

FEBRUARY 1995  
WILMINGTON, DE  
GREATER WILMINGTON AIRPORT

# LOCAL CLIMATOLOGICAL DATA

published by: National Climatic Data Center



LATITUDE: 39° 40' N

LONGITUDE: 75° 36' W

ELEVATION (GROUND): 74 FEET

TIME ZONE: EASTERN STANDARD

ISSN # 0198-117X  
WBAN # 13781

DATE	TEMPERATURE °F						DEG DAYS BASE 65°		SIGNIFICANT WEATHER	SNOW/ICE ON GND (IN)		PRECIPITATION (INCHES)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES				SUNSHINE		CLOUDINESS											
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING		0700 LST	1300 LST	0700 LST	WATER EQUIV	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT WIND SPEED	RES DIR	AVERAGE SPEED	MAXIMUM				TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN						
																			5-SEC	2-MIN	SPEED	DIR			SPEED	DIR	CEILOMETER TENTHS	SATELLITE TENTHS	CEILOMETER TENTHS	SATELLITE TENTHS			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29					
01	48	30	39	8	31	36	26	0	R	0		0.0	T	29.58	29.67	6.8	25	7.3	21	24	16	25			5		28	29					
02	43	24	34	3	20	31	31	0		0		0.0	0.00	29.71	29.79	9.9	32	11.8	26	36	23	36			3		3						
03	31	15	23	-8	7	19	42	0	SF	0		0.5	0.02	29.99	30.07	3.8	4	7.4	18	36	16	36			1		3						
04	35	26	31	0	27	29	34	0	RSF+	7		7.0	0.85	29.27	29.36	13.6	32	19.8	45	28	36	29			10		10						
05	27	8	18	-13	0	13	47	0		6		0.0	0.00	29.52	29.60	24.7	28	24.9	48	30	38	29			3		3						
06	20	4*	12*	-19	-4	9	53	0		5		0.0	0.00	29.77	29.86	18.1	26	18.4	37	27	31	26			3		1						
07	25	12	19	-13	3	15	46	0		5		0.0	0.00	29.85	29.94	7.2	24	8.1	18	27	16	27											
08	25	9	17	-15	5	14	48	0		4		0.0	0.00	29.83	29.91	12.4	30	13.0	32	30	29	31			1		1						
09	28	10	19	-13	7	17	46	0		4		0.0	0.00	29.93	30.01	11.2	26	12.3	24	28	21	27			0		2						
10	42	24	33	1	22	29	32	0		4		0.0	0.00	29.76	29.84	5.7	20	6.7	18	17	15	16			8		8						
11	45	27	36	4	24	31	29	0	F	3		0.0	0.00	29.66	29.74	9.0	28	11.2	32	30	28	30			1		2						
12	29	10	20	-13	1	13	45	0		T		0.0	0.00	30.03	30.12	15.8	30	16.3	37	29	29	32			0		0						
13	28	10	19	-14	4	15	46	0		0		0.0	0.00	30.24	30.33	7.5	26	8.2	21	27	17	27			0		0						
14	35	12	24	-9	13	21	41	0	F	0		0.0	0.00	30.27	30.36	4.0	27	5.5	20	32	15	27			0		0						
15	33	19	26	-7	26	27	39	0	RSFH	0		0.7	0.50	30.17	30.26	2.2	13	4.3	13	15	11	15			10		7						
16	46	33	40	7	32	35	25	0	RP-IPFH	0		0.0	0.03	29.99	30.08	5.5	32	7.5	21	33	18	33			5		7						
17	46	28	37	3	24	32	28	0	H	0		0.0	0.00	30.29	30.38	4.5	34	5.9	14	30	11	33			0		1						
18	46	23	35	1	24	30	30	0	FH	0		0.0	0.00	30.34	30.43	1.4	4	3.2	9	08	8	09			0		0						
19	53*	22	38	4	29	34	27	0	FH	0		0.0	0.00	30.11	30.20	2.2	26	4.1	11	23	10	22			0		0						
20	52	31	42	7	36	39	23	0	FH	0		0.0	0.00	29.71	29.80	2.4	13	4.3	11	09	10	08			4		3						
21	45	35	40	5	34	37	25	0	RFH	0		0.0	0.01	29.57	29.66	8.5	33	10.3	25	32	21	33			10		10						
22	39	29	34	-1	18	29	31	0		0		0.0	0.00	29.97	30.06	7.6	31	10.1	29	33	24	33			1		5						
23	44	35	40	5	35	37	25	0	RIPF	0		0.0	0.03	29.87	29.95	1.3	11	4.2	13	32	10	32			7		8						
24	49	27	38	2	23	33	27	0	RF	0		0.0	0.09	29.84	29.92	17.8	30	18.1	40	30	33	31			4		4						
25	43	21	32	-4	14	26	33	0		0		0.0	0.00	30.15	30.24	7.2	26	9.4	24	31	21	30											
26	35	27	31	-5	24	27	34	0	P-ZRSF	0		0.1	0.02	30.29	30.38	10.1	5	10.8	23	05	18	05											
27	38	28	33	-4	34	34	32	0	RZRF+	T		0.0	0.19	30.26	30.36	7.7	5	7.9	20	05	15	04			10		10						
28	50	36	43*	6	42	41	22	0	RF	0		0.0	0.54	29.97	30.06	2.9	35	3.8	14	36	11	36			10		10						
											MONTHLY AVERAGES																						
											38.6	22.0	30.3	-3.1	19.6	26.9					29.93	30.01	5.7	29	9.8	MONTHLY AVERAGES				4		4	
DEPARTURE		-3.3		-2.8		DEGREE DAYS				TOTAL SNOWFALL: 8.3		TOTAL PRECIPITATION: 2.28		SUNSHINE TOTALS:				PERCENT POSSIBLE:															
MONTHLY		TOTAL DEPARTURE		SEASON TO DATE		TOTAL DEPARTURE		TOTAL DEPARTURE		PRECIP. DEPARTURE: -.63		TOTAL DATE		TOTAL POSSIBLE:																			
HEATING:		967		82		3438		-302		GREATEST 24-HR PRECIPITATION:		0.87		GREATEST 24-HR SNOWFALL:				03-04															
COOLING:		0		0		0		0		GREATEST 24-HR SNOWFALL:		7.5		GREATEST SNOW DEPTH:				03-04															
NUMBER OF DAYS WITH		->		SKY CONDITIONS				CLEAR		PARTLY CLOUDY		CLOUDY		MAXIMUM TEMP ≥ 90 :		0		MINIMUM TEMP ≤ 32 :		24		PRECIPITATION ≥ 0.01 INCH :		10		PRECIPITATION ≥ 0.10 INCH :		4		SNOWFALL ≥ 1.0 INCH :		1	

