

March 2008

March was much warmer with near average precipitation but 56% of the month's precipitation occurred on the 4th and 5th. The 2.31 inches of precipitation that occurred in this 24 hour period was the greatest on record for March since 24 hour precipitation records were started in 1997; the previous record was 2.29 inches in 2003. The March total precipitation was 4.11 inches which was the 15th driest March on record in the last 28 years with a departure of only - 0.05 inches. On March 4th between 2215 and 2315 a very intense rainfall occurred for March of 1.21 inches in one hour. The old 17-year record was only 0.86 inches in 1998 (Records since 1991). Between 2240 and 2245 a new five minute rainfall record was also set of 0.27 inches. The old 17-year record was 0.19 inches set in 2005 (Records since 1991).

The average March mean temperature was 47.3 °F a departure of only + 2.3 °F but was the 4th highest in the past 28 years. (Three other years were near this year's average.) The highest temperature was 74 °F on the 28th and the lowest temperature was only 26 °F on the 9th. This 26 °F reading was the second highest March monthly minimum temperature on record in the past 28 years. Only March of 1997 had a higher March minimum temperature of 27 °F. The lowest maximum reading for March was 46 °F on the 9th; the previous 28 year record was only 42 °F set in 2000. Also the lowest daily mean temperature was only 36 °F which was a new 28-year record; the old record was 34 °F in 2006. Only 11 days were freezing or below which was the least since 2002 and only 6 of the past 28 years have had less.

The average total snowfall for March is 2.8 inches and not even a trace of snow occurred this March for the first time since 2002. A trace was recorded in 2004. It is only the third time in the past 28 years that not even a trace of snow was recorded in the month. This was a very poor year for snow lovers.

The minimum barometric pressure this month was 29.26 inches on the 8th which was the lowest pressure recorded in March since 2005 when 29.16 inches was recorded.

The maximum wind gust was 39 mph from the west on the 20th at 0222 hours. March 20th with a wind run of 191.7 miles was the windiest day since April 16, 2007.

There were only 4 daily records set!

March DAILY Records Tied or Broken- (27-Years of records)

