

APRIL 1996
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	2400 LST	2400 LST	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				CEILOMETER TENTHS	SATELLITE TENTHS	CEILOMETER TENTHS	SATELLITE TENTHS					
	SPEED	DIR	SPEED	DIR	20	21	22	23		24	25	26	27	28	29																		
01	50	42	46	-2	44	46	19	0	RF			1.38	29.74	29.82	8.6	3	10.4	30	33	24	34			10		10							
02	51	38	45	-3	27	37	20	0	R			0.02	29.82	29.90	16.6	33	17.3	39	32	30	33			0		2							
03	65	33	49	1	28	41	16	0				0.00	29.83	29.91	5.7	23	8.8	24	23	20	25			0		2							
04	58	40	49	0	34	42	16	0				0.00	29.75	29.83	3.9	10	8.3	22	04	16	05			0		2							
05	47	35	41	-8	28	37	24	0				0.00	29.86	29.95	8.1	35	9.3	23	36	20	01			8		5							
06	48	34	41	-8	27	36	24	0	R			0.01	29.92	30.00	0.6	13	7.7	16	07	15	02			4		4							
07	40	32	36*	-13	35	37	29	0	RF			0.44	29.78	29.87	6.7	35	9.1	23	33	18	33			2		3							
08	48	30*	39	-11	24	34	26	0	FH			0.00	29.91	29.99	6.5	29	9.9	25	29	22	30			2		3							
09	42	33	38	-12	34	35	27	0	RSF			0.60	29.75	29.84	6.4	3	11.6	28	05	23	02			10		10							
10	47	34	41	-9	27	35	24	0	RF		0.0	0.01	29.68	29.76	19.0	30	19.4	37	29	30	29	0	0	4		5							
11	67	37	52	1	30	43	13	0				0.00	29.72	29.80	13.7	28	14.8	39	30	33	30			0		0							
12	77	52	65	14	41	53	0	0	R			T	29.63	29.71	6.7	23	9.6	23	23	21	23			0		1							
13	63	46	55	4	43	49	10	0	F			0.00	29.73	29.81	10.0	9	11.8	30	36	26	36			0		2							
14	60	42	51	-1	38	44	14	0	FH			0.00	29.84	29.92	11.5	34	14.0	33	30	29	31			5		5							
15	57	34	46	-6	37	42	19	0	RF			0.47	29.97	30.05	8.1	13	11.5	38	13	31	14			6		6							
16	59	40	50	-2	44	49	15	0	RF			0.69	29.55	29.63	9.4	28	15.8	40	15	32	28			8		9							
17	55	39	47	-6	29	39	18	0	RF			0.01	29.85	29.93	15.0	27	15.5	36	29	31	29			7		4							
18	69	36	53	0	33	44	12	0				0.00	30.03	30.11	4.0	22	7.0	21	24	16	24			0		0							
19	74	47	61	8	47	54	4	0	R			T	29.92	30.00	4.6	17	6.5	16	24	14	21			1		1							
20	76	58	67	14	58	62	0	2				0.00	29.83	29.92	12.9	19	13.1	32	20	26	21			4		3							
21	77	59	68	14	55	60	0	3	R			T	29.96	30.04	8.9	23	9.3	24	24	21	23			1		0							
22	84*	54	69*	15	57	62	0	4				0.00	29.97	30.06	7.1	16	7.6	21	16	17	16			2		1							
23	83	51	67	12	57	63	0	2	TARF			0.27	29.71	29.79	15.7	23	18.8	49	29	40	28			1		3							
24	62	44	53	-2	30	42	12	0				0.00	29.87	29.96	17.0	29	18.2	40	30	30	29			1		1							
25	74	47	61	6	40	51	4	0				0.00	29.77	29.85	12.3	19	12.9	36	19	30	19			3		2							
26	73	54	64	8	54	57	1	0	RF			0.08	29.51	29.60	14.2	21	14.6	31	21	25	22			5		3							
27	58	44	51	-5	32	43	14	0	R			T	29.89	29.97	11.8	30	12.7	28	30	23	31			0		2							
28	69	38	54	-2	37	47	11	0				0.00	30.16	30.25	8.5	22	10.0	26	22	22	23			0		0							
29	79	55	67	10	60	62	0	2	RF			0.13	29.90	29.98	10.8	17	11.7	33	19	26	20			7		6							
30	70	47	59	2	58	59	6	0	RF			0.87	29.66	29.75	6.9	19	10.9	43	30	30	29			9		6							
										MONTHLY AVERAGES																							
DEPARTURE		42.5		52.6		0.4		39.5		46.8		29.82		29.90		4.1		26		11.9		4		4		3							
DEGREE DAYS										TOTAL SNOWFALL:				TOTAL PRECIPITATION:				SUNSHINE TOTALS:				PERCENT POSSIBLE:											
MONTHLY										PRECIP. DEPARTURE:				TOTAL				TOTAL POSSIBLE:				DATE											
TOTAL DEPARTURE										GREATEST 24-HR PRECIPITATION:				GREATEST 24-HR SNOWFALL:				WIND				SPEED				DIRECTION				DATE			
HEATING:										GREATEST 24-HR SNOWFALL:				GREATEST SNOW DEPTH:				MAXIMUM 5-SECOND				MAXIMUM 2-MINUTE				MAXIMUM 5-SECOND				MAXIMUM 2-MINUTE			
COOLING:										GREATEST 24-HR SNOWFALL:				GREATEST SNOW DEPTH:				MAXIMUM 5-SECOND				MAXIMUM 2-MINUTE				MAXIMUM 5-SECOND				MAXIMUM 2-MINUTE			
NUMBER OF DAYS WITH										MAXIMUM TEMP ≥ 90 :				MINIMUM TEMP ≤ 32 :				PRECIPITATION ≥ 0.01 INCH :				PRECIPITATION ≥ 0.10 INCH :				PRECIPITATION ≥ 1.0 INCH :				NUMBER OF DAYS WITH			
SKY CONDITIONS										MAXIMUM TEMP ≤ 32 :				MINIMUM TEMP ≤ 0 :				PRECIPITATION ≥ 0.01 INCH :				PRECIPITATION ≥ 0.10 INCH :				PRECIPITATION ≥ 1.0 INCH :				NUMBER OF DAYS WITH			
CLEAR PARTLY CLOUDY CLOUDY										THUNDERSTORMS :				HEAVY FOG :				PRECIPITATION ≥ 0.01 INCH :				PRECIPITATION ≥ 0.10 INCH :				PRECIPITATION ≥ 1.0 INCH :				NUMBER OF DAYS WITH			

