

May 2005

May was windy and the third coolest and the tenth wettest in the last 25 years. The mean temperature (61.2°F) was – 3.6° F below the average; only 1994 and 2003 were cooler in the last 25 years. May's highest minimum temperature was only 62° F on May 15th which was the second lowest high monthly minimum every recorded for May. The record was 61° F in 1994 (No warm nights). The lowest temperature in May was 37° F on the 3rd that tied for the 3rd lowest temperature on record in May in the past 25 years. Both other occasions when the temperature was lower it was only one degree lower. Also the highest daily mean temperature for May was 71.0 on the 11th which is the lowest on record in the last 25 years. The old record was 72.5° F in 1992.

The May rainfall had a + 0.61 inch departure and the wettest since 2003. The 2.56 inches of rain on the 20th was the second greatest daily rain in May in the past 25 years and the 17th greatest daily rain in the past 25 years. The 24 hour rain total of 2.65 inches was the 15th greatest on record at Annandale – Barcroft Hills Weather Center. On the 14th 0.32 inches of rain fell in five minutes; only one rain in May since 1991 was more intense. In 1995 0.38 inches occurred in five minutes. Also on the 14th storm one lightning strike hit a tree just 2 houses down giving a popping sound and splitting the bark of the tree.

The maximum gust of 28 mph on the 1st and 14th tied for the 5th lowest maximum wind gust recorded for May in the last 25 years. But May's wind run was the highest on record (records since 2002) since many days had a maximum wind gust in the high teens or low twenties. The average daily high wind gust was 18.1 mph the highest on record (records since 1999).

The 17% relative humidity was the lowest recorded in May since 1997 when 16% was recorded. The maximum barometer of 30.58 inches on May 5th was the highest for May since 2001.

SPRING SEASON-

The mean spring temperature was 53.0°F which was the lowest since 1996 and ranked fourth place from the coolest in the last 25 years. The total precipitation was 14.05 inches which was the wettest since 2003 and ranked eighth place from being the wettest in the last 25 years.

There were 8 daily records set!

May DAILY Records Tied or Broken- (25-Years of records)

May had **0** daily **HIGH** maximum 25-year temperature records for the date.

May had **2** daily **LOW** maximum 25-year temperature records for the date. May – 6, 24

May had **0** daily **HIGH** minimum 25-year temperature records for the date.

May had **1** daily **LOW** minimum 25-year temperature records for the date. May – 3

May had **0** daily **HIGH** range 25-year temperature records for the date.

May had **2** daily **LOW** range 25-year temperature records for the date. May – 13, 24

May had **3** daily **HIGH** 25-year precipitation records for the date. May – 14, 20, 24

May had **0** daily **HIGH** 25-year snowfall records for the date.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
2005 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	65	18:14	48	7:03	17	56.5	-4.5	55	1	0	0.13	0.09	0.01			0245	0650
May-02	65	10:33	42	23:59	23	53.5	-3.0	56	1	2	0.02	0.02	0.01			1533	1715
May-03	61	18:14	37	5:28	24	49.0	-4.5	55	0	1							
May-04	62	17:35	46	23:58	16	54.0	5.0	55	2	1	T					0046	0055
May-05	64	15:04	41	6:11	23	52.5	-1.5	55	1	1							
May-06	57	15:37	46	23:51	11	51.5	-1.0	56	2	2							
May-07	70	14:59	41	6:57	29	55.5	4.0	55	0	2							
May-08	78	17:48	51	5:36	27	64.5	9.0	55	0	0							
May-09	81	17:22	50	6:31	31	65.5	1.0	56	0	0							
May-10	78	17:08	51	5:45	27	64.5	-1.0	57	0	0							
May-11	87	17:27	55	4:56	32	71.0	6.5	58	1	1							
May-12	74	10:01	61	23:31	13	67.5	-3.5	60	2	1	T					1110	1120
May-13	64	15:31	55	8:43	9	59.5	-8.0	60	2	2							
May-14	84	16:22	52	4:07	32	68.0	8.5	59	1	1	1.19	0.65	0.32			1751	1825
May-15	71	16:31	62	2:16	9	66.5	-1.5	61	2	2	T					1040	1110
May-16	69	16:08	54	6:37	15	61.5	-5.0	61	0	0							
May-17	71	16:36	48	5:43	23	59.5	-2.0	62	2	1							
May-18	76	17:15	51	5:48	25	63.5	4.0	62	1	0							
May-19	69	13:49	53	5:21	16	61.0	-2.5	62	2	2	0.09	0.08	0.01			2230	2400
May-20	58	0:01	49	23:59	9	53.5	-7.5	60	2	2	2.56	0.42	0.05			0001	1450
May-21	74	17:39	45	5:15	29	59.5	6.0	60	0	1							
May-22	76	17:18	52	6:13	24	64.0	4.5	61	0	1	T					0040	0100
May-23	68	14:04	55	7:48	13	61.5	-2.5	62	2	2	0.12	0.09	0.01			0730	0750
May-24	58	0:19	53	23:53	5	55.5	-6.0	62	2	2	0.73	0.29	0.05			0235	0445
May-25	58	18:46	49	6:01	9	53.5	-2.0	61	2	2	T					1106	1140
May-26	81	17:45	53	5:08	28	67.0	13.5	60	0	1							
May-27	82	16:22	56	5:57	26	69.0	2.0	61	0	1							
May-28	81	12:50	55	5:19	26	68.0	-1.0	63	1	0	T					1339	1345
May-29	79	16:07	52	6:30	27	65.5	-2.5	63	0	1							
May-30	78	14:43	53	5:46	25	65.5	0.0	64	1	2	0.07	0.04	0.02			1627	1750

