

February 2008

February was above average in temperature and precipitation.

The February total precipitation was 3.91 inches which made it the fifth wettest February in the past 28 years. Two days had more than one inch of precipitation on the first and thirteenth and both were precipitation records for the date. The month had ten days with measurable precipitation and a precipitation departure of +0.93 inches.

The mean monthly temperature for February was 38.5 °F which was the highest since 2002 making it the twelfth warmest February in the past 28 years with a +1.3 °F departure in temperature.

The maximum temperature for the month was 73 °F on the 18th the highest in February since 2002 and the warmest February day since February 25th 2000. Only five times in the past 28 years has February had a higher maximum temperature. February had 20 days with the temperature at or below freezing with 19 days being the average and 26 being the record. February had only 2 days that the temperature never went above freezing with 2.7 days being the average and 9 being the record set in 1996. The lowest minimum in February was 14 °F which was recorded on the 11th and the highest minimum in February was 56 °F on the 6th which was the third highest in the past 28 years and the is 60 °F. The 36 °F temperature range on February the 18th was the highest in February since 1999 when 37 °F was recorded; the maximum for the 28 year period is 39 °F. Also the 60.4 °F dew point recorded on the 6th at 2254 was the highest ever recorded in the month of February. (Records since 2003)

February had only 0.6 inches of snow the least since 2004 when 0.1 inches was recorded. Only six of the past 28 Februaries have had less.

February was also the cloudiest February since 2003.

The maximum gust of 44 mph from the WNW on the 10th at 1548 was associated with a cold front.

The maximum barometric pressure was 30.54 inches on the 29th the highest in February since 2005 and the lowest pressure was 29.32 inches on the 26th.

WINTER SEASON 2007-2008

This was the 13th driest winter in the past 28 years.

8.93 inches total seasonal precipitation, the average is 9.46 inches
Departure of -0.53 inches 2002-03 Maximum is 15.74 inches
(28-Years of Data) 2001-02 Minimum is 3.63 inches

This was the 10th warmest winter in the past 28 years.

38.2 °F seasonal mean temperature, the average is 36.5 °
Departure of + 1.7 ° F 2001-02 Maximum is 41.8 °F
(28-Years of Data) 1993-94 Minimum is 31.7 °F

This was the 7th least snowfall DEC.-FEB. past 28 years.

Total snowfall was 7.6 inches the least since 2001-02
The average is 17.5 inches; the max. is 48.8 inches in 1995-96.

There were 10 daily records set -

February DAILY Records Tied or Broken- (28-Years of records)

2 daily HIGH maximum 28-year temperature records for the date	Feb. 6, 7
1 daily LOW maximum 28-year temperature record for the date	Feb. 20
1 daily HIGH minimum 28-year temperature record for the date	Feb. 6
1 daily LOW minimum 28-year temperature record for the date	Feb. 21
1 daily HIGH range 28-year temperature record for the date	Feb. 18
1 daily LOW range 28-year temperature records for the date	Feb. 13
2 daily HIGH 28-year precipitation records for the date	Feb. 1, 13
1 daily HIGH 28-year snowfall record for the date	Feb. 20

