

May 2008

May was the wettest May on record in the last 28 years and was below average in temperature.

May's lowest maximum temperature was only 50 °F on May 12th which was the LOWEST monthly maximum every recorded for May; the previous record was 51 °F in 1995, 1996, 2003. The old record low maximum temperature records were set 5-2-1995, 5-7-1996, 5-19-2003. May 12th was a record cold day for May with a daily mean temperature of only 47°F, only May of 1989 was lower by only 0.5 °F. The mean temperature for the May was 64.0 °F which was a - 0.8 °F departure for the month.

The May rainfall 9.90 inches, a +5.77 inch departure, and the previous wettest was 1989 when 9.38 inches was recorded. The 3.51 inches of precipitation in a 24-hour period that fell on the 11th and 12th set a new 24-hour record for May. (Records since 1997) The 2.33 inches in a calendar day on the 12th was also the third greatest for the month of May in the past 28 years.

May's average temperature range was 24.0 °F and was + 3.0 °F above the average for the last 28 years and set a new record by 0.4 °F. This result may be due to the thermometer no longer aspirating after May 4th in preparation for the upcoming move.

The maximum gust of 33 mph from the north on the 21st at 1803 and 33 mph from the NNE on the 22nd at 1043 were the strongest wind gusts recorded for May. The minimum barometer of 29.30 inches on May 12th was the lowest for May since 1984 when 29.28 inches was recorded. The 12th was also the date of the lowest monthly maximum temperature for May. The highest barometric pressure for May was only 30.25 inches on the 28th which was the lowest May monthly maximum since 2001 when 30.16 inches was recorded. Pea size hail recorded in the thunderstorm of May 31st.

SPRING SEASON-

The mean spring temperature was 56.4°F which ranked ninth place from being the coolest in the last 28 years. The total precipitation was 19.61 inches which was the wettest spring in the past 28 years. The previous record was 1983 with 19.19 inches. Also the year 1983 ended up being the third wettest year of the past 28 years.

There were 10 daily records set!