PAGE #2 MAY 2005 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	
2005 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			98.7	28	1657	100	28	30.05	29.80	29.93	0.10	29.80	9	AR					
May-02			34.5	20	1222	85	32	30.09	29.95	30.02	0.09	29.99	23			WEST	AVE.		
May-03			32.1	14	1206	92	34	30.23	30.08	30.16	0.14		9	OK	EAST				
May-04			19.2	14	2009	85	34	30.47	30.22	30.35	0.19	30.26	23			WEST			
May-05			43.4	16	1345	94	32	30.53	30.41	30.47	0.13		9	NY	EAST				
May-06			37.2	21	1504	79	36	30.41	30.10	30.26	-0.21		8	NCC.	NE				
May-07			66.2	22	1502	79	30	30.10	29.89	30.00	-0.26		8, 11	DE	NE	NW	WEAK	2400	
May-08			85.8	27	1142	70	17	30.02	29.88	29.95	-0.05		8	MA	NE				
May-09			42.4	14	1316	73	26	30.07	29.97	30.02	0.07		9	WV	S				
May-10			57.7	16	1316	92	39	30.10	29.99	30.05	0.03		9	AL	NE				
May-11			21.3	11	1431	90	41	30.05	29.94	30.00	-0.05		23, 9	VAC	SE	WEST	WEAK		
May-12			45.6	16	0314	80	28	30.31	29.98	30.15	0.15	29.77	11, 9	ON	EAST	NORTH	AVE.	0500	
May-13			58.5	15	1301	67	28	30.38	30.19	30.29	0.14		9	QU	SE				
May-14	1950	2100	34.8	28	1803	93	51	30.19	29.81	30.00	-0.29	29.86	9, 11	VAC	EAST	WEST	STRONG		
May-15	1350	1400	26.0	14	1103	96	54	29.89	29.78	29.84	-0.16	29.89	11			NW, W	STRONG	1345	
May-16			52.5	18	1513	95	35	30.08	29.86	29.97	0.13		9	IL	NE				
May-17			23.9	14	1726	83	36	30.18	30.07	30.13	0.16		9	ON	EAST				
May-18			23.6	12	1617	89	27	30.15	30.02	30.09	-0.04		9	ON	SE				
May-19			51.6	18	1004	93	59	30.11	29.96	30.04	-0.05	30.00	21			SOUTH	AVE.		
May-20			78.3	25	1104	97	84	29.97	29.77	29.87	-0.17	29.96	9	VAC	NE				
May-21			60.8	17	2127	96	27	29.97	29.87	29.92	0.05		9	NJC	NE				
May-22	0133	0145	49.0	21	1350	82	33	29.90	29.68	29.79	-0.13	29.90	11			NORTH	WEAK	1815	
May-23	1508	1720	23.2	16	0004	93	55	29.71	29.57	29.64	-0.15	29.69	8	VAC	SOUTH				
May-24	0920	2215	16.5	10	1030	97	86	29.82	29.57	29.70	0.05	29.59	8	NCC.	NE				
May-25	1720	1725	36.1	16	0950	95	71	29.83	29.79	29.81	0.11	29.80	8	NJ	NE				
May-26			85.6	20	1111	92	33	29.79	29.72	29.76	-0.05		9	KY					
May-27			63.2	25	1736	84	27	29.89	29.79	29.84	0.09		11			WEST	WEAK	2330	
May-28			47.5	27	1345	84	34	29.90	29.81	29.86	0.01	29.81	24			SE	WEAK	1340	
May-29			53.5	23	1235	83	31	29.97	29.88	29.93	0.07		9	WV	STAT.				
May-30	2010	2350	15.2	12	1630	94	34	30.01	29.94	29.98	0.05	29.95	9	WV					
May-31			19.5	12	1207	96	29	30.12	29.98	30.05	0.07		9	ON	SE				
MIN.	TEMP	TOT.	1403.4	562		2728	1211	932.29	927.27	929.78	0.23	418.27					EXTREMES		DATES
<=75	31	NUM.	31	31	31	31	31	31	31	31	31	14	WX.	FEAT.			MAX.	TEMP.	5-11
<=70	31	AVE.	45.27	18.13		88.00	39.06	30.07	29.91	29.99	0.01	29.88	LOW	PR.=	6		MIN.	TEMP.	5-03
<=65	31	MAX.	98.7	28		100	86	30.53	30.41	30.47	0.19	30.26	HIGH	PR.=	18		MAX.	MEAN	5-11
<=60	29	MIN.	15.2	10		67	17	29.71	29.57	29.64	-0.29	29.59	ELONG	HP.=	0		MIN.	MEAN	5-03
<=55	28	MERI	43	16	1316	92	34	30.07	29.89	30.00	0.05	29.88	COLD	FRO.=	6		MAX.	PREC.	5-20
<=50	12		DATE	5-01	1657			DATE	5-05	5-23			WARM	FRO.=	1		MAX.	GUST	5-01
<=45	5		MAX.					MAX.					STAT.	FRO.=	1		MAX.	BAR.	5-05
<=40	1		WIND	5-14	1803			BAR.		5-24			ALL	HPS.=	18		MIN.	BAR.	5-23