PAGE #1	FEB 2008 Annandale (Barcroft Hills Weather Center) 38° 50' 26" 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 FEB	TEMP. MAX.	TIME MAX.	TEMP. MIN.	TIME MIN.	TEMP. RANGE	TEMP. MEAN	MEAN CHANGE	SOIL TEMP.	SKY AM	SKY PM	PRECIP MELTED	MAX.1HR PRECIP.	MAX.5M PRECIP.	FROZ. PRECIP.	SNOW ON GROUND	START TIME	END TIME
Feb-01	44	15:31	33	5:06	11	38.5	5.5	39	2	2	1.76	0.36	0.06			0222	0232
Feb-02	52	15:03	29	5:40	23	40.5	2.0	38	1	1							
Feb-03	58	15:11	30	3:50	28	44.0	3.5	39	1	1							
Feb-04	52	15:28	39	5:58	13	45.5	1.5	39	2	2	0.01	0.01	T			0820	1040
Feb-05	63	13:45	39	4:47	24	51.0	5.5	40	2	2	T	T	T			0704	0711
Feb-06	72	11:40	56	0:14	16	64.0	13.0	43	2	2	0.10	0.10	0.06			0755	0800
Feb-07	60	0:01	34	23:58	26	47.0	-17.0	44	1	0							
Feb-08	51	13:48	31	2:09	20	41.0	-6.0	44	1	0							
Feb-09	56	14:53	34	0:01	22	45.0	4.0	43	2	0	T	T	T			0722	0725
Feb-10	48	13:45	19	23:56	29	33.5	-11.5	42	1	1	0.01	0.01	T			0717	0735
Feb-11	31	14:55	14	7:10	17	22.5	-11.0	42	0	0							
Feb-12	31	22:38	23	7:04	8	27.0	4.5	40	2	2	0.23	0.08	0.02	T	T	1348	2400
Feb-13	37	15:58	29	0:01	8	33.0	6.0	39	2	2	1.22	0.29	0.07			0001	1555
Feb-14	41	15:47	25	6:37	16	33.0	0.0	39	0	0							
Feb-15	57	14:12	32	6:21	25	44.5	11.5	38	2	1							
Feb-16	47	14:44	28	6:58	19	37.5	-7.0	39	0	0							
Feb-17	52	23:53	29	1:39	23	40.5	3.0	40	2	2	T	T	T			1528	1533
Feb-18	73	12:54	37	23:50	36	55.0	14.5	42	1	2	0.10	0.06	0.01			0115	0255
Feb-19	49	14:37	26	23:59	23	37.5	-17.5	42	0	1							
Feb-20	36	14:18	24	3:03	12	30.0	-7.5	40	2	2	0.02	0.01	T	0.6	0.6	1515	1850
Feb-21	36	14:41	17	6:48	19	26.5	-3.5	40	0	1	T	T	T	T	T	2135	2145
Feb-22	34	15:29	27	0:01	7	30.5	4.0	40	2	2	0.33	0.09	0.02	T	T	0145	0215
Feb-23	38	15:56	30	21:57	8	34.0	3.5	39	2	2							
Feb-24	47	14:30	24	6:46	23	35.5	1.5	39	0	2	T	T	T			2020	2025
Feb-25	50	14:24	36	5:55	14	43.0	7.5	40	2	1	T	T	T			0055	0100
Feb-26	49	14:28	38	4:41	11	43.5	0.5	40	2	2	0.13	0.04	0.01			0220	0420
Feb-27	43	0:01	24	23:54	19	33.5	-10.0	41	1	1							
Feb-28	34	14:24	17	6:53	17	25.5	-8.0	40	0	1	T	T	T	T		1215	1217
Feb-29	47	23:12	19	6:34	28	33.0	7.5	39	1	2	T	T	T			0907	0912
TOTAL																	
NUM.	1388.0	41366	843.0	23910	545.0	1115.5	0.0	1170.0	36.0	37.0	3.91	1.05	0.25	0.6	0.6	MAX.	TEMP
AVE.	29	29	29	29	29	29	29	29	29	29	10	10	7	1	1	>=65	2
MAX.	47.86	14:29	29.07	8:28	18.79	38.47	0.00	40.34	1.24	1.28	0.39	0.11	0.04	0.60		>=60	4
MIN.	73	23:53	56	23:59	36	64.0	14.5	CLEAR	7	6	24 Hr.	0.36	0.07	0.6	0.6	>=55	7
>=90°	31	0:01	14	0:01	7	22.5	-17.5	P.CLO.	8	9	1.76	>= 1.00	>= 2.00	Inches	THUNDER	>=50	12
<=32°	0		20					CLO.	14	14	1.76	2	0	Days	0	>=45	18
DATE OF MAX. TEMP.	2-18	DATE OF MIN. TEMP.	2-11	DATE OF WARMEST DAY	2-06	DATE OF COLDEST DAY	2-11	DATE MAX. PREC.	2-01	DATE MAX. SNOW	2-20	>=40	>=30	>=20		21	29