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

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

1 daily **LOW** maximum 28-year temperature record for the date

May – 12

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

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

5 daily **HIGH** range 28-year temperature records for the date

May – 7, 25, 26, 29, 30

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

4 daily **HIGH** 28-year precipitation records for the date

May – 9, 11, 12, 31

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

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
2008 MAY	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	
May-01	70	16:35	43	5:07	27	56.5	5.0	58	2	1	0.03	0.03	0.01			0637	0644	
May-02	86	15:58	53	1:29	33	69.5	13.0	58	1	1								
May-03	84	15:52	60	7:05	24	72.0	2.5	59	1	1	T	T	T			2238	2242	
May-04	76	15:51	54	23:58	22	65.0	-7.0	61	0	0								
May-05	78	15:35	47	5:55	31	62.5	-2.5	61	0	1								
May-06	82	15:08	51	5:43	31	66.5	4.0	61	0	1								
May-07	87	14:27	54	6:30	33	70.5	4.0	61	0	0								
May-08	72	1:03	63	7:15	9	67.5	-3.0	62	2	2	0.84							
May-09	65	0:01	52	23:33	13	58.5	-9.0	62	2	2	1.89							
May-10	67	15:35	50	9:26	17	58.5	0.0	61	2	1	0.23	0.10	0.02					
May-11	61	13:04	46	4:25	15	53.5	-5.0	61	2	2	1.48	0.33	0.02					
May-12	50	0:01	44	4:30	6	47.0	-6.5	59	2	2	2.33	0.34	0.02					
May-13	76	16:30	44	4:36	32	60.0	13.0	57	0	0								
May-14	77	11:57	49	6:09	28	63.0	3.0	59	0	2								
May-15	79	12:00	57	6:00	22	68.0	5.0	60	1	2	0.18	0.18	0.03					
May-16	69	12:24	54	23:43	15	61.5	-6.5	61	2	2	0.79	0.40	0.04					
May-17	80	14:31	49	3:56	31	64.5	3.0	62	0	1	T	T	T			2340	2355	
May-18	71	17:55	53	23:58	18	62.0	-2.5	62	2	2	0.08	0.07	0.02					
May-19	72	15:28	49	3:41	23	60.5	-1.5	61	1	1								
May-20	64	17:56	49	23:53	15	56.5	-4.0	61	2	2	0.60	0.30	0.03					
May-21	74	15:50	47	1:27	27	60.5	4.0	60	1	2	T	T	T					
May-22	72	15:17	46	5:01	26	59.0	-1.5	60	0	1								
May-23	74	14:45	48	2:52	26	61.0	2.0	61	0	1								
May-24	78	16:09	51	5:35	27	64.5	3.5		0	1								
May-25	83	15:50	50	6:09	33	66.5	2.0		0	0								
May-26	89	15:32	55	5:48	34	72.0	5.5		0	0								
May-27	85	13:52	68	5:52	17	76.5	4.5		2	2	T	T	T					
May-28	75	16:30	54	23:57	21	64.5	-12.0		2	1	T	T	T					
May-29	83	15:31	48	6:15	35	65.5	1.0		0	0								
May-30	87	16:30	55	5:06	32	71.0	5.5		0	0								
May-31	89		67	5:42	22	78.0	7.0		2	1	1.45							
TOTAL	2355.0	1718	1610.0	26796	745.0	1982.5	26.5	1388.0	29.0	35.0	9.90	1.75	0.19	0.0	0.0	MAX.	TEMPS	
NUM	31	30	31	31	31	31	31	23	31	31	11	8	8	0	0	>=95	0	
AVE.	75.97	13:46	51.94	8:51	24.03	63.95	0.85	60.35	0.94	1.13	0.90	0.22	0.02	0.00	0.00	>=85	6	
MAX.	89	17:56	68	23:58	35	78.0	13.0	CLEAR	14	7	24 Hr.	0.40	0.04	0.0	0	>=80	11	
MIN.	50	0:01	43	1:27	6	47.0	-12.0	P.CLO.	6	13	3.51	>= 1.00	>= 2.00	Inches	THUNDER	>=75	18	
	>=90°	0	<=32°	0				CLO.	12	11	2.33	4	1	Days	2	>=70	25	
DATE OF MAX.	5-26	DATE OF MIN.	5-01	DATE OF HOTTEST	5-31	DATE OF COOLEST	5-12		DATE MAX.		5-12					>=65	28	
TEMP.	5-31	TEMP.		DAY	5-31	DAY			PREC.							>=60	30	
																>=55	30	