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

38

39

**2005
MAY**

REMARKS FOR THE MONTH

May-01	CLOUDY UNTIL 0900 THEN CLEAR UNTIL 1030 FOLLOWED BY PC THEN CLEARING IN THE PM WITH LOW REL. HUMIDITY
May-02	BEAUTIFUL START TODAY BUT RAIN BETWEEN 1533-1715 AND CLEARING BY DARK
May-03	25 YR. REC. LOW MIN. TEMP. FOR DATE-NO CLOUDS UNTIL ABOUT 1000 BUT PC BY NOON THEN INCREASING CLOUDS IN PM UNTIL SUNSET
May-04	INSTALLED DAVIS VANTAGE PRO 2 INSTRUMENT AROUND 1600-CLOUDY AM AND PM CLOSE TO BEING CLOUDY
May-05	VERY HEAVY DEW-CIRRUS IN AM AND LOWER CLOUDS IN PM
May-06	25 YR. REC. LOW MAX. TEMP. TODAY
May-07	LOW PRESSURE FAR ENOUGH OFF COAST TO BE OUT OF CLOUD SHIELD
May-08	LOW PRESSURE OFF NEW ENGLAND COAST CAUSING WINDY CONDITIONS BUT 100% SUN AND A BEAUTIFUL MOTHER'S DAY EXCEPT FOR WIND
May-09	100% SUNSHINE AGAIN AND LOW RH AGAIN WITH A VERY DEEP BLUE SKY
May-10	VERY HEAVY DEW WITH A RH INCREASE TODAY BUT STILL A BEAUTIFUL DAY
May-11	UPPER LEVEL DISTURBANCE PASSED JUST TO SOUTH OF HERE-WARMEST SINCE 8/29/2004 WHEN IT WAS ALSO 87°F
May-12	CLOUDY AM AS A COLD FRONT PASSED TO SOUTH BUT TOTALLY CLEAR BY SUNSET
May-13	9 DAYS WITHOUT MEASURABLE RAIN-VERY COOL SPRING DAY-TIED 25 YR. REC. LOW TEMP. RANGE FOR DATE OF 9°F
May-14	PEA SIZE HAIL IN FIRST THUNDERSTORM THAT OCCURRED BETWEEN 1807-1808 WITH MAX. RAIN RATE OF 11.76 INS. AN HOUR- 2ND TS AT 1935-
May-15	2 COLD FRONTS PASSED TODAY TOGETHER THEY WOULD BE CONSIDERED STRONG WITH 1ST FRONTAL PASSAGE AT 1345
May-16	VERY CLEAR WITH DEEP BLUE SKY IN EARLY MORNING AND ONLY A FEW CUMULUS AROUND NOON
May-17	CLOUDY COOL AM BUT CLEARING AND PLEASANT PM AND CLEAR BY SUNSET
May-18	SOME CLOUDS IN AM BUT MOSTLY CONSIDERED A CLEAR AM
May-19	CLEAR EARLY AM -WARM FRONT DID NOT PASS TODAY
May-20	LP MOVED ALMOST OVER DC AREA TODAY GIVING RECORD RAINFALL FOR DATE OF 2.56 INS. -2ND GREATEST CALENDAR DAY RAINFALL EVER
May-21	CUMULUS CLOUDS IN PM BUT CLEAR COOL AM
May-22	BEAUTIFUL SPRING MORNING WITH ONLY A FEW PRETTY PM CUMULUS CLOUDS
May-23	ALSO A LP IN OHIO AND A FEW SPRINKLES OCCURRED AT 0008
May-24	NEW 25 YR. RECORD LOW MAX. TEMP. FOR THE DATE BY 5° F - 25 YR. RECORD LOW TEMP. RANGE - 25 YR. RECORD MAX. PRECIP. FOR DATE
May-25	ALSO THE LP OFF NC YESTERDAY IS NOW FAR OFF THE COAST OF VA-VERY COOL MAY DAY
May-26	LARGE TEMP. RANGE INCREASE AND RH DECREASE TODAY AS COMPARED TO YESTERDAY
May-27	CUMULUS CLOUDS FROM AROUND 1130-1500
May-28	WEAK STATIONARY FRONT OVER NO. VA. GIVING A FEW SPRINKLES WITH COLD FRONT PASSAGE AT 1340 THEN A WINDY AFTERNOON
May-29	VERY HEAVY DEW WITH A CLEAR AM AND BEAUTIFUL LATE MAY DAY
May-30	LATE AFTERNOON SPRINKLES AND VERY LIGHT SHOWERS AT NIGHT BETWEEN 2010 AND 2350
May-31	LIGHT GROUND FOG - FEW CUMULUS FROM NOON TO 1500

