4		20	STARTING OFF SNOW WITH SLEET AND CHANGING TO ALL RAIN. 1/2 TOTAL OF SNOW AND SLEET.
5		21	
6		22	SHOWERS AND DRIZZLE overnight. Some heavy drizzle periods.
7		23	PERIOD OF LEFT TO MODERATE RAIN.
8		24	RAIN ENDING BY NOW AND BECOMING SLEET
9		25	
10		26	
11	PERIOD OF RAIN AND DRIZZLE.	27	
12	" " "	28	
13	SHOWERS from the 12th during the evening hrs. Some heavy drizzle periods.	29	
14		30	
15		31	
16	RAIN MIXING WITH SNOW that is all with big flakes changed back to mostly rain. 1/2 SLEET.		

Part b