
PAGE #2		FEB 2002 Annandale (Barcroft Hills Weather Center) 38° 50' 26" N 77° 09' 56" W Stat. # 21517 Koontz																				
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37				
2002 FEB	START TIME	END TIME	WIND DOT AVE	MAX. SUNRISE	MAX. SUNSET	MAX.RH. SUNRISE	MIN.RH. SUNSET	MAX. BAR.	MIN. BAR.	AVE. BAR.	BAR. CHANGE	BAR.& PREC.	MAP FEAT.	FEAT. LOC#	HP.LP TRACK	FRONT DIRCT.	FRONT INTEN.	FRONT PASS.				
Feb-01	1530	1535	61	8	28	100	27	30.06	29.65	29.86	-0.37	29.66	11			WEST	STRONG	1600				
Feb-02			22	41	24	47	28	30.40	30.12	30.26	0.41		9R	TX-IL	NE							
Feb-03			1	4	14	75	34	30.39	29.95	30.17	-0.09		9R	TN-DL	NE							
Feb-04	1156	1220	65	8	42	94	33	30.20	29.77	29.99	-0.19	29.83	11			NW	STRONG	1245				
Feb-05			44	37	11	58	24	30.39	30.20	30.30	0.31		9	KY	SE							
Feb-06			2	14	13	60	26	30.30	30.15	30.23	-0.07		8	FL	NE							
Feb-07			1	7	11	100	33	30.15	29.84	30.00	-0.23	30.13	8	NCC	NE							
Feb-08			12	10	18	97	25	30.16	29.93	30.05	0.05		9	LA	NE							
Feb-09			6	17	15	68	31	30.49	30.18	30.34	0.29		11			NORTH	AVE	1500				
Feb-10	1300	1600	3	10	6	100	86	30.49	29.80	30.15	-0.19	30.38	8	IL	NE							
Feb-11			56	37	36	96	22	30.24	29.76	30.00	-0.15	29.79	8		EAST							
Feb-12			11	12	17	69	24	30.25	29.84	30.05	0.05		9	NC	NE							
Feb-13			32	17	24	69	28	30.36	29.99	30.18	0.13		11			NW	AVE.	1800				
Feb-14			4	10	11	74	25	30.49	30.36	30.43	0.25		9R	TX-PA								
Feb-15			12	10	14	80	30	30.37	29.96	30.17	-0.26		9	MDC								
Feb-16			18	18	20	65	20	29.96	29.72	29.84	-0.32		11			WEST	AVE.	2400				
Feb-17			107	35	34	64	28	30.13	29.73	29.93	0.09		11, 8			WEST	AVE.	0800				
Feb-18			41	26	20	60	23	30.40	30.13	30.27	0.34		9	OH	EAST							
Feb-19			1	6	8	70	19	30.24	30.21	30.23	-0.04		9R	NH-NC	EAST							
Feb-20			13	8	21	85	34	30.17	29.78	29.98	-0.25	29.82	8	IL	NE							
Feb-21			18	12	17	98	28	29.90	29.76	29.83	-0.15		23			WEST	WEAK	1815				
Feb-22			50	16	22	62	38	30.12	29.90	30.01	0.18		9	OK	SE							
Feb-23			16	21	19	87	29	30.19	30.10	30.15	0.14		9	TX-KY	EAST							
Feb-24			6	5	11	68	17	30.31	30.19	30.25	0.10		9	WV-NH	SOUTH							
Feb-25			8	7	14	82	25	30.28	29.98	30.13	-0.12		9	SC	EAST							
Feb-26	2005	2100	21	7	20	56	30	29.98	29.59	29.79	-0.35	29.60	11			WEST	STRONG	2050				
Feb-27			112	23	33	64	27	29.98	29.71	29.85	0.06		8,9	VAC	NE							
Feb-28			57	29	34	52	21	30.31	29.98	30.15	0.30		9	MS	NE							
EXTREMES																		DATE				
MIN.	TEMP	TOT.	800	455	557	2100	815	846.71	838.28	842.50	-0.08	209.21				MAX. TEMP.	02-01					
<=55	28	NUM.	28	28	28	28	28	28	28	28	28	7	WX.	FEAT.				MIN. TEMP.	02-05			
<=50	28	AVE.	28.57	16.25	19.89	75.00	29.11	30.24	29.94	30.09	0.00	29.89	LOW	PR.=	7				MAX. SNOW	02-04		
<=45	26	MAX.	112	41	42	100	86	30.49	30.36	30.43	0.41	30.38	HIGH	PR.=	11				MAX.PREC.	02-07		
<=40	23	MIN.	1	4	6	47	17	29.90	29.59	29.79	-0.37	29.60	ELONG	HP.=	4				MAX.AM WIND	02-02		
<=30	17	MED.	17	12	19	70	28	30.25	29.94	30.14	0.00	29.82	WARM	FRO.=	0				MAX.PM WIND	02-04		
<=20	1	DATE		02-02	02-04	DATE		02-09	02-26							STAT.	FRO.=	0			MAX. BAR.	02-09
<=10	0	MAX.														ALL	HPS.=	0			MAX. BAR.	02-10