FEBRUARY 1995  
WILMINGTON, DE

# HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

FEBRUARY 1995  
WILMINGTON, DE

WBAN # 13781

DATE	A.M. HOUR (L.S.T.) ENDING AT												DATE	P.M. HOUR (L.S.T.) ENDING AT												DATE
	1	2	3	4	5	6	7	8	9	10	11	12		1	2	3	4	5	6	7	8	9	10	11	12	
01													01												01	
02													02		T		T								02	
03													03												03	
04	T	T		T	T	T							04										T	T	04	
05													05												05	
06													06												06	
07													07												07	
08													08												08	
09													09												09	
10													10												10	
11													11												11	
12													12												12	
13													13												13	
14													14												14	
15											T	0.05	0.02	15	T		T	0.03	0.02	0.03	0.06	0.04	T		15	
16	0.01	0.01	T	T	T								16										T		16	
17													17												17	
18													18												18	
19													19												19	
20													20												20	
21	T	T		0.01									21												21	
22													22												22	
23				T	T						T	T	23	T	0.01	T	0.02	T							23	
24				T	0.05	0.04	T						24												24	
25													25												25	
26													26	T	T	T	T								26	
27	T	T	T						T	T	T	T	27	T	T	T	T		0.01	T	T	T	0.02	0.07	27	
28	0.05	0.05	0.06	0.14	0.08	0.04	0.03	0.01	0.01	0.01	0.02	0.02	28	0.01	T	0.01								0.02	28	

PUBLISHED BY: NCDC, ASHEVILLE, NC.