APRIL 1996
WILMINGTON, DE

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

APRIL 1996 WBAN # 13781
WILMINGTON, DE

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	T	T	T				T	T			T	0.03	01	0.09	0.03	0.02	0.06	0.13	0.21	0.33	0.10	0.16	0.18	0.02	0.02	01
02	0.01	T	0.01										02													02
03													03													03
04													04													04
05													05													05
06													06													06
07	0.01	0.02	0.03	0.03	0.02	0.02	0.01	0.02	0.03	0.01	0.03	0.04	07	0.04	0.04	0.04	0.03	0.01	0.01			T	T	T	0.01	06
08													08													07
09			T	0.01	0.04	0.03	0.04	0.05	0.06	0.05	0.05	0.04	09	0.05	0.04	0.02	0.01	0.02	T	T	0.02	0.02	0.02	0.02	0.01	08
10	0.01	T	T										10													09
11													11													10
12				T									12													11
13													13													12
14													14													13
15													15								T	0.05	0.07	0.25	0.10	14
16	0.01	0.04		T	0.43	0.13	0.01						16	T	0.01									T	0.05	15
17	0.01								0.01				17													16 * 0.68
18													18													17 * 0.02
19													19		T	T										18
20													20													19
21													21		T	T										20
22													22													21
23													23								0.16	0.11	T		T	22
24													24													23
25													25													24
26												T	26	T	T	T	T	T	0.07			T	0.01			25
27		T	T										27													26
28													28													27
29			T	0.05	0.06	0.01	T	T			0.01	T	29	0.03	T	0.05	0.24	0.14	0.07							28
30											0.03	0.28	0.03	30	0.03					T						29
																										30

PUBLISHED BY: NCDC, ASHEVILLE, NC.