0 daily **HIGH** maximum 28-year temperature records for the date

0 daily **LOW** maximum 28-year temperature records for the date

1 daily **HIGH** minimum 28-year temperature record for the date March 4

0 daily **LOW** minimum 28-year temperature records for the date

2 daily **HIGH** range 28-year temperature records for the date March 3, 28

0 daily **LOW** range 28-year temperature records for the date

1 daily **HIGH** 28-year precipitation record for the date March 5

0 daily **HIGH** 28-year snowfall records for the date

PAGE #1																	
MAR. 2008 Annandale (Barcroft Hills Weather Center) 38° 50' 25" N 77° 09' 58" W Stat. #21517 Koontz																	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
2008	TEMP.	TIME	TEMP.	TIME	TEMP.	TEMP.	MEAN	SOIL	SKY	SKY	PRECIP	MAX.1HR	MAX.5M	FROZ.	SNOW ON	START	END
MAR.	MAX.	MAX.	MIN.	MIN.	RANGE	MEAN	CHANGE	TEMP.	AM	PM	MELTED	PRECIP.	PRECIP.	PRECIP.	GROUND	TIME	TIME
Mar-01	49	12:50	31	23:27	18	40.0	7.0	38	0	0	T	T	T			0544	0550
Mar-02	52	14:06	27	06:42	25	39.5	-0.5	40	0	0							
Mar-03	68	14:43	35	00:35	33	51.5	12.0	40	0	1							
Mar-04	71	15:57	56	05:27	15	63.5	12.0	41	2	2	1.73	1.21	0.27			1620	1850
Mar-05	62	00:20	37	23:42	25	49.5	-14.0	47	0	0	0.58	0.54	0.18			0001	0230
Mar-06	57	14:40	30	07:04	27	43.5	-6.0	46	0	1							
Mar-07	48	10:47	34	05:04	14	41.0	-2.5	46	2	2	0.56	0.20	0.03			1258	2125
Mar-08	63	15:30	31	23:57	32	47.0	6.0	45	2	2	0.27	0.08	0.02			0328	0340
Mar-09	46	15:32	26	07:20	20	36.0	-11.0	45	0	0							
Mar-10	50	17:20	27	04:47	23	38.5	2.5	44	0	2	T	T	T			2310	2400
Mar-11	55	15:47	34	07:42	21	44.5	6.0	44	0	1	0.02	0.01	T			0001	0230
Mar-12	58	15:19	36	03:52	22	47.0	2.5	44	1	0							
Mar-13	62	16:11	31	05:57	31	46.5	-0.5	45	0	0							
Mar-14	70	15:32	42	04:47	28	56.0	9.5	45	1	1	0.02	0.01	T			1910	2320
Mar-15	65	15:22	48	23:58	17	56.5	0.5	47	0	1	0.05	0.01	T			0001	0005
Mar-16	53	14:23	40	23:58	13	46.5	-10.0	48	2	1	0.31	0.13	0.03			0001	0930
Mar-17	54	15:48	30	07:08	24	42.0	-4.5	48	0	0							
Mar-18	55	16:58	42	05:45	13	48.5	6.5	47	2	2	T	T	T			0144	0148
Mar-19	67	13:23	50	02:03	17	58.5	10.0	47	2	2	0.40	0.27	0.03			1350	1940
Mar-20	66	00:10	41	23:57	25	53.5	-5.0	48	1	0	0.09	0.09	0.02			0020	0135
Mar-21	58	15:58	36	07:53	22	47.0	-6.5	49	0	0							
Mar-22	53	14:42	37	23:57	16	45.0	-2.0	47	1	2	T	T	T			1121	1125
Mar-23	53	16:11	31	07:49	22	42.0	-3.0	47	0	0							
Mar-24	51	13:05	34	01:36	17	42.5	0.5	47	2	2	T	T	T			1725	1730
Mar-25	55	16:04	30	07:31	25	42.5	0.0	47	0	0							
Mar-26	71	15:45	43	06:20	28	57.0	14.5	47	1	1							
Mar-27	59	15:52	46	23:37	13	52.5	-4.5	48	2	2	0.02	0.01	T			0550	1415
Mar-28	74	10:56	44	02:14	30	59.0	6.5	49	2	2	T	T	T			1215	1220</