### MAXIMUM SHORT DURATION PRECIPITATION (MSDP) \*\*

\*The sum of the hourly totals follows the \* when it disagrees with the daily total on page 1. NWS does not edit ASOS hourly precipitation but may edit daily and monthly totals. Hourly, daily and monthly totals are printed as reported by the ASOS site.

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)												
ENDED: DATE												
ENDED: TIME												

\*\*NCDC derives MSDP data from one-minute ASOS data. The MSDP data are not printed when inconsistent with ASOS hourly totals.

The time indicated is the ending time of the interval. Date and time are not entered for trace amounts.

REFERENCE NOTES :

WFO = WEATHER FORECAST OFFICE.

ASOS = AUTOMATED SURFACE OBSERVING SYSTEM.

\* = EXTREME FOR THE MONTH (LAST OCCURRENCE IF MORE THAN ONE).

T = TRACE PRECIPITATION AMOUNT.

+ = ALSO OCCURS ON EARLIER DATES.

F+ = HEAVY FOG, VISIBILITY .25 MILES OR LESS.

BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.

THE HEATING DEGREE DAY SEASON BEGINS JULY 1.

THE COOLING DEGREE DAY SEASON BEGINS JANUARY 1.

CEILOMETER (30-SECOND) DATA ARE USED TO DERIVE CLOUDINESS AT OR BELOW 12,000 FEET. THIS CLOUDINESS IS THE MEAN CLOUD COVER DETECTED DURING THE TIME INTERVAL (HOUR, SUNRISE TO SUNSET, OR MIDNIGHT TO MIDNIGHT).

SATELLITE DATA ARE USED TO DERIVE CLOUDINESS ABOVE 12,000 FEET. EFFECTIVE CLOUD AMOUNT IS BASED ON THE CLOUD COVER AND THE TRANSPARENCY OF THE CLOUDS WITHIN THE SATELLITE FIELD OF VIEW (APPROX. 50 x 50 KM).

SKY CONDITION IS BASED ON THE SUM (NOT TO EXCEED 10) OF THE SUNRISE TO SUNSET CLOUD COVER BELOW AND ABOVE 12,000 FEET. BOTH CEILOMETER AND SATELLITE DATA MUST BE PRESENT TO COMPUTE SKY CONDITION. CLEAR = 0 - 3 TENTHS, PARTLY CLOUDY = 4 - 7 TENTHS, AND CLOUDY = 8 - 10 TENTHS.

RESULTANT WIND IS THE VECTOR SUM OF THE WIND SPEEDS AND DIRECTIONS DIVIDED BY THE NUMBER OF OBSERVATIONS.

WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. '00' INDICATES CALM. '36' INDICATES CALM.

SR-SS = SUNRISE TO SUNSET. MN-MN = MIDNIGHT TO MIDNIGHT.

SNOWFALL IS FOR THE 24-HOUR PERIOD ENDING AT THE TIME INDICATED IN COLUMN HEADING.

WATER EQUIVALENT OF SNOW ON THE GROUND IS REPORTED ONLY WHEN THE DEPTH IS 2 OR MORE INCHES.

H, F, F+, P-, R, S, AND ZR ARE REPORTED FROM ASOS AUTOMATED SENSORS.

OTHER WEATHER TYPES MAY BE ADDED TO THE REPORT BY STATION PERSONNEL OR BE PROVIDED BY THE WEATHER FORECAST OFFICE (WFO).