* 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.

MAXIMUM SHORT DURATION PRECIPITATION (MSDP) **

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.
 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 DIFERENCE 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)										
	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

APRIL 1996
WILMINGTON, DE WBAN # 13781

HOUR (LST)	W 12K			SATELLITE > 12K FT			VISIBILITY (MILES)	WEATHER	TEMPERATURE ° F				RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	W 12K			SATELLITE > 12K FT			VISIBILITY (MILES)	WEATHER	TEMPERATURE ° F				RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
	CEILOMETER FEET	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT TENTHS	100'S OF FT	HIGHEST CLOUD TOP			DRY BULB	DEW POINT	WET BULB	SPEED (MPH)		DIRECTION TENS OF DEG	STATION	SEA LEVEL	CEILOMETER FEET		CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT TENTHS	100'S OF FT	HIGHEST CLOUD TOP	DRY BULB			DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL		
																																		DRY BULB	DEW POINT
SUNRISE: 0546 APR 01 SUNSET: 1827																																			
01	10	95					10.00		46	41	44	83	3	14	29.88	29.96		01	10	16					5.00	RF	39	37	38	93	7	33	29.82	29.91	
04	10	14					10.00		47	40	44	77	3	07	29.84	29.92		04	10	8					4.00	RF	40	39	40	96	7	06	29.75	29.84	
07	10	37					10.00	R	47	40	44	77	8	07	29.84	29.91		07	10	10					7.00	R	39	36	38	89	8	05	29.77	29.85	
10	10	24					10.00		49	41	45	74	9	07	29.80	29.89		10	10	12					3.00	RF	40	37	39	89	8	05	29.77	29.85	
13	10	7					1.75	RF	50	49	50	96	8	05	29.75	29.83		13	10	8					5.00	RF	40	37	39	89	9	01	29.77	29.85	
16	10	23					2.50	RF	50	48	49	93	14	05	29.66	29.74		16	10	12					10.00	R	39	37	38	93	14	30	29.75	29.84	
19	10	29					2.50	RF	47	46	47	96	15	05	29.61	29.70		19	10	48					10.00	R	38	33	36	82	10	34	29.80	29.88	
22	10	12					7.00	R	47	45	46	93	17	35	29.64	29.73		22	0	NC					10.00	R	35	31	33	85	10	33	29.82	29.91	
SUNRISE: 0545 APR 02 SUNSET: 1828																																			
01	10	60					10.00	R	41	38	40	89	23	34	29.68	29.76		01	0	NC					7.00		32	29	31	89	9	29	29.86	29.94	
04	10	70					10.00		40	33	37	76	16	34	29.71	29.80		04	0	NC					7.00		32	27	30	82	13	30	29.86	29.96	
07	10	NC					10.00		40	30	36	68	22	32	29.80	29.87		07	0	NC					7.00		34	27	31	76	10	30	29.93	30.02	
10	2	NC					10.00		43	28	37	56	22	35	29.86	29.95		10	0	NC					10.00		42	18	33	38	20	30	29.95	30.03	
13	0	NC					10.00		49	25	39	39	18	34	29.82	29.91		13	1	NC					10.00		45	19	35	35	8	26	29.91	30.00	
16	0	NC					10.00		50	24	40	36	23	30	29.82	29.90		16	3	70					10.00		46	17	36	31	8	31	29.89	29.98	
19	0	NC					10.00		45	19	35	35	12	32	29.86	29.95		19	2	NC					10.00		45	19	35	35	3	14	29.91	29.98	
22	0	NC					10.00		39	22	33	51	7	30	29.91	30.00		22	10	75					10.00		41	30	37	65	9	14	29.91	30.00	
SUNRISE: 0543 APR 03 SUNSET: 1829																																			
01	0	NC					10.00		37	22	32	55	6	27	29.93	30.01		01	10	55					10.00		42	34	39	73	5	08	29.86	29.94	
04	0	NC					10.00		36	23	31	59	7	26	29.95	30.04		04	10	15					5.00	RF	40	37	39	89	8	13	29.82	29.91	