PAGE #2		FEB 2008 Annandale (Barcroft Hills Weather Center) 38° 50' 26" 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 FEB	START TIME	END TIME	WIND RUN	MAX. GUST	TIME GUST	MAX. RH	MIN. RH	MAX. BAR.	MIN. BAR.	AVE. BAR.	BAR. CHANGE	BAR.& PREC.	MAP FEAT.	FEAT. LOC.	HP.LP. TRACK	FRONT DIRCT.	FRONT INTEN.	FRONT PASSED	
Feb-01	0312	1600	46.7	23	0218	100	54	30.47	29.74	30.11	-0.34	30.31	8, 11	IN	NE	WEST	AVE	1545	
Feb-02			27.8	17	1026	96	49	30.30	30.03	30.17	0.06		9R	KY-AL	EAST				
Feb-03			13.0	8	1303	97	45	30.26	30.15	30.21	0.04		9R	VA-GA	EAST				
Feb-04	1620	1730	16.8	10	1243	93	68	30.27	30.12	30.20	-0.01	30.25	21			SOUTH	STRONG		
Feb-05			22.9	19	1355	100	71	30.12	29.80	29.96	-0.23	30.00	8, 21	MI	NE	SOUTH	STRONG	0700	
Feb-06	1455	1508	89.3	27	2346	91	51	29.80	29.39	29.60	-0.37	29.73	8, 11	IL	NE	WEST	AVE.	2330	
Feb-07			91.2	32	1028	76	42	29.98	29.47	29.73	0.13		9R	AR-MS	NE				
Feb-08			14.1	13	1422	85	45	30.07	29.93	30.00	0.27		23			WEST	WEAK	1020	
Feb-09			44.0	20	1214	81	36	30.06	29.78	29.92	-0.08	30.00	11			WEST	WEAK	1915	
Feb-10			141.5	44	1548	88	20	30.21	29.72	29.97	0.04	29.84	11			NW	STRONG	0715	
Feb-11			80.2	26	0031	45	24	30.43	30.21	30.32	0.36		9R	ON-IL	SE				
Feb-12			45.3	14	0607	95	33	30.43	29.95	30.19	-0.13	30.28	8	TN	NE				
Feb-13	1800	1815	58.4	31	2232	99	69	29.95	29.54	29.75	-0.45	29.95	8, 11	NC	NE	WEST	AVE	1815	
Feb-14			91.6	27	0203	74	44	30.23	29.82	30.03	0.28		9R	OH-AL	EAST				
Feb-15			43.9	13	1835	84	33	30.20	30.07	30.14	0.11		11			NW	WEAK	1745	
Feb-16			49.3	13	0124	73	36	30.36	30.20	30.28	0.15		9	IN	EAST				
Feb-17	1913	1933	48.2	14	1047	97	64	30.30	29.70	30.00	-0.28	30.05	21, 8	MO	NE	SOUTH	AVE.		
Feb-18	1400	1620	84.0	21	1501	98	40	29.82	29.49	29.66	-0.34	29.70	11			WEST	AVE	1300	
Feb-19			98.1	32	1617	72	24	30.05	29.80	29.93	0.27		11			NW	AVE	1500	
Feb-20			35.2	19	2023	90	42	30.30	30.02	30.16	0.23	30.02	8	OH	SE				
Feb-21	2220	2235	50.5	16	0052	78	27	30.50	30.27	30.39	0.22	30.36	9R	WI - IN	EAST				
Feb-22	0338	1145	20.3	11	0258	97	58	30.27	29.81	30.04	-0.34	30.27	8	SC	NE				
Feb-23			18.5	12	1634	97	77	30.16	29.84	30.00	-0.04		8	VA	EAST				
Feb-24	2140	2320	29.5	13	2018	88	36	30.26	30.02	30.14	0.14		9R	IN-WA	STAT.				
Feb-25			29.2	18	1342	86	47	30.02	29.89	29.96	-0.19		9	OH	EAST				
Feb-26	0835	1150	41.1	21	2342	97	72	29.89	29.32	29.61	-0.35	29.87	8, 11	IN	NE	WEST	STRONG	2030	
Feb-27			143.7	40	1413	74	45	29.96	29.40	29.68	0.07		8	MEC	NE				
Feb-28			101.5	32	0259	60	37	30.43	29.96	30.20	0.52	30.20	9	AL	EAST				
Feb-29			70.3	20	1513	75	40	30.54	30.06	30.30	0.10	30.16	9R	NJ-NC	EAST				
																EXTREMES		DATE	
MIN.	TEMP	TOT.	1646.1	606		2486	1329	875.64	865.50	870.57	-0.14	480.99				MAX. TEMP.	2-18		
<=60	29	NUM.	29	29	29	29	29	29	29	29	29	16	WX.	FEAT		MIN. TEMP.	2-11		
<=55	28	AVE.	56.8	20.90		85.72	45.83	30.19	29.84	30.02	0.00	30.06	LOW	PR.=	11	MAX. SNOW	2-20		
<=50	28	MAX.	143.7	44		100	77	30.54	30.27	30.39	0.52	30.36	HIGH	PR.=	3	MAX. PREC.	2-01		
<=45	28	MIN.	13	8		45	20	29.80	29.32	29.60	-0.45	29.70	ELONG	HP.=	8	MAX. GUST	2-10		
<=40	28	MED.	47	19	1342	88	44	30.23	29.84	30.03	0.04	30.04	WARM	FRO.=	3	MAX. MEAN	2-06		
<=30	18		DATE	2-10	1548		DATE	2-29	2-26				STAT.	FRO.=	0	MIN. MEAN	2-11		
<=20	5		MAX.				MAX.						ALL	HPS.=	11	MAX. BAR.	2-29		
<=10	0		WIND				BAR.						COLD	FRO.=	9	MIN. BAR.	2-26		