A HAIL	GL GLAZE	SG SNOW GRAINS
BD BLOWING DUST	H HAZE	SP SNOW PELLETS
BN BLOWING SAND	IC ICE CRYSTALS	T THUNDER
BS BLOWING SNOW	IF ICE FOG	V VOLCANIC ASH
BY BLOWING SPRAY	IP ICE PELLETS	ZL FREEZING DRIZZLE
D DUST	K SMOKE	ZR FREEZING RAIN
F FOG	L DRIZZLE	& TORNADO
F+ HEAVY FOG	P- UNKN. PRECIP.	&C FUNNEL CLOUD
GF GROUND FOG	R RAIN	&W WATERSPOUT
	S SNOW	

NORMALS ARE FOR THE YEARS 1961 - 1990.

A HEATING (COOLING) DEGREE DAY IS THE DEFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65°F.

DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100% RELATIVE HUMIDITY.

WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100% RELATIVE HUMIDITY.

TEMPERATURE - HUMIDITY INDEX (STEADMAN, 1979)

TEMPERATURE ° F	RELATIVE HUMIDITY (PERCENT)										APPARENT TEMPERATURE	
	0	10	20	30	40	50	60	70	80	90		100
120	107	116	130	148								
115	103	111	120	135	151							
110	99	105	112	123	137	150						
105	95	100	105	113	123	135	149					
100	91	95	99	104	110	120	132	144				
95	87	90	93	96	101	107	114	124	136			
90	83	85	87	90	93	96	100	106	113	122		
85	78	80	82	84	86	88	90	93	97	102	108	
80	73	75	77	78	79	81	82	85	86	88	91	
75	69	70	72	73	74	75	76	77	78	79	80	
70	64	65	66	67	68	69	70	70	71	71	72	

WIND CHILL EQUIVALENT TEMPERATURE (SIPLE & PASSEL, 1945)

TEMPERATURE ° F	WIND VELOCITY (MPH)									
	4	5	10	15	20	25	30	35	40	45
45	45	43	34	29	26	23	21	20	19	18
40	40	37	26	23	19	16	13	12	11	10
35	35	32	22	16	12	8	6	4	3	2
30	30	27	16	9	4	1	-2	-4	-5	-6
25	25	22	10	2	-3	-7	-10	-12	-13	-14
20	20	16	3	-5	-10	-15	-18	-20	-21	-22
15	15	11	-3	-11	-17	-22	-25	-27	-29	-30
10	10	6	-9	-18	-24	-29	-33	-35	-37	-38
5	5	0	-15	-25	-31	-36	-41	-43	-45	-46
0	0	-5	-22	-31	-39	-44	-49	-52	-53	-54
-5	-5	-10	-27	-38	-46	-51	-56	-58	-60	-62
-10	-10	-15	-34	-45	-53	-59	-64	-67	-69	-70
-15	-15	-21	-40	-51	-60	-66	-71	-74	-76	-78
-20	-20	-26	-46	-58	-67	-74	-79	-82	-84	-85
-25	-25	-31	-52	-65	-74	-81	-86	-89	-92	-93
-30	-30	-36	-58	-72	-81	-88	-93	-97	-100	-102

ADDITIONAL INFORMATION :