PAGE #2		MAR. 2008 Annandale (Barcroft Hills Weather Center) 38° 50' 25" N 77° 09' 58" W Stat. #21517 Koontz																
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
2008	START	END	WIND	MAX.	TIME	MAX.	MIN.	MAX.	MIN.	AVE.	BAR.	BAR.&	MAP	FEAT.	HP.LP.	FRONT	FRONT	FRONT
MAR.	TIME	TIME	RUN	GUST	GUST	RH	RH	BAR.	BAR.	BAR.	CHANGE	PREC.	FEAT.	LOC.	TRACK	DIRCT.	INTEN.	PASSED
Mar-01			116.6	33	1140	73	31	30.21	29.95	30.08	-0.22	29.99	11, 9	AR	NE	NW	AVE	0615
Mar-02			43.4	14	0901	70	24	30.37	30.20	30.29	0.21		9R	ON-VA	EAST			
Mar-03			96.3	24	1428	81	31	30.31	29.94	30.13	-0.16		9	VAC	EAST			
Mar-04	1930	2400	100.6	28	2319	97	64	29.97	29.41	29.69	-0.44	29.65	11, 8	TN	NE	NW	AVE	
Mar-05	0520	0640	110.3	32	0924	97	41	30.09	29.38	29.74	0.05	29.41	11, 9	MS		WEST	AVE	0545
Mar-06			26.0	12	1143	90	41	30.22	30.08	30.15	0.41		9R	PA-WV	NE			
Mar-07			38.8	16	1302	100	77	30.21	29.68	29.95	-0.20	29.98	8	AL	NE			
Mar-08	0402	1120	81.9	37	1555	100	46	29.93	29.26	29.60	-0.35	29.71	8	VA	NNE			
Mar-09			117.3	32	0447	58	30	30.41	29.90	30.16	0.56		9R	TN-GA	NE			
Mar-10			32.4	14	1311	81	37	30.46	30.23	30.35	0.19	30.24	9R	QU-SC	EAST			
Mar-11			28.2	13	1552	98	43	30.24	29.83	30.04	-0.31	30.25	11, 9R	TX-IL	STAT.	WEST	WEAK	0300
Mar-12			74.6	31	1341	92	30	29.97	29.74	29.86	-0.18		24, 9	MS	NE	WNW	WEAK	0400
Mar-13			52.0	22	1407	81	34	30.04	29.78	29.91	0.06		9, 21	VA		SOUTH	WEAK	
Mar-14	2350	2400	34.5	14	1111	91	38	29.83	29.54	29.69	-0.23	29.56	24			SOUTH	WEAK	
Mar-15	0105	0305	49.8	21	1202	93	31	29.81	29.53	29.67	-0.01	29.56	8	NJC	NE			
Mar-16			81.9	27	1621	96	41	30.37	29.70	30.04	0.36	29.73	8	VAC	NE			
Mar-17			52.0	18	0858	67	27	30.60	30.37	30.49	0.45		9	QU	EAST			
Mar-18	1805	1840	68.7	22	1858	64	28	30.51	30.09	30.30	-0.18	30.50	9R	QU-VA	EAST			
Mar-19	2140	2220	70.9	26	2005	95	58	30.09	29.37	29.73	-0.57	29.70	11			WEST	STRONG	
Mar-20			191.7	39	0222	93	29	30.13	29.36	29.75	0.01	29.40	11, 8	CT	NE	WEST	STRONG	0200
Mar-21			77.0	24	1353	61	18	30.23	30.04	30.14	0.39		9R	ON-GA	EAST			
Mar-22	1226	1232	60.4	18	0948	68	35	30.07	29.87	29.97	-0.16	29.94	8	OH	EAST			
Mar-23			41.5	14	1509	66	22	30.22	30.07	30.15	0.18		9	KS	EAST			
Mar-24			24.0	13	1133	68	29	30.25	30.17	30.21	0.07	30.20	9	MEC	EAST			
Mar-25			70.3	24	1650	73	24	30.39	30.09	30.24	0.03		9R	ME-AL	EAST			
Mar-26			62.5	22	1702	55	28	30.09	29.97	30.03	-0.21		9, 11	GAC	EAST	NW	WEAK	
Mar-27			29.7	13	1211	86	45	30.06	29.85	29.96	-0.08	30.08	24			SOUTH	WEAK	
Mar-28	1350	1355	73.8	27	1829	85	41	30.16	29.74	29.95	0.00	29.82	11			NW	WEAK	1515
Mar-29			55.6	17	0214	63	27	30.51	30.16	30.34	0.39		9	MI	NE			
Mar-30			62.5	17	1030	59	38	30.65	30.51	30.58	0.24		9	QU	EAST			
Mar-31			15.3	12	0043	96	59	30.60	30.20	30.40	-0.18	30.01	21			WEST	AVE.	2245
MIN.	TEMPS	TOT.	2040.5	676		2497	1147	937.00	926.01	931.51	0.10	537.73				DATES	EXTREMES	
<=60	31	NUM.	31	31	31	31	31	31	31	31	31	18	WX.	FEAT.		MAX.	TEMP.	3-28
<=55	30	AVE.	65.8	21.81		80.55	37.00	30.23	29.87	30.05	0.00	29.87	LOW	PR.=	7	MIN.	TEMP.	3-09
<=50	30	MAX.	191.7	39		100	77	30.65	30.51	30.58	0.56	30.50	HIGH	PR.=	10	MAX.	MEAN	3-04
<=45	27	MIN.	15.3	12		55	18	29.81	29.26	29.60	-0.57	29.40	ELONG	HP.=	8	MIN.	MEAN	3-09
<=40	21	MEDI	63	22	1302	81	34	30.22	29.90	30.04	0.00	29.88	COLD	FRO.=	7	MAX.	PREC.	3-04
<=30	6	DATE	3-20	0222				DATE	3-30	3-08			WARM	FRO.=	2	MAX.	GUST	3-20
<=25	0	MAX.						MAX.					STAT.	FRO.=	4	MAX.	BAR.	3-30
<=20	0	WIND						BAR.					ALL	HPS.=	0	MIN.	BAR.	3-08