2008
FEBFebruary-2008
REMARKS FOR THE MONTH

Feb-01	JUST A LITTLE GLAZE ON BRICKS AROUND 0700-INTERMITTENT MODERATE TO HEAVY FOG FROM 1100-1530-28 YR. NEW MAX. PRECIP. REC. FOR DATE
Feb-02	HEAVY FROST-SUN THROUGH CIRRUS MUCH OF DAY
Feb-03	VERY HEAVY FROST AND FROZEN DEW-ONLY CLEAR FROM 1005-1210
Feb-04	ABOUT ONE DOZEN PERIODS WITH SPRINKLES TODAY-MAIN 2 PDS. OF PRECIP. LISTED ON OBSERVATION SHEET-WARM FRONT STILL SOUTH OF ANNANDALE
Feb-05	LIGHT AM FOG AND NO VA IS AT TOP OF AN U SHAPED WARM FRONT
Feb-06	A SECOND LOW PRESSURE IS LOCATED IN OH-28 YR. REC. MAX. AND REC. MIN. TEMP. FOR DATE-3RD PD. OF PRECIP. REC. BETWEEN 2230-2335
Feb-07	ALSO A LOW PRESSURE OFF CT COAST-CUMULUS AND STRATOCUMULUS IN AM AND TOTALLY CLEAR AFTER 1510-REC. HIGH MAX. TEMP. FOR DATE OF 60 °F
Feb-08	CLOUDY IN AM UNTIL ABOUT 1030 THEN CLEAR TILL 1300 FOLLOWED BY SCATTERED CLOUDS AFTER 1300
Feb-09	CLOUDY UNTIL 1230 THEN TOTALLY CLEAR UNTIL SCATTERED CLOUDS ARRIVED AT 1630 THEN CLOUDY AGAIN BY 1730
Feb-10	VERY WINDY IN AFTERNOON AND A PD. OF GOLDEN AM SUNLIGHT AT 0710
Feb-11	COLDEST AM SINCE 1-21-2008 AND 2ND COLDEST OF WINTER-100% SUNSHINE TODAY
Feb-12	PRECIP. STARTED AS FREEZING RAIN (GLAZE) AND THEN A LITTLE SLEET
Feb-13	3 LP. - GA, WV, AND NC- NEW 28 YR. MAX. PRECIP. REC. FOR DATE - MAX. GLAZE 0.2 INCHES IN EARLY AM - NEW 28 YR. RECORD LOW TEMP. RANGE FOR THE DATE
Feb-14	VERY SUNNY AND BRIGHT AM BUT WINDY IN EARLY MORNING
Feb-15	WARMEST SINCE FEB. 7TH
Feb-16	ONLY A FEW VERY HIGH THIN CIRRUS CLOUDS IN PM
Feb-17	CLOUDY ALL DAY BUT JUST A FEW SPRINKLES
Feb-18	VERY WARM - 1 °F FROM REC. HIGH MAX. FOR DATE BEFORE COLD FRONTAL PASSAGE-28 YR. REC. HIGH TEMP. RANGE FOR DATE
Feb-19	VERY CLEAR UNTIL 0940 THEN PARTLY CLOUDY TILL NOON-PM WAS PC UNTIL 1610 THEN MOSTLY CLOUDY
Feb-20	SNOW FROM AN ALBERTA CLIPPER-MAX. SNOW I WAS ABLE TO FIND ON INTERNET IN OUR AREA WAS 2.5 INS.-28 YR. REC. LOW MAX. TEMP. FOR DATE
Feb-21	JUST A TRACE OF SNOW FROM SNOW PELLETS MAINLY FROM MIDNIGHT THEN FREEZING RAIN - 28 YR. REC. LOW MIN. TEMPERATURE
Feb-22	PRECIP. AFTER MIDNIGHT WAS MOSTLY RAIN BUT A LITTLE SLEET OCCURRED BET. 0300-0700-LIGHT PM FOG-OTHER PDS. OF RAIN 1400-1410, 1830-2030 - DRIZZLE
Feb-23	LOW PRESSURE IN SW VA IN AM-CLOUDY AND DAMP ALL DAY
Feb-24	TOTALLY CLEAR TILL 1100 THEN CIRRUS CAME IN AND THE SUN WAS SEEN THROUGH TOTAL CIRRUS SKY COVERAGE AFTER 1510
Feb-25	TOTALLY CLOUDY AFTER 1015 THEN PC UNTIL 1725
Feb-26	RAIN PDS. 1220-1430, 1520-1640, 2145-2205
Feb-27	CLEAR TO 0820 THEN PARTLY CLOUDY UNTIL 1630 THEN CLEAR AGAIN UNTIL SUNSET - WINDY DAY MUCH LIKE MARCH
Feb-28	MAX. WIND GUST OF 32 MPH AT 0259 FROM WNW-A FEW JUST DISCERNIBLE SNOW FLURRIES JUST AFTER 1215 - TOTALLY CLEAR UNTIL 1010-PC UNTIL 1130 THEN
Feb-29	MUCH WARMER TODAY AND CLEAR EARLY BUT BECOMING CLOUDIER DURING THE DAY