## OBSERVATIONS AT 3-HOURLY INTERVALS

FEBRUARY 1995 WBAN # 13781  
WILMINGTON, DE

HOUR (LST)	< 12K FEET		SATELLITE > 12K FT				WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	> 12K FEET		SATELLITE > 12K FT				WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
	CEILOMETER TENTHS	CEILING 100'S OF FT	OBSERVATION TIME (LST)	RFF CLD AMT TENTHS	LOWEST CLOUD TOP 100'S OF FT	HIGHEST CLOUD TOP 100'S OF FT		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		CEILOMETER TENTHS	CEILING 100'S OF FT	OBSERVATION TIME (LST)	RFF CLD AMT TENTHS	LOWEST CLOUD TOP 100'S OF FT	HIGHEST CLOUD TOP 100'S OF FT		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
01	0	NC	SUNRISE: 0710				FEB 01	35	29	33	79	9	23	29.61	29.70	01	0	NC	SUNRISE: 0704				FEB 07	13	-2	10	51	10	24	29.86	29.95
04	0	NC						34	25	31	70	10	25	29.61	29.69	04	0	NC						13	0	10	56	12	24	29.89	29.97
07	0	NC						31	24	29	75	8	22	29.61	29.70	07	0	NC						12	-1	9	56	9	25	29.91	30.00
10	0	NC						42	28	36	58	10	24	29.62	29.71	10	0	NC						19	2	15	47	12	26	29.93	30.02
13	6	100						47	30	40	52	8	24	29.55	29.63	13	0	NC						23	5	18	46	10	20	29.86	29.94
16	8	NC						43	39	41	86	3	26	29.54	29.62	16	0	NC						24	2	19	38	10	24	29.80	29.88
19	10	60						42	39	41	89	3	28	29.57	29.65	19	0	NC						21	4	17	48	3	21	29.80	29.90
22	0	55						39	35	37	86	6	25	29.57	29.66	22	0	NC						23	11	20	60	3	13	29.79	29.87
01	0	60	SUNRISE: 0710				FEB 02	39	34	37	82	6	26	29.59	29.67	01	9	70	SUNRISE: 0703				FEB 08	21	9	18	60	3	07	29.77	29.86
04	0	NC						37	32	35	82	7	27	29.59	29.67	04	0	NC						14	5	12	67	6	29	29.75	29.83
07	10	60						37	32	35	82	8	26	29.64	29.73	07	0	NC						10	1	8	67	8	30	29.80	29.88
10	5	NC						41	22	34	47	20	32	29.68	29.77	10	0	NC						19	5	16	54	16	32	29.84	29.93
13	4	NC						41	20	33	43	15	32	29.68	29.76	13	0	NC						24	10	20	55	17	30	29.80	29.88
16	0	NC						42	18	33	38	13	31	29.70	29.78	16	4	NC						24	6	19	46	23	31	29.80	29.88
19	0	NC						35	10	27	35	12	36	29.79	29.87	19	0	NC						19	3	15	50	14	29	29.89	29.97
22	0	NC						28	4	22	36	16	36	29.88	29.96	22	0	NC						17	3	14	54	14	28	29.93	30.02
01	0	NC	SUNRISE: 0709				FEB 03	23	-1	17	35	13	36	29.91	29.99	01	0	NC	SUNRISE: 0702				FEB 09	16	0	13	49	17	30	29.98	30.07
04	0	NC						20	2	16	45	13	35	29.98	30.06	04	0	NC						15	2	12	56	15	29	30.00	30.08
07	0	NC						16	4	13	59	8	35	30.07	30.15	07	0	NC						12	2	10	64	7	24	30.02	30.10
10	0	NC						22	4	18	46	7	05	30.08	30.16	10	0	NC						20	7	17	57	15	27	30.02	30.11