38		Annandale (Barcroft Hills Weather Center) 38° 50' 25" N 77° 09' 58" W Stat. #21517 Koontz		39	
2008		March-2008			
MAR.		REMARKS FOR THE MONTH			
Mar-01	MOSTLY CLEAR TODAY BUT PARTLY CLOUDY FROM 1000-1210 - THE WIND MADE IT FEEL LIKE A CHILLY DAY				
Mar-02	ONLY A FEW CIRRUS UNTIL 1030 THEN PC WITH CIRRUS TILL 1220 AND ALTOCUMULUS FROM 1330-1400 THEN ONLY A FEW CIRRUS TILL SUNSET				
Mar-03	VERY WARM SPRING LIKE DAY AND MOSTLY SUNNY - CIRRUS AFTER 1340-TIED MAX. TEMP. RANGE FOR DATE				
Mar-04	TORNADO WATCH AND FLOOD WATCH ISSUED-NEW 28 YR. REC. HIGH MIN. TEMP. FOR DATE				
Mar-05	MORNING WAS ABOUT 25% CLOUDY BUT BECAME VERY CLEAR AFTER 1330-NEW 28 YR. PRECIP. REC. FOR DATE				
Mar-06	PARTLY CLOUDY IN AFTERNOON WITH ONLY A FEW CIRRUS THAT WERE VERY THIN ALLOWING SUNLIGHT THROUGH THEM				
Mar-07	DRIZZLE AFTER 2010				
Mar-08	2 LOW PRESSURES ONE IN WV & OTHER IN NC-MODERATE AM FOG THAT BECAME HEAVY BET. 0920-1120-3RD RAIN PD. 1200-1250, 4TH 1340-1420, 5TH 1540-1650				
Mar-09	THERE WAS ALSO A DEEP LOW PRESSURE IN ME & 100% SUNSHINE TODAY BUT VERY WINDY				
Mar-10	LIGHT FROST				
Mar-11	AM BARELY CLEAR AND PM WAS BARELY PARTLY CLOUDY-RAIN FROZE ON CAR WINDOWS IN AM				
Mar-12	ABOUT 35% CLOUDY IN AM AND MOSTLY CLEAR BUT WINDY IN PM				
Mar-13	LIGHT FROST BUT A PRETTY MARCH DAY				
Mar-14	WARM SPRING LIKE DAY HERE - BUT A TORNADO HIT ATLANTA, GA TONIGHT				
Mar-15	IT CLEARED OFF EARLY AND WAS A PRETTY MARCH DAY-3RD PD. OF RAIN AT 2021-2400				
Mar-16	MOSTLY CLOUDY UNTIL 1110 THEN PC TILL 1750 THEN BECAME CLEAR				
Mar-17	SOME THIN CIRRUS AT 1620 THAT BECAME THICKER UNTIL SUNSET				
Mar-18	CLOUDY ALL DAY BUT ONLY A FEW SPRINKLES BUT SOME RAIN IN MD AND TO NORTH-4 OTHER MINOR SPRINKLES HERE SO LITTLE THE TIMES AREN'T RECORDED				
Mar-19					
Mar-20	CLOUDS UNTIL 0930 THEN CLEAR THE REST OF DAY-NIMBUS INSTRUMENT REC. 42 MPH WIND GUST				
Mar-21	THE WINDIEST DAY YESTERDAY SINCE APRIL 16, 2007 WHEN RECORD WAS SET-SOME PM CIRRUS				
Mar-22	CLOUDS CAME IN AROUND 1045 AND WAS MOSTLY OR PC REST OF DAY				
Mar-23	VERY LIGHT AM FROST-SOME VERY THIN PM CIRRUS CLOUDS				
Mar-24	VERY LIGHT SPRINKLE TODAY AROUND 1730-A LITTLE SUN THROUGH CIRRUS DURING DAY				
Mar-25	VERY THIN CIRRUS AFTER 1630 BUT A VERY CLEAR AM SKY				
Mar-26	ON AND OFF CLOUDINESS BUT WARMEST SINCE 3-4-2008				
Mar-27	THE FRONT PASSED SOUTH OF ANNANDALE AT 0200 AND BECAME STATIONARY-ON AND OFF LIGHT SPRINKLES DURING DAY				
Mar-28	TODAY WAS WARMEST DAY SINCE 11-22-2007 WHEN IT WAS ALSO 74 °F - NEW 28 YEAR HIGH TEMPERATURE RANGE RECORD FOR THE DATE OF 30 °F				
Mar-29	PARTLY CLOUDY IN AM - PM SKY MOSTLY COVERED WITH THIN CIRRUS ALL AFTERNOON				
Mar-30	SLEET IN RICHMOND, VA THIS MORNING AND DAMP AND CHILLY DAY HERE BUT NO PRECIPITATION				
Mar-31	DRIZZLE OFF AND ON ALL DAY AND THROUGH MIDNIGHT WITH A DAMP AND COOL SOUTH AND SE AIR FLOW OVER THE ANNANDALE AREA.				
DATE	EXTENSION OF LENGTHY DAILY REMARKS				