PAGE #2 MAY 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 MAY	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
May-01	1041	1330	23.1	13	1900	90	55	30.16	29.97	30.07	0.01	0.01						
May-02			22.3	16	1619	94	29	30.00	29.87	29.94	-0.13	0.06						
May-03			40.9	21	1344	91	39	29.95	29.78	29.87	-0.07	0.30						
May-04			37.5	24	0947	92	33	30.07	29.83	29.95	0.08	-7.00						
May-05			21.5	13	1131	87	34	30.11	30.00	30.06	0.11	-2.50						
May-06			22.1	16	1140	96	25	30.05	29.96	30.01	-0.05	0.00						
May-07			25.2	17	1657	85	25	30.01	29.77	29.89	-0.12	0.00						
May-08			13.6	13	0102	95	51	29.82	29.72	29.77	-0.12	-3.00						
May-09			24.4	19	1624	100	78	29.74	29.51	29.63	-0.15	-9.00						
May-10			16.9	14	1439	96	51	29.92	29.67	29.80	0.17	0.00						
May-11			47.7	23	2105	100	72	29.92	29.37	29.65	-0.15	-5.00						
May-12			60.5	22	0059	100	93	29.93	29.30	29.62	-0.03	-6.50						
May-13			40.1	14	1147	97	31	30.10	29.93	30.02	0.40	0.00						
May-14			13.2	12	1228	89	37	30.09	29.95	30.02	0.00	0.00						
May-15			17.1	17	1030	91	50	29.96	29.87	29.92	-0.11	0.03						
May-16			61.2	23	1623	97	72	29.87	29.54	29.71	-0.21	-6.50						
May-17			56.0	19	1138	86	32	29.73	29.56	29.65	-0.06	0.00						
May-18			17.8	17	0023	91	62	29.62	29.36	29.49	-0.15	-2.50						
May-19			67.4	29	1422	88	30	29.73	29.52	29.63	0.13	-1.50						
May-20			39.0	26	1520	95	62	29.72	29.41	29.57	-0.06	-4.00						
May-21			36.2	33	1830	94	32	29.65	29.52	29.59	0.02	0.06						
May-22			72.9	33	1043	94	33	29.92	29.64	29.78	0.20	-1.50						
May-23			43.4	21	1357	74	32	30.00	29.91	29.96	0.17	0.00						
May-24			38.7	17	1527	81	31	30.04	29.97	30.01	0.05	0.00						
May-25			23.4	11	1229	81	26	30.15	30.03	30.09	0.09	0.00						
May-26			21.4	19	1639	86	34	30.06	29.85	29.96	-0.14	0.00						
May-27			11.6	12	1736	88	56	29.96	29.87	29.92	-0.04	0.24						
May-28			30.9	20	0217	87	28	30.25	29.96	30.11	0.19	-12.00						
May-29			0.7	10	1351	91	26	30.23	30.09	30.16	0.05	0.00						
May-30						92	45	30.14	29.98	30.06	-0.10	0.00						
May-31						95	55	29.96	29.74	29.85	-0.21	0.24						
MIN.	TEMP	TOT.	946.7	544		2823	1359	928.86	922.45	925.66	-0.20	-60.06						DATES
<=75	31	NUM.	29	29	29	31	31	31	31	31	31	31				MAX.	TEMP.	5-26
<=70	31	AVE.	32.64	18.76		91.06	43.84	29.96	29.76	29.86	-0.01	-1.94				MIN.	TEMP.	5-01
<=65	29	MAX.	72.9	33		100	93	30.25	30.09	30.16	0.40	0.30				MAX.	MEAN	5-31
<=60	28	MIN.	0.7	10		74	25	29.62	29.30	29.49	-0.21	-12.00				MIN.	MEAN	5-12
<=55	26	MERI	25	17	1351	91	34	29.96	29.83	29.92	-0.04	0.00				MAX.	PREC.	5-12
<=50	15	DATE	5-21	1830				DATE	5-28	5-12						MAX.	GUST	5-21
<=45	3	MAX.						MAX.								MAX.	BAR.	5-28
<=40	0		WIND	5-22	1043			BAR.								MIN.	BAR.	5-12

Annandale - Barcroft Hills Weather Center 38° 50' 26" N 77° 09' 58" W Stat. # 21517 Koontz

