

ACON - VA,

The Atlantic Coast Observer Network: Virginia,

STATION SUMMARY OF CLIMATOLOGICAL DATA - FEB 20 25OBSERVER: GLENN 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	57.29	T - TOTAL PRECIPITATION	6.64
B - AVERAGE MINIMUM TEMPERATURE	32.11	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	42.11	U - MAXIMUM CALENDAR DAY PRECIPITATION	1.53
C1 - DEPARTURE OF AVERAGE TEMP	—	U1 DATE MAX CALENDAR DAY PRECIPITATION	16 th
D - MAXIMUM TEMPERATURE	71	V - MAXIMUM 24-HOUR PRECIPITATION	2.18
E - DATE(S) OF MAXIMUM TEMPERATURE	4 th	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	15-16 th
F - MINIMUM TEMPERATURE	16	W - # DAYS PRECIPITATION $\geq .01"$	11
G - DATE(*9S) OF MINIMUM TEMPERATURE	22 ND	X - # DAYS PRECIPITATION $\geq 1.00"$	2
H - # DAYS MAXIMUM TEMPERATURE $\geq 90^\circ$	0	Y - YEARLY PRECIPITATION	8.94
I - # DAYS MAXIMUM TEMPERATURE $\leq 32^\circ$	1	Z - MAXIMUM CALENDAR DAY SNOWFALL	2.0
J - # DAYS MINIMUM TEMPERATURE $\leq 32^\circ$	12	1 DATE MAXIMUM CALENDAR DAY SNOWFALL	20 th
K - # DAYS MINIMUM TEMPERATURE $\leq 0^\circ$	0	2 - # DAYS WITH SNOWFALL ($\geq$ TRACE)	3
K1 - AVERAGE RELATIVE HUMIDITY (%)	51.89%	3 - # DAYS WITH SNOWFALL $\geq 1.00"$	3
L - MAXIMUM WIND GUST (MPH)	26 MPH	4 - TOTAL MONTHLY SNOWFALL	5.75
M - DIRECTION MAXIMUM WIND GUST	—	5 - TOTAL SNOWFALL FOR OCT-MARCH	12.36
N - DATE(S) OF MAXIMUM WIND GUST	16 th	6 - MAXIMUM BAROMETRIC PRESSURE	30.37
N1 - AVERAGE WIND SPEED (MPH)	7.2 MPH	6A - DATE MAXIMUM BAROMETRIC PRESSURE	14 th
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	29.06
O - # DAYS - THUNDERSTORM	1	7A - DATE MINIMUM BAROMETRIC PRESSURE	16 th
P - # DAYS - HAIL	0	8 - AVERAGE SEA-LEVEL PRESSURE	29.89
Q - # DAYS - GLAZE	1	CWA - YOUR NWS COUNTY WARNING AREA	AKQ
R - # DAYS - ICE PELLETS (SLEET)	5		
R1 - # DAYS - DENSE FOG ($\leq 1/4$ MILE)	2		

WEATHER OBSERVATION DATA

OBSERVER Glen Martin LOCATION Nebraska Ave. 14.
OBSERVATION TIME 1 July MONTH/YEAR 1963

date	MAX TEMP.	MIN TEMP.	AVG TEMP.	TOTAL PRECIP.	SNOW FALL	SNOW DEPTH	T-ST	HAT	HUR	ISN	BLT	FOG	SW	SL	FL	WD	HDP	DRIZ	RAIN	TROP	ST
1	54	34	44	0.0																	
2	52	32	42	0.0																	
3	50	30	40	0.0																	
4	48	28	38	0.0																	
5	46	26	36	0.0																	
6	44	24	34	0.0																	
7	42	22	32	0.0																	
8	40	20	30	0.0																	
9	38	18	28	0.0																	
10	36	16	26	0.0																	
11	34	14	24	0.0																	
12	32	12	22	0.0																	
13	30	10	20	0.0																	
14	28	8	18	0.0																	
15	26	6	16	0.0																	
16	24	4	14	0.0																	
17	22	2	12	0.0																	
18	20	0	10	0.0																	
19	18	-2	8	0.0																	
20	16	-4	6	0.0																	
21	14	-6	4	0.0																	
22	12	-8	2	0.0																	
23	10	-10	0	0.0																	
24	8	-12	-2	0.0																	
25	6	-14	-4	0.0																	
26	4	-16	-6	0.0																	
27	2	-18	-8	0.0																	
28	0	-20	-10	0.0																	
29	-2	-22	-12	0.0																	
30	-4	-24	-14	0.0																	
31	-6	-26	-16	0.0																	

HIGHEST TEMP AND DATE 71 4/7
LOWEST TEMP AND DATE 16 2/2
MONTHLY MEAN TEMP 48.11
NUMBER OF T-ST DAYS 1

AVG. MO. HIGH 51.29
AVG. MO. LOW 32.11
GREATEST 24 HR PRECIP./DATE 1.31 12/31

GREATEST 24 HR SNOWFALL/DATE 2.0 12/31 MO. TOTAL PRECIP. 6.64
MO. TOTAL SNOWFALL 5.75
t-st = thunderstorm slt = sleet hdp = heavy down pour hur = hurricane an = snow sl = sharp lightning
ha = hail tor = tornado sw = strong winds fl = flooding wd = wind damage drz = drizzle

Part a

WEATHER OBSERVATION DATA

OBSERVER Charles Martin LOCATION Meacham, Va.
OBSERVATION TIME 1200h MONTH/YEAR Feb/2005

Additional Observations Sheet

date	observations	date	observations
1	ARCTIC RAIN EVENING RAIN ON 2/31	17	HIGH WIND 26 MPH GUSTS
2		18	
3		19	SNOW STARTING AROUND 0500 AM,
4		20	SNOW ENDING AROUND 2200 hr ON THE 19th
5		21	
6	PEAK OF LIGHTNING AND THUNDER MOVING THROUGH AND DROPPING. SOME SLEET AROUND 2200h.	22	
7		23	
8	SLEET DURING THE MORNING CHANGING TO RAIN BY NOON 1/2 SLEET	24	
9	PEAK OF EVENING RAIN AT THE 8th AND AT WIKOT. DENSE FOG.	25	
10		26	
11	SNOW STARTING AROUND 0930 hr. SNOW CHANGING TO SLEET DURING THE AFTERNOON.	27	Light shower during the afternoon
12	SLEET AND FREEZING RAIN DURING THE NIGHT CHANGING TO A LIGHT DRIZZLE DURING THE MORNING.	28	
13	POWER OFF FOR 30 min. BECAUSE OF ICE STORM.	29	
14		30	
15	RAIN MOVING IN AROUND 1300h.	31	
16			

Part b