DATE

EXTENSION OF LENGTHY DAILY REMARKS

May-08	LOWEST MAY RH SO FAR OF 17% ON DAVIS INSTRUMENT AND THE NIMBUS MIN. WAS 20%
May-14	2015-ONE LIGHTNING STRIKE HIT A TREE JUST 2 HOUSES DOWN GIVING A POPPING SOUND AND SPLITTING THE BARK OF THE TREE -RAIN INTENSITY IN 2ND STORM OF 8.73 INS. AN HOUR WITH 0.26 INS. IN 5 MINS. AND 0.54 INS. IN AN HOUR AND WINDS OF 25 MPH
May-20	REC. IN MAY AND 17TH GREATEST CALENDAR DAY RAIN SINCE RECORDS STARTED IN 1979

ACON - VA/NC/SC

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

May 2005

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	71.65
B	MEAN MINIMUM	50.68
C	MEAN MONTHLY	61.16
C1	MEAN TEMP DEP.	-3.6
D	MAXIMUM	87
E	DATE(s) OF MAX.	May-11
F	MINIMUM	37
G	DATE(s) OF MIN.	May-03
H	# DAYS MAX. > = 90°	0
I	# MAX. < = 32°	0
J	MIN. < = 32°	0
K	MIN. < = 0°	0
K1	AVE RELATIVE HUMIDITY	63.5

WIND MPH

L	MAX. GUST	28
M	DIRECT. OF GUST	WSW, NNE
N	DATE	1 ST & 14 TH
	TIME	1657 & 1103

NUMBER DAYS WITH -

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

PRECIPITATION INCHES

T	MONTH TOTAL	4.91
U	CALENDAR DAY MAX.	2.56
U1	DATE OF MAX.	May-20
V	24-HR. PERIOD MAX.	2.65
V1	DATE(s) OF MAX. PD.	19 TH & 20 TH
W	# DAYS > = 0.01"	8
X	# DAYS > = 1.00"	2
Y	YR. TO DATE TOT.	19.86
	MAX. 1 HR. PRECIP.	0.65
	MAX. 5 MIN PRECIP.	0.32

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	2004 - '05 SEASON'S TOT.	21.1

BAROMETER

6	MAXIMUM	30.53
6A	DATE	May-05
7	MINIMUM	29.57
7A	DATE	23 RD & 24 TH
8	AVE. MONTHLY PRESSURE	29.99
CWA	NWS COUNTY WARNING AREA	FAIRFAX