ACON - VA/NC/SC

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

March 2008

Station summary of Climatological Data

Observer: Lowell L. Koontz

Acon Station ID: Annandale -Weather Center

Observation Times:

Temps Recorded

2400

Precipitation Recorded 2400

TEMPERATURE °F

A	MEAN MAXIMUM	57.90
B	MEAN MINIMUM	36.65
C	MEAN MONTHLY	47.27
C1	MEAN TEMP DEP.	2.26
D	MAXIMUM	74
E	DATE(s) OF MAX.	Mar-28
F	MINIMUM	26
G	DATE(s) OF MIN.	Mar-09
H	# DAYS MAX. > = 90°	0
I	# MAX. < = 32°	0
J	MIN. < = 32°	11
K	MIN. < = 0°	0
K1	AVE RELATIVE HUMIDITY	58.8

WIND MPH

L	MAX. GUST	39
M	DIRECT. OF GUST	WEST
N	DATE	Mar-20
	TIME	0222

NUMBER DAYS WITH -

O	THUNDER	0
P	HAIL	0
Q	GLAZE	0
R	ICE PELLETS (SLEET)	0
R1	DENSE FOG < = 1/4 MILE	1

PRECIPITATION INCHES

T	MONTH TOTAL	4.11
U	CALENDAR DAY MAX.	1.73
U1	DATE OF MAX.	Mar-04
V	24-HR. PERIOD MAX.	2.31
V1	DATE(s) OF MAX. PD.	4 th & 5 th
W	# DAYS > = 0.01"	12
X	# DAYS > = 1.00"	1
Y	YR. TO DATE TOT.	9.54
	MAX. 1 HR. PRECIP.	1.21
	MAX. 5 MIN PRECIP.	0.27

SNOWFALL INCHES

Z	DAILY MAXIMUM	0
1	DATE OF MAX.	
2	DAYS= > TRACE	0
3	DAYS > = 1.0"	0
4	MONTHLY TOTAL	0
5	2007 - '08 SEASON'S TOT.	7.6

BAROMETER

6	MAXIMUM	30.65
6A	DATE	Mar-30
7	MINIMUM	29.26
7A	DATE	Mar-08
8	AVE. MONTHLY PRESSURE	30.05
CWA	NWS COUNTY WARNING AREA	FAIRFAX