13	0	NC						27	3	21	35	5	25	30.04	30.13	13	0	NC						26	6	21	42	13	26	29.93	30.01
16	0	NC						29	3	22	33	5	16	29.98	30.07	16	1	NC						27	8	22	45	13	24	29.88	29.96
19	10	85						30	5	23	34	5	12	29.96	30.05	19	7	NC						26	12	22	55	14	23	29.84	29.92
22	10	39						26	24	25	92	8	09	29.91	30.00	22	10	50	SUNRISE: 0701				FEB 10	28	14	24	56	8	24	29.86	29.94
01	10	10	SUNRISE: 0708				FEB 04	26	26	26	100	13	06	29.79	29.87	01	10	60	SUNRISE: 0701				FEB 10	28	14	24	56	8	24	29.86	29.94
04	10	4					SF	28	28	28	100	16	06	29.57	29.65	04	4	80						25	15	22	66	6	21	29.88	29.96
07	10	4					SF	34	34	34	100	23	05	29.32	29.40	07	10	85						28	17	25	63	5	24	29.86	29.95
10	10	6					RF	34	34	34	100	14	32	29.16	29.25	10	8	95						35	20	30	54	6	22	29.84	29.93
13	10	16					RF	33	31	32	92	17	31	29.09	29.17	13	9	80						42	17	33	36	7	17	29.75	29.84
16	10	24						31	25	29	79	24	30	29.09	29.17	16	10	80						36	28	33	73	9	15	29.66	29.75
19	10	100						30	23	28	75	22	30	29.16	29.25	19	10	75						37	29	34	73	3	14	29.64	29.73
22	10	70						30	21	27	69	26	30	29.20	29.28	22	4	48						34	28	32	79	7	22	29.64	29.73
01	2	NC	SUNRISE: 0707				FEB 05	25	12	21	58	21	28	29.27	29.36	01	10	55	SUNRISE: 0700				FEB 11	36	27	33	70	10	22	29.66	29.74
04	0	NC						21	7	17	55	25	28	29.34	29.43	04	0	NC						30	29	30	96	6	22	29.66	29.74
07	0	NC						19	2	15	47	25	27	29.43	29.51	07	0	NC						29	29	29	100	3	23	29.66	29.75
10	0	NC						19	0	15	43	24	27	29.50	29.59	10	0	NC						39	31	36	73	3	20	29.68	29.76
13	5	48						19	0	15	43	32	28	29.50	29.58	13	0	NC						45	27	38	49	17	27	29.64	29.72
16	4	60						17	-2	13	43	20	27	29.55	29.63	16	4	120						43	27	37	53	15	29	29.61	29.70
19	8	49						13	-5	10	44	28	28	29.64	29.73	19	0	NC						39	19	32	45	14	27	29.64	29.73
22	0	NC						10	-9	7	41	30	29	29.73	29.81	22	0	NC						12	27	42	17	31	29.70	29.78	
01	0	NC	SUNRISE: 0706				FEB 06	7	-9	5	47	20	27	29.77	29.85	01	1	NC	SUNRISE: 0659				FEB 12	27	8	22	45	20	31	29.77	29.85
04	0	NC						5	-9	3	52	16	26	29.77	29.85	04	0	NC						21	6	17	52	23	32	29.84	29.93
07	0	NC						5	-10	3	49	17	25	29.77	29.87	07	0	NC						10	-9	7	41	21	30	29.98	30.07
10	0	NC						12	-5	9	46	22	25	29.77	29.87	10	0	NC						13	-4	10	46	21	30	30.05	30.14
13	2	NC						17	-2	13	43	21	26	29.73	29.82	13	0	NC						18	-1	14	43	18	30	30.05	30.14
16	8	60						19	0	15	43	24	28	29.70	29.80	16	0	NC						20	-1	15	39	22	30	30.07	30.15
19	0	NC						17	0	13	47	15	26	29.77	29.87	19	1	NC						17	-1	13	45	9	29	30.15	30.24
22	0	NC						15	-1	12	49	13	25	29.82	29.91	22	0	NC						15	0	12	51	9	27	30.19	30.29



