ACON - VA/NC/SC

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

STATION SUMMARY OF CLIMATOLOGICAL DATA – FEBRUARY 2023

OBSERVER: Glenn Martin ACON STATION ID: Mechanicsville, VA.

(COLUMN S) OBSERVATION TIMES: TEMPS RECORDED AT 1700L PRECIP RECORDED AT 1700L.

DENOTATION:	(DATA)	DENOTATION:	(DATA)
A – AVERAGE MAXIMUM TEMPERATURE	59.07	T - TOTAL PRECIPITATION	2.23
B – AVERAGE MINIMUM TEMPERATURE	38.68	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	49.18	U - MAXIMUM CALENDAR DAY PRECIPITATION	.61
C1 – DEPARTURE OF AVERAGE TEMP	—	U1 DATE MAX CALENDAR DAY PRECIPITATION	12TH
D - MAXIMUN TEMPERATURE	75	V - MAXIMUM 24-HOUR PRECIPITATION	1.18
E - DATE(S) OF MAXIMUM TEMPERATURE	16TH	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	12TH 13TH
F - MINIMUM TEMPERATURE	16	W - # DAYS PRECIPITATION >=.01"	6
G - DATE(*9s) OF MINIMUM TEMPERATURE	4TH	X - # DAYS PRECIPITATION >=1.00"	0
H - # DAYS MAXIMUM TEMPERATURE >=90°	0	Y - YEARLY PRECIPITATION	5.03
I - # DAYS MAXIMUM TEMPERATURE <= 32°	0	Z - MAXIMUM CALENDAR DAY SNOWFALL	T
J - # DAYS MINIMUM TEMPERATURE <= 32°	6	1 DATE MAXIMUM CALENDAR DAY SNOWFALL	2ND
K - # DAYS MINIMUM TEMPERATURE <= 0°	0	2 - # DAYS WITH SNOWFALL (>= TRACE)	0
K1 - AVERAGE RELATIVE HUMIDITY (%)	47.6%	3 - # DAYS WITH SNOWFALL >= 1.00"	0
L - MAXIMUM WIND GUST (MPH)	18MPH	4 - TOTAL MONTHLY SNOWFALL	T
M - DIRECTION MAXIMUM WIND GUST	—	5 - TOTAL SNOWFALL FOR 2022-2023	T
N - DATE(S) OF MAXIMUM WIND GUST	3RD, 16TH & 24TH	6 - MAXIMUM BAROMETRIC PRESSURE	30.37
N1 - AVERAGE WIND SPEED (MPH)	9.64 MPH	6A - DATE MAXIMUM BAROMETRIC PRESSURE	4TH
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	29.51
O - # DAYS - THUNDERSTORM	0	7A - DATE MINIMUM BAROMETRIC PRESSURE	21ST
P - # DAYS - HAIL	0	8 - AVERAGE SEA-LEVEL PRESSURE	29.88
Q - # DAYS - GLAZE	0	CWA - YOUR NWS COUNTY WARNING AREA	AKQ
R - # DAYS - ICE PELLETS (SLEET)	1		
R1 - # DAYS - DENSE FOG (<= 1/4 MILE)	1		

WEATHER OBSERVATION DATA

OBSERVER Glen Martin **LOCATION** Mech VA.
OBSERVATION TIME 1200h **MONTH/YEAR** Feb/2023

Additional Observations Sheet

date	observations	date	observations
1	Night time. Rain. Ending mid morning with some drizzle	17	Light to moderate during the day
2	Snow squalls moving through 7:15 to 9 AM.	18	
3		19	
4		20	
5		21	
6		22	Brief light rain shower around 0800hrs
7		23	
8		24	
9		25	Light rain during the day. Rain showers all with some snow mixed in
10		26	
11		27	Brief light rain during the morning hrs. Shower during the day
12		28	Precip from evening rain on the 27th
13	Light to moderate rain during the day. Rain ending during the evening.	29	
14		30	
15	Light rain shower 8-9:30 AM	31	
16			

Part b

WEATHER OBSERVATION DATA

OBSERVER Glen Martin LOCATION Mechanicsville, VA

OBSERVATION TIME 12 noon MONTH/YEAR Feb 2023

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	42	34	38	.33																	
2	39	30	35	T	T	0															
3	41	35	38	0							X								X	X	
4	35	16	26	0																	
5	33	30	32	0																	
6	39	34	46	0																	
7	57	26	42	0																	
8	70	46	58	0																	
9	73	45	59	0																	
10	70	36	53	0																	
11	53	40	47	0																	
12	41	37	39	.61																	
13	62	34	48	.37																	
14	63	30	47	0																X	
15	71	44	58	T																	
16	75	56	66	0																	
17	64	51	58	.24																X	
18	48	26	37	0																	
19	63	33	48	0																X	
20	61	49	55	0																	
21	71	46	59	0																	
22	66	37	52	T																	
23	80	47	65	0																	
24	78	60	66	0																X	
25	44	30	37	.40																	
26	59	32	46	0								X									
27	57	32	45	T																X	
28	64	43	54	.08																	
29																				X	
30																					
31																					

HIGHEST TEMP AND DATE 75 / 16th

LOWEST TEMP AND DATE 16 / 4th

MONTHLY MEAN TEMP 49.18

NUMBER OF T-ST DAYS 6

AVG. MO. HIGH 59.07

AVG. MO. LOW 38.68

GREATEST 24 HR PRECIP./DATE 1.18 / 12th

GREATEST 24 HR.SNOWFALL/DATE T

MO. TOTAL PRECIP. 2.23

MO. TOTAL SNOWFALL T

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