2002
FEBFEBRUARY
REMARKS FOR THE MONTH

Feb-01	HEAVY MORNING FOG
Feb-02	
Feb-03	SUN THROUGH CIRROSTRATUS FROM AROUND 1100-1200
Feb-04	ONE VERY HEAVY SNOW SHOWER BUT ALL OF THIS SNOW MELTED BEFORE A SECOND SNOW SQUALL
Feb-05	WIND CHILL WENT TO 11° TODAY AT 0314 - MAX. WIND GUST WAS 37MPH FROM NW AT 2115
Feb-06	
Feb-07	LIGHT AM FOG-RAIN STARTING AT 0155 THEN SNOW, SLEET, RAIN IN THAT PRECIPITATION ORDER-STILL 0.1 IN. OF SLUSH AT SUNRISE
Feb-08	HEAVY FROST CAUSED BY FREEZING FOG AROUND MIDNIGHT
Feb-09	
Feb-10	MODERATE FOG - MIST AND FOG 0805-0900 A SPRINKLE BETWEEN 0910-0935
Feb-11	
Feb-12	
Feb-13	
Feb-14	
Feb-15	SUN THROUGH CIRRUS ALL DAY BUT THICKER CIRRUS IN PM
Feb-16	MOURNING CLOAK BUTTERFLY SEEN THIS AFTERNOON-FIRST I'VE EVER OBSERVED IN FEBRUARY
Feb-17	NOT EVEN TRACE OF RAIN WITH COLD FRONT - 2 DANDELIONS SEEN BLOOMING
Feb-18	
Feb-19	CIRRUS COVERING SKY FROM NOON TO 0300 THEN ALTOSTRATUS
Feb-20	WARMEST DAY FOR DATE IN MY 22 YEARS OF RECORDS
Feb-21	
Feb-22	
Feb-23	MODERATE FROST LAST NIGHT
Feb-24	VERY LOW RELATIVE HUMIDITY TODAY NIMBUS INSTRUMENT RECORDED 19%
Feb-25	SUN THROUGH CIRRUS IN THE EARLY MORNING THEN CLEARING AND THICKER ALTOSTRATUS IN THE LATER PM
Feb-26	FIRST THUNDER AND LIGHTNING OF 2002 OCCURRED AROUND 1950
Feb-27	WEAK LP FORMED ON THE CF OFF THE VA COAST LIGHT SNOW & FLURRIES TO THE E. OF DC. --AFTERNOON HP OVER TX BUILDING IN
Feb-28	DRIEST FEBRUARY IN MY 22 YEARS OF RECORDS-THE PREVIOUS RECORD WAS 0.90 INS. RECORDED IN 1991 OUR DRIEST YR. ON RECORD

February was a warm and extremely dry month.

THE TOTAL PRECIPITATION WAS 0.52 INCHES A DEPARTURE OF -2.42 INCHES.

IT WAS THE DRIEST FEBRUARY ON RECORD; THE PREVIOUS RECORD WAS 0.90 IN 1991. BY THE WAY 1991 WAS ALSO THE RECORD DRIEST YEAR!!

THE TOTAL PRECIPITATION FOR THE WINTER WAS ONLY 3.63 INCHES THAT WAS -1.88 INCHES BELOW THE PREVIOUS RECORD.

THE MEAN TEMPERATURE WAS 41.25° THAT WAS THE FOURTH HIGHEST IN THE LAST 22 YEARS.

THE LOWEST MAX. TEMP. FOR THE MONTH WAS 38°F THAT WAS THE SECOND LOWEST MAX. FOR FEB. RECORDED IN THE LAST 22 YEARS

THE WINTER OF 2001-2002 WAS UNQUESTIONABLY THE WARMEST ON RECORD. THE AVE. MEAN TEMP. FOR THE THREE WINTER MONTHS WAS 41.77°F

NEARLY A FULL DEGREE MORE THAN THE PREVIOUS RECORD SET IN 1997-1998. THE AVERAGE IS 36.67°F

BECAUSE OF THE VERY WARM WINTER THE AVE. GROUND TEMP. AT ONE FOOT WAS THE HIGHEST ON MY RECORDS &

WAS +1.4°F HIGHER THAN THE PREVIOUS RECORD.(RECORDS SINCE 1987)

(More complete summary on ACON sheet.)