07	10	NC					10.00		37	26	33	65	0	00	29.96	30.05		07	10	8					3.00	RF	37	35	36	93	14	10	29.82	29.90	
10	10	NC					10.00		54	30	44	40	13	22	29.91	30.00		10	10	6					2.00	RSF	35	34	35	96	12	07	29.80	29.88	
13	10	NC					10.00		60	30	47	32	16	24	29.82	29.90		13	10	6					3.00	RSF	36	34	35	93	15	05	29.73	29.82	
16	0	NC					10.00		63	31	48	30	15	21	29.73	29.80		16	10	8					1.00	SF	35	33	34	92	13	01	29.68	29.77	
19	0	NC					10.00		59	31	46	35	5	18	29.70	29.78		19	10	9					3.00	SF	34	32	33	92	13	35	29.70	29.78	
22	0	NC					10.00		52	31	43	45	3	14	29.73	29.80		22	10	11					2.50	SF	33	32	33	96	12	31	29.70	29.78	
SUNRISE: 0541 APR 04 SUNSET: 1830																																			
01	0	NC					10.00		48	35	42	61	9	05	29.73	29.81		01	10	25					5.00	RF	35	33	34	92	15	30	29.66	29.74	
04	0	NC					10.00		42	32	38	68	7	04	29.77	29.85		04	10	55					10.00		36	28	33	73	18	31	29.66	29.74	
07	0	NC					10.00		42	31	38	65	9	04	29.82	29.90		07	1	NC					10.00		35	25	31	67	21	30	29.71	29.80	
10	1	NC					10.00		50	33	43	52	8	06	29.82	29.89		10	0	NC					10.00		41	26	35	55	20	30	29.70	29.79	
13	0	NC					10.00		55	37	47	51	8	17	29.75	29.83		13	7	50					10.00		44	22	36	42	23	31	29.68	29.76	
16	0	NC					10.00		50	31	42	48	14	16	29.70	29.79		16	7	55					10.00		45	24	37	44	25	30	29.64	29.72	
19	1	NC					10.00		49	37	44	64	7	16	29.70	29.78		19	2	NC					10.00		42	30	37	63	18	30	29.66	29.75	
22	5	NC					10.00		48	32	41	54	6	08	29.71	29.79		22	0	NC					10.00		39	30	35	70	16	28	29.71	29.80	
SUNRISE: 0540 APR 05 SUNSET: 1831																																			
01	10	50					10.00		46	32	40	58	7	04	29.70	29.78		01	0	NC					10.00		41	30	37	65	17	28	29.70	29.78	
04	10	50					10.00		46	31	40	56	5	02	29.70	29.78		04	0	NC					10.00		39	27	34	62	9	25	29.71	29.80	
07	10	50					10.00		47	22	37	37	8	35	29.77	29.84		07	0	NC					10.00		41	24	35	51	14	26	29.75	29.83	
10	10	21					10.00		45	28	38	52	16	36	29.88	29.95		10	0	NC					10.00		55	30	44	39	23	29	29.77	29.85	
13	10	21					10.00		42	34	39	73	15	33	29.93	30.00		13	0	NC					10.00		62	29	47	29	23	31	29.73	29.80	
16	6	NC					10.00		46	29	39	52	14	35	29.91	30.00		16	0	NC					10.00		66	32	50	28	16	28	29.68	29.76	
19	0	NC					10.00		44	24	36	45	10	33	29.95	30.03		19	1	NC					10.00		63	34	49	34	7	26	29.70	29.79	
22	0	NC					10.00		38	25	33	60	5	31	30.00	30.09		22	0	NC					10.00		57	34	46	42	6	23	29.73	29.80	
SUNRISE: 0538 APR 06 SUNSET: 1832																																			
01	0	NC					10.00		36	24	32	62	6	01	29.98	30.06		01	0	NC					10.00		53	35	45	51	8	24	29.70	29.79	
04	0	NC					10.00		35	24	31	64	6	31	29.98	30.06		04	8	100					10.00		56	34	46	44	12	24	29.66	29.75	
07	0	NC					10.00		37	24	32	59	7	01	29.98	30.06		07	0	NC					10.00		56	36	47	47	8	24	29.68	29.77	
10	1	NC					10.00		42	26	36	53	7	06	29.98	30.06		10	0	NC					10.00		66	38	52	36	13	23	29.66	29.75	
13	3	75					10.00		47	26	39	44	9	20	29.95	30.02		13	0	NC					10.00		76	40	57	28	16	23	29.61	29.69	
16	8	80					10.00		46	30	39	54	10	16	29.88	29.96		16	0	NC					10.00		76	45	59	33	9	23	29.55	29.64	
19	10	55					10.00		44	31	39	60	8	18	29.84	29.92		19	0	NC					10.00		71	47	58	43	6	22	29.57	29.65	
22	10	30					10.00	R	41	32	37	70	7	23	29.86	29.94		22	0	NC					10.00		66	47	56	51					