DATE

EXTENSION OF LENGTHY DAILY REMARKS

Feb - 21	TEMP. FOR DATE
Feb - 28	CLOUDY UNTIL 1320 AND PC UNTIL 1550 THEN CLEAR

ACON - VA/NC/SC

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

February 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	47.86
B	MEAN MINIMUM	29.07
C	MEAN MONTHLY	38.47
C1	MEAN TEMP DEP.	1.3
D	MAXIMUM	73
E	DATE(s) OF MAX.	Feb-18
F	MINIMUM	14
G	DATE(s) OF MIN.	Feb-11
H	# DAYS MAX. > = 90°	0
I	# MAX. < = 32°	2
J	MIN. < = 32°	20
K	MIN. < = 0°	0
K1	AVE RELATIVE HUMIDITY	65.8

WIND MPH

L	MAX. GUST	44
M	DIRECT. OF GUST	WNW
N	DATE	Feb-10
	TIME	1548

NUMBER DAYS WITH -

O	THUNDER	0
P	HAIL	0
Q	GLAZE	3
R	ICE PELLETS (SLEET)	2
R1	DENSE FOG < = 1/4 MILE	1

PRECIPITATION INCHES

T	MONTH TOTAL	3.91
U	CALENDAR DAY MAX.	1.76
U1	DATE OF MAX.	Feb-01
V	24-HR. PERIOD MAX.	1.76
V1	DATE(s) OF MAX. PD.	Feb-01
W	# DAYS > = 0.01"	10
X	# DAYS > = 1.00"	2
Y	YR. TO DATE TOT.	5.43
	MAX. 1 HR. PRECIP.	0.36
	MAX. 5 MIN PRECIP.	0.07

SNOWFALL INCHES

Z	DAILY MAXIMUM	0.6
1	DATE OF MAX.	Feb-20
2	DAYS= > TRACE	5
3	DAYS > = 1.0"	0
4	MONTHLY TOTAL	0.6
5	2007 - '08 SEASON'S TOT.	7.6

BAROMETER

6	MAXIMUM	30.54
6A	DATE	Feb-29
7	MINIMUM	29.32
7A	DATE	Feb-26
8	AVE. MONTHLY PRESSURE	30.02
CWA	NWS COUNTY WARNING AREA	FAIRFAX