ACON VA / NC / SC FEB. 2002 SUMMARY

OBSERVER: LOWELL L. KOONTZ

ALL OBSERVATION TIMES: 2400

LOCATION: 6515 OAKWOOD DR., FALLS CHURCH VA 22041

ALTITUDE : 360 FEET

RECORDS OF TEMPERATURE AND PRECIPITATION SINCE SEPT. 1979

TEMPERATURE:

MEAN MAXIMUM	51.43
MEAN MINIMUM	31.07
MEAN MONTHLY	41.25
MAXIMUM	75
DATE(s) OF MAX.	02-01-02
MINIMUM	19
DATE(s) OF MIN.	02-05-02
# DAYS MAX. $\geq 90^{\circ}$	0
# MAX. $\leq 32^{\circ}$	0
MIN. $\leq 32^{\circ}$	18
MIN. $\leq 0^{\circ}$	0

NUMBER DAYS WITH:

THUNDER	1
RAIL	0
GLAZE	0
ICE PELLETS (SLEET)	1
DENSE FOG	2

WIND

MAX. GUST (MPH)	42
DIRECT. OF GUST	NW
DATE -Hr. 1405	02-04-02

PRECIPITATION:

MONTH TOTAL	0.52
DAILY MAXIMUM	0.23
DATE OF MAX.	02-07-02
24-HR. PD. MAX.	0.23
DATE(s) OF MAX. PD.	02-07-02
# DAYS $\geq 0.01"$	7
# DAYS $\geq 1.00"$	0
YR. TO DATE TOT.	2.08

SNOWFALL:

DAILY MAXIMUM	0.6
DATE OF MAX.	2-4-02
DAYS $\geq$ TRACE	2
DAYS $\geq 1.0"$	0
MONTHLY TOTAL	1.1
01-'02 SEASON'S TOT.	4.9

BAROMETER

MAX.	30.49
DATE	02-09-02
MIN.	29.59
DATE	02-26-02

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 BECAUSE OF THE VERY WARM WINTER THE AVE. GROUND TEMP. AT ONE FOOT WAS THE HIGHEST ON MY RECORDS &
 WAS +1.4°F HIGHER THAN THE PREVIOUS RECORD.(RECORDS SINCE 1987)
 FEBRUARY'S AVERAGE MAXIMUM WIND SPEED FOR THE DAY WAS 19.9 MPH THE HIGHEST SINCE 1984.
 THE MAXIMUM WIND GUST FOR THE MONTH WAS 42 MPH THE HIGHEST SINCE 1994 WHEN A 42 MPH GUST WAS ALSO RECORDED
 FEBRUARY ALSO HAD TWO DAYS THE 17TH AND THE 27TH THAT WERE THE WINDIEST DAYS SINCE MARCH 2, 2000.

more

Rain, Snow, Sleet Event of February 7, 2002 (The last Event of the Previous Winter)					
Last Date of Frozen Precip.- Feb. 7, 2002		Amt. of Last Frozen Precip.- 0.5 Inches		For Past Snowstorms-Click here	
Rain,Melted Snow & Sleet- 0.23 Inches		March Total Snow - 1.1 Inches		Total Snow for Winter 2001 - '02 4.9 Inches	
1st OBSERVATIONS OF 12-05-2002 STORM (THE EARLIEST DEC. SNOW)					
Obs. Num.	Time of Observation 12-05-2002	Total Frozen Precip. Inches	Total Melted Precip. Inches	Temp. °F	Remarks for the Time Period
0	0019 hrs.	0.0	0.00	28.9	Snow started at 0019 and is extremely light intensity - - Relative Humidity 54% now!
1	0119 hrs.	0.1	Trace	27.4	Ground and street getting white ---snow crystals are broken and irregular very few single crystals -- Relative Humidity now 74% -- Rate now light steady snow
2	0219 hrs.	0.5	0.04	25.8	Moderate snow now -- Relative Humidity 84% - - snow crystals show light riming many are broken and irregular
3	0319 hrs.	1.2	0.11	25.6	Moderate steady snow - Barometer fall rate now 0.05 inches in one hour - Relative Humidity 87%
4	0419 hrs.	1.6	0.17	25.5	Light to Moderate snow - Barometer fall rate now 0.06 inches in one hour - - snow crystals show light riming in small aggregates of broken and irregular particles - Relative Humidity & temperature now steady
5	0519 hrs.	2.0	0.22	25.4	Light snow - Barometer fall rate now 0.04 inches in one hour
6	0619 hrs.	2.6	0.30	25.1	Moderate snow - Barometer fall rate now 0.03 inches in one hour
7	0719 hrs.	3.3	0.38	25.3	Moderate snow - Barometer fall rate now 0.03 inches in one hour- - snow crystals show riming and very few show single crystals
8	0819 hrs.	3.7	0.48	25.5	Light to Moderate snow - Barometer fall rate now 0.02 inches in one hour- -
9	0919 hrs.	4.5	0.61	26.0	Moderate snow - Snowfall rate increasing and snow crystals show moderate riming in small aggregates that bounce some on impact (graupel like)
10	1019 hrs.	4.9	0.69	26.0	Light to Moderate snow - Barometer fall rate now 0.04 inches in one hour but the back edge of snow is near the Prince William County line
11	1055 hrs.	5.0	0.74	26.4	Snow stopped about ten minutes ago and we now have a very light freezing drizzle
					Freezing rain and sleet until 1205 then a snow shower again --

12	1205 hrs.	5.0	075	26.8	Accumulation equaled the settling of the snow
13	1245 hrs.	5.0	0.77	27.8	More snow showers and some sleet but accumulation still equaled the settling of the snow
14	1315 hrs.	5.0	0.78	28.1	End of Precipitation