# OBSERVATIONS AT 3-HOURLY INTERVALS

FEBRUARY 1995    WBAN # 13781  
WILMINGTON, DE

HOUR (LST)	< 12K FEET		SATELLITE > 12K FT				VISIBILITY (MILES)	WEATHER	TEMPERATURE * F			WIND		PRESSURE (INCHES, HG)		HOUR (LST)	< 12K FEET		SATELLITE > 12K FT				VISIBILITY (MILES)	WEATHER	TEMPERATURE * F			WIND		PRESSURE (INCHES, HG)	
	CEILOMETER TENTHS	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT TENTHS	LOWEST CLOUD TOP	HIGHEST CLOUD TOP			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION		SEA LEVEL	CEILOMETER TENTHS	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT TENTHS	LOWEST CLOUD TOP			HIGHEST CLOUD TOP	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG
<b>SUNRISE: 0642    FEB 25    SUNSET: 1750</b>																															
01		NC					10.00		27	9	22	47	13	30	30.12	30.22															
04		NC					10.00		25	9	21	51	17	31	30.15	30.24															
07		NC					10.00		22	9	19	57	5	22	30.22	30.31															
10		NC					10.00		33	13	27	44	13	22	30.24	30.33															
13		NC					10.00		37	17	30	44	9	22	30.15	30.24															
16		NC					10.00		43	15	33	32	10	27	30.08	30.17															
19		NC					10.00		35	18	29	50	8	20	30.10	30.19															
22		NC					10.00		33	21	29	61	5	24	30.13	30.22															
<b>SUNRISE: 0640    FEB 26    SUNSET: 1751</b>																															
01		75					10.00		35	24	31	64	5	19	30.16	30.24															
04		90					10.00		34	28	32	79	0	00	30.15	30.24															
07		85					10.00		32	25	30	75	13	05	30.19	30.29															
10		14					10.00		29	24	27	82	13	04	30.30	30.39															
13		12					7.00		28	24	27	85	16	04	30.30	30.39															
16		15					10.00		28	21	26	75	12	05	30.34	30.43															
19		17					10.00		27	21	25	78	10	05	30.41	30.50															
22		19					10.00		27	18	24	69	13	05	30.41	30.50															
<b>SUNRISE: 0639    FEB 27    SUNSET: 1752</b>																															
01	10	19					10.00		29	23	27	78	9	04	30.39	30.48															
04	10	15					10.00		31	26	29	82	12	04	30.36	30.45															
07	10	9					7.00		33	33	33	100	12	05	30.35	30.44															
10	10	5					4.00		35	35	35	100	12	05	30.32	30.41															
13	10	3					1.50		37	37	37	100	13	04	30.25	30.34															
16	10	3					.50		38	38	38	100	9	06	30.18	30.27															
19	10	1					.75		37	37	37	100	3	06	30.18	30.27															
22	10	1					1.00		36	36	36	100	5	11	30.16	30.26															
<b>SUNRISE: 0637    FEB 28    SUNSET: 1753</b>																															
01	10	1					2.50		36	36	36	100	0	00	30.09	30.19															
04	10	13					2.50		37	37	37	100	8	09	30.00	30.09															
07	10	2					2.00		39	39	39	100	0	00	29.95	30.04															
10	10	2					.75		43	43	43	100	0	00	29.95	30.04															
13	10	2					.75		46	46	46	100	0	00	29.91	30.00															
16	10	4					1.50		49	49	49	100	3	30	29.93	30.01															
19	10	50					3.00		44	43	44	96	7	32	29.95	30.04															
22	10	75					10.00		42	40	41	93	7	35	29.98	30.07															

**HOURLY SUMMARY NOTES**

CEILING IS REPORTED IN HUNDREDS OF FEET (ABOVE GROUND LEVEL)  
 FOR CLOUDS AT OR BELOW 12,000 FEET.  
 CLOUD TOPS ARE REPORTED IN HUNDREDS OF FEET (ABOVE MEAN  
 SEA LEVEL) FOR CLOUDS ABOVE 12,000 FEET.  
 NC = A CEILING WAS NOT DETECTED AT OR BELOW 12,000 FEET.  
 NT = CLOUD TOPS WERE NOT DETECTED ABOVE 12,000 FEET.  
 SEE PAGE 3 FOR ADDITIONAL NOTES.

