

ACON - VA/NC/SC

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

STATION SUMMARY OF CLIMATOLOGICAL DATA - July 2019

OBSERVER: Glen Martin ACON STATION ID: Mech, VA
 (COLUMN S) OBSERVATION TIMES: _____ TEMPS RECORDED AT 1700h PRECIP RECORDED AT 1700h

DENOTATION:	(DATA)	DENOTATION:	(DATA)
A - AVERAGE MAXIMUM TEMPERATURE	70.06	T - TOTAL PRECIPITATION	6.18
B - AVERAGE MINIMUM TEMPERATURE	70.35	T1 - PRECIPITATION DEPARTURE	—
C - AVERAGE TEMPERATURE	81.74	U - MAXIMUM CALENDAR DAY PRECIPITATION	2.85
C1 - DEPARTURE OF AVERAGE TEMP	—	U1 DATE MAX CALENDAR DAY PRECIPITATION	4/1
D - MAXIMUM TEMPERATURE	100	V - MAXIMUM 24-HOUR PRECIPITATION	3.00
E - DATE(S) OF MAXIMUM TEMPERATURE	20th, 21st	V1 - DATE(S) MAX 24-HOUR PRECIPITATION	4/1, 5/1
F - MINIMUM TEMPERATURE	64	W - # DAYS PRECIPITATION >= .01"	10
G - DATE(*9s) OF MINIMUM TEMPERATURE	25th, 26th, 27th	X - # DAYS PRECIPITATION >= 1.00"	2
H - # DAYS MAXIMUM TEMPERATURE >= 90°	21	Y - YEARLY PRECIPITATION	22.55
I - # DAYS MAXIMUM TEMPERATURE <= 32°	0	Z - MAXIMUM CALENDAR DAY SNOWFALL	0
J - # DAYS MINIMUM TEMPERATURE <= 32°	0	1 DATE MAXIMUM CALENDAR DAY SNOWFALL	0
K - # DAYS MINIMUM TEMPERATURE <= 0°	0	2 - # DAYS WITH SNOWFALL (>= TRACE)	0
K1 - AVERAGE RELATIVE HUMIDITY (%)	51.84%	3 - # DAYS WITH SNOWFALL >= 1.00"	0
L - MAXIMUM WIND GUST (MPH)	8 MPH	4 - TOTAL MONTHLY SNOWFALL	0
M - DIRECTION MAXIMUM WIND GUST	—	5 - TOTAL SNOWFALL FOR 2018-2019	0
N - DATE(S) OF MAXIMUM WIND GUST	22nd	6 - MAXIMUM BAROMETRIC PRESSURE	30.18
N1 - AVERAGE WIND SPEED (MPH)	3.77 MPH	6A - DATE MAXIMUM BAROMETRIC PRESSURE	26th
N2 - DOMINANT WIND DIRECTION	—	7 - MINIMUM BAROMETRIC PRESSURE	29.76
O - # DAYS - THUNDERSTORM	7	7A - DATE MINIMUM BAROMETRIC PRESSURE	11th, 21st
P - # DAYS - HAIL	0	8 - AVERAGE SEA-LEVEL PRESSURE	29.92
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 Alan Martin LOCATION Merch LA
 OBSERVATION TIME 11:15 MONTH/YEAR July 2019

date	MAX TEMP.	MIN TEMP.	AVG TEMP.	TOTAL PRECP.	SNOW FALL	SNOW DEPTH	T-ST	HA	TOR	HUR	SN	SLT	FOG	SW	SL	FL	WD	HDP	DRIZ	RAIN	TROPST
1	88	66	77	0																	
2	96	64	80	0																	
3	98	70	84	0																	
4	96	72	84	2.85			X														
5	94	70	82	.18											X			X			
6	92	74	83	.7			X														
7	93	74	84	.61			X														
8	86	73	80	1.11											X			X			
9	88	65	77	0																	
10	92	66	79	0																	
11	94	72	83	0			X														
12	94	73	84	.59														X			
13	93	72	83	.04																	
14	98	71	85	0																	
15	94	72	83	0																	
16	95	72	84	.7			X														
17	98	74	86	.80											X						
18	97	77	87	.7			X														
19	96	75	86	.46											X			X			
20	100	77	89	0																	
21	100	77	89	0																	
22	97	74	86	.7			X														
23	97	69	83	.52																	
24	85	66	76	.11																	
25	89	64	77	0																	
26	87	64	76	0																	
27	91	64	78	0																	
28	93	67	80	0																	
29	96	67	83	0																	
30	95	70	83	0																	
31	92	70	81	.13			X														

HIGHEST TEMP AND DATE 100/20th + 21st AVG. MO. HIGH 90.06
 LOWEST TEMP AND DATE 64/23rd 2019 AVG. MO. LOW 70.35
 MONTHLY MEAN TEMP 87.74 GREATEST 24 HR PRECIP./DATE 2.85/4th MO. TOTAL PRECIP. 6.18
 NUMBER OF T-ST DAYS 7 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 Glen Martin LOCATION Med Va.
 OBSERVATION TIME 10:10 MONTH/YEAR July 2019

Additional Observations Sheet

date	observations	date	observations
1		17	PRECIP FROM T-STORMS ON THE 16TH. NOT MUCH RAIN.
2		18	T-STORM IN AREA AROUND 1100 hr. T-STORMS INTO THE AREA BY 2000 hr. DOWN AT 2000 hr.
3		19	PRECIP FROM T-STORM ON THE 18TH DURING THE EVENING hr.
4	STRONG T-STORMS 1640 hr. HEAVY DOWN POUR AND SHEEP LIGHTNING	20	
5		21	
6	T-STORMS IN THE AFTERNOON.	22	T-STORMS IN AREA DURING THE EVENING.
7	Brief Shower in the early morning. T-STORMS MOVING IN AROUND 1600 hr.	23	Light to moderate RAIN.
8		24	EVENING RAIN FROM THE 23RD.
9		25	
10		26	
11		27	
12	T-STORMS MOVING IN AROUND 1915 hr. AND INTO THE AREA BY 2000 hr.	28	
13	PRECIP FROM T-STORM ON THE 12TH DURING THE EVENING SHOWER OVER 4:30.	29	
14		30	
15		31	Brief heavy down pour AROUND 1500 hr.
16	T-STORM JUST TO THE NORTH OF STATION AT 1425 hr. T-STORMS INTO THE AREA WITH SQUALLY LIGHTNING POWER OF A BOMB.		

Part b