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

APRIL 1996
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												0.01	01	0.10	0.05	0.03	0.05	0.13	0.25	0.37	0.15	0.19	0.18	0.03	0.02	01	1.56
02	T	0.01	0.01										02													02	0.02
03													03													03	0.00
04													04													04	0.00
05													05													05	0.00
06													06													06	0.00
07		0.01	0.03	0.03	0.02	0.02	0.03	0.03	0.03	0.01	0.02	0.04	07	0.04	0.04	0.05	0.04	0.01								07	0.45
08													08													08	0.00
09					0.01	0.05	0.05	0.04	0.06	0.06	0.05	0.06	09	0.05	0.04	0.03	0.05									09	0.55
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													15								0.04	0.09	0.28	0.06	15	0.47	
16	0.01	0.04			0.54	0.10							16													16	0.69
17													17												0.03	17	0.03
18													18													18	0.00
19													19													19	0.00
20													20													20	0.00
21													21													21	0.00
22													22													22	0.00
23													23						0.18	0.05						23	0.23
24													24													24	0.00
25													25													25	0.00
26													26				0.06									26	0.06
27													27													27	0.00
28													28													28	0.00
29				0.04	0.06	0.02							29													29	0.12
30										0.02	0.34	0.02	30	0.03	T	0.06	0.32	0.10	0.07	T					30	0.96	

PUBLISHED BY: NCDC, ASHEVILLE, NC.

MONTHLY TOTAL 5.14

SUPPLEMENTARY MAXIMUM SHORT DURATION PRECIPITATION (MSDP)

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.17	0.29	0.34	0.38	0.42	0.51	0.53	0.56	0.61	0.70	0.78	0.86
ENDED: DATE	16	16	16	16	16	16	16	16	16	01	01	01
ENDED: TIME	0426	0429	0434	0438	0449	0457	0510	0528	0550	1931	1935	1944

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

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.
M = Missing Data.
* = Data distribution unknown.
First HPD value that follows is the total accumulated amount.

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION,
AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER.

Kenneth D Haden

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE NATIONAL CLIMATIC DATA CENTER DIRECTOR
ASHEVILLE, NORTH CAROLINA NATIONAL CLIMATIC DATA CENTER

Inquiries/Comments Call: (704) 271-4800

To change your address, please return a copy of the mailing label
with your address to: National Climatic Data Center
(Subscription Service).

NATIONAL CLIMATIC DATA CENTER
151 PATTON AVE ROOM 120
ASHEVILLE, NORTH CAROLINA 28801-5001

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE \$300

FIRST CLASS
POSTAGE AND FEES PAID
NOAA
PERMIT G-19