## SUMMARY BY HOURS

HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES, HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	SPEED	DIRECTION
01	4		28	19	25	70	29.92	30.01	8.72	9	5	30
02	4		27	19	25	72	29.92	30.01	8.55	8	5	30
03	3		27	19	24	74	29.92	30.01	8.28	9	5	30
04	3		26	19	24	74	29.92	30.00	8.39	9	5	30
05	4		26	19	24	74	29.93	30.01	8.51	9	5	30
06	4		26	18	24	75	29.93	30.02	8.34	9	4	30
07	4		25	18	23	75	29.94	30.03	8.18	9	4	30
08	4		26	19	24	74	29.96	30.04	7.95	9	5	30
09	3		29	20	27	69	29.96	30.05	7.93	9	5	29
10	3		32	20	28	65	29.96	30.05	7.94	11	7	29
11	3		34	21	30	62	29.96	30.04	8.43	11	7	29
12	4		35	21	30	59	29.94	30.03	8.32	12	8	30
13	4		36	21	31	57	29.91	30.00	8.63	12	7	29
14	4		36	21	31	56	29.90	29.98	8.80	12	7	28
15	4		36	21	31	57	29.89	29.98	8.90	13	8	29
16	5		36	31	20	56	29.89	29.98	8.85	12	8	29
17	4		35	20	30	58	29.90	29.98	8.76	11	7	29
18	5		33	20	29	60	29.91	29.99	8.88	9	6	30
19	5		33	20	29	62	29.92	30.01	8.88	9	6	29
20	4		32	20	28	64	29.92	30.01	8.71	9	5	29
21	4		31	20	28	67	29.93	30.02	8.60	9	5	29
22	4		30	20	27	67	29.93	30.02	8.96	9	5	29
23	5		30	19	27	66	29.94	30.02	8.56	9	6	30
24	4		28	18	26	68	29.93	30.01	8.82	8	5	29

## SUPPLEMENTARY HOURLY PRECIPITATION UNIVERSAL RAIN GAUGE (WATER EQUIVALENT IN INCHES)

FEBRUARY 1995  
WILMINGTON, DE

LATITUDE 39° 40'N  
LONGITUDE 75° 36'W

DATE	A.M. HOUR (L.S.T.) ENDING AT												DATE	P.M. HOUR (L.S.T.) ENDING AT												DATE	DAILY TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12		1	2	3	4	5	6	7	8	9	10	11	12		
01													01											01	0.00		
02													02											02	0.00		
03													03								0.01		0.01	03	0.02		
04	0.01	0.06	0.11	0.15	0.12	0.20	0.10	0.08			0.01		04											04	0.84		
05													05											05	0.00		
06													06											06	0.00		
07													07											07	0.00		
08													08											08	0.00		
09													09											09	0.00		
10													10											10	0.00		
11													11											11	0.00		
12													12											12	0.00		
13													13											13	0.00		
14													14											14	0.00		
15											0.03	0.02	15			0.03	0.03	0.03	0.07	0.03			0.17	0.10	15	0.51	
16													16											16	0.00		
17													17											17	0.00		
18													18											18	0.00		
19													19											19	0.00		
20													20											20	0.00		
21													21											21	0.00		
22			0.01										22	T	0.01	T	T	0.01						22	0.01		
23													23	T										23	0.02		
24				0.04	0.03			T			T	T	24											24	0.07		
25													25											25	0.00		
26													26											26	0.00		
27													27											27	0.02		
28													28										0.02	0.08	0.10	28	0.20
MONTHLY TOTAL																								1.69			

PUBLISHED BY: NCDC, ASHEVILLE, NC.

### SUPPLEMENTARY MAXIMUM SHORT DURATION PRECIPITATION (MSDP)

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.05	0.08	0.10	0.12	0.16	0.21	0.23	0.26	0.31	0.35	0.39	0.47
ENDED: DATE	15	15	15	15	15	15	15	04	04	04	04	04
ENDED: TIME	2308	2308	2308	2318	2318	2324	2336	0610	0610	0633	0726	0610

The National Weather Service has determined that the ASOS Heated Tipping-Bucket (HTB) rain gauge may not measure water equivalent precipitation accurately during frozen precipitation events. Precipitation data from a nearby site is provided on this page to supplement the ASOS HTB data.

The time indicated is the ending time of the interval.  
Date and time are not entered for trace amounts.

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*Kenneth D. Hagan*

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