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**2008
MAY**

**May-2008
REMARKS FOR THE MONTH**

May-01	AM SHOWER MAINLY JUST NORTH OF DC AREA
May-02	MODERATE DEW - 33 DEGREE TEMP. RANGE TODAY
May-03	
May-04	BEAUTIFUL SPRING DAY-REMOVED POWER FROM WEATHER STATION THUS THERMOMETER NO LONGER ASPIRATED WHICH MAY CAUSE MAX. TEMP. TO BE HIGHER ON SUNNY DAYS
May-05	ANOTHER BEAUTIFUL SPRING DAY
May-06	MOSTLY SUNNY AND WARMER-HEAVY AM DEW
May-07	ANOTHER BEAUTIFUL SPRING DAY-TIED 28 YR. REC. HIGH MAX. TEMP. RANGE FOR DATE
May-08	
May-09	TORNADOES IN FREDERICKSBURG, VA AND STAFFORD CO.-NEW 28 YR. PRECIP. REC. FOR DATE
May-10	THE FIRST CLEARING OF SKY TOOK PLACE AT 1500 AND PM ENDED UP ABOUT 60% CLOUDY
May-11	VERY WET MAY-ALREADY ABOUT 4 INS. FOR MONTH-NEW 28 YR. PRECIP. REC. FOR DATE
May-12	THUNDER AROUND 0020-NEW 28 YR. PRECIP. REC. FOR DATE - THE MAX. TEMP. OF 50 °F WAS THE LOWEST MAX. TEMP. REC. IN MAY IN THE PAST 28 YRS.
May-13	
May-14	CLOUDY WITH CIRRUS IN PM
May-15	
May-16	RAIN ENDED EARLY AND COLD FRONT PASSED AROUND 1215
May-17	BEAUTIFUL SPRING DAY-FEW CLOUDS AROUND 1410-1710
May-18	COLD FRONT PASSED AT 1930
May-19	COOL DAY FOR TIME OF SEASON
May-20	RAIN IN AM AND BREEZY AND COOL PM
May-21	VERY COOL MAY DAY AND WINDY IN LATE PM
May-22	VERY HEAVY DEW LAST NIGHT AND WINDY DAY-BECAME PARTLY CLOUDY AT 0900-AM ESTIMATED TO BE 30% CLOUDY
May-23	VERY CLOUDY AM BUT THIN CIRRUS MOST OF PM
May-24	BEAUTIFUL SPRING DAY
May-25	28 YR. REC. HIGH MAX. TEMP. RANGE FOR DATE-ABOUT 98% SUNSHINE ONLY A FEW CIRRUS SO THIN THEY WERE HARDLY VISIBLE
May-26	28 YR. REC. HIGH MAX. TEMP. RANGE FOR DATE-WARM SPRING DAY WITH STRONG SUNLIGHT
May-27	
May-28	EARLY AM SPRINKLES
May-29	28 YR. REC. HIGH MAX. TEMP. RANGE FOR DATE-ALMOST 100% SUNSHINE TODAY
May-30	28 YR. REC. HIGH TEMP. RANGE FOR DATE-FEW SCATTERED PM CUMULUS
May-31	THUNDER HEARD TO NORTH BET. 1100-1130 - THEN AND AFTERNOON THUNDERSTORM WITH PEA SIZE HAIL AND THUNDER

DATE

EXTENSION OF LENGTHY DAILY REMARKS

ACON - VA/NC/SC

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

May 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	75.97
B	MEAN MINIMUM	51.94
C	MEAN MONTHLY	63.95
C1	MEAN TEMP DEP.	-0.8
D	MAXIMUM	89
E	DATE(s) OF MAX.	May-26
F	MINIMUM	43
G	DATE(s) OF MIN.	May-01
H	# DAYS MAX. > = 90°	0
I	# MAX. < = 32°	0
J	MIN. < = 32°	0
K	MIN. < = 0°	0
K1	AVE RELATIVE HUMIDITY	67.5

WIND MPH

L	MAX. GUST	33
M	DIRECT. OF GUST	North, NNE
N	DATE	21 st & 22 nd
	TIME	1803, 1043

NUMBER DAYS WITH -

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

PRECIPITATION INCHES

T	MONTH TOTAL	9.90
U	CALENDAR DAY MAX.	2.33
U1	DATE OF MAX.	May-12
V	24-HR. PERIOD MAX.	3.51
V1	DATE(s) OF MAX. PD.	11 th & 12 th
W	# DAYS > = 0.01"	11
X	# DAYS > = 1.00"	4
Y	YR. TO DATE TOT.	25.04
	MAX. 1 HR. PRECIP.	
	MAX. 5 MIN PRECIP.	

SNOWFALL INCHES

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

BAROMETER

6	MAXIMUM	30.25
6A	DATE	May-28
7	MINIMUM	29.30
7A	DATE	May-12
8	AVE. MONTHLY PRESSURE	29.86
CWA	NWS COUNTY WARNING AREA	FAIRFAX