



APRIL 2003

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

WILMINGTON, DE

NEW CASTLE COUNTY AP (ILG)

Lat: 39° 40' N Long: 75° 36' W Elev (Ground): 92 Feet

Time Zone: EASTERN WBAN: 13781 ISSN #:0198-117X

DATE	TEMPERATURE °F						DEG DAYS BASE 65°		WEATHER	SNOW/ICE ON GND (IN)		PRECIPITATION (INCHES)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								DATE
	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 SPEED	RES DIR	AVERAGE SPEED	MAXIMUM					
																			5-SEC		2-MIN			
																			SPEED	DIR	SPEED	DIR		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
01	56	28*	42	-6	31	38	23	0	RA	0		0.0	T	29.94	30.03	5.8	20	6.8	29	21	22	22	01	
02	76	37	57	9	43	48	8	0		0		0.0	0.00	29.87	29.95	3.8	17	6.6	24	19	18	19	02	
03	63	42	53	5	44	47	12	0	TS BR HZ	0		0.0	0.00	29.89	29.97	7.2	09	10.2	22	05	18	05	03	
04	48	40	44	-5	41	43	21	0	RA BR	0		0.0	T	29.85	29.94	11.1	07	11.5	22	07	18	08	04	
05	49	40	45	-4	42	43	20	0	RA BR HZ	0		0.0	0.01	29.82	29.90	4.1	07	7.2	23	30	18	30	05	
06	52	36	44	-5	24	36	21	0		0		0.0	0.00	30.25	30.33	7.9	33	11.5	30	30	23	31	06	
07	41	32	37	-12	31	34	28	0	RA SN FG+ BR	0		T	0.39	30.32	30.41	15.0	05	15.5	35	05	26	05	07	
08	38	35	37*	-13	33	35	28	0	BR	0		0.0	0.00	30.22	30.31	11.2	05	11.5	26	05	22	05	08	
09	42	36	39	-11	36	38	26	0	RA BR	0		0.0	0.45	30.05	30.14	13.0	02	13.2	25	01	23	01	09	
10	50	38	44	-6	33	39	21	0	RA	0		0.0	T	30.00	30.08	18.2	04	18.7	35	03	28	04	10	
11	47	39	43	-8	40	42	22	0	RA BR	0		0.0	0.75	29.66	29.74	16.3	03	17.2	36	03	29	04	11	
12	68	45	57	6	40	48	8	0	RA BR	0		0.0	0.15	29.58	29.66	12.6	32	13.7	28	28	23	29	12	
13	61	40	51	0	29	42	14	0		0		0.0	0.00	30.04	30.13	7.6	32	8.4	24	36	20	36	13	
14	62	35	49	-3	30	42	16	0		0		0.0	0.00	30.26	30.35	5.1	16	7.3	20	17	16	17	14	
15	77	46	62	10	45	53	3	0		0		0.0	0.00	30.02	30.11	7.9	20	8.2	21	18	17	19	15	
16	86*	59	73*	21	49	59	0	8		0		0.0	0.00	29.81	29.90	6.8	25	12.0	36	06	30	06	16	
17	60	38	49	-4	29	38	16	0	RA VCTS	0		0.0	T	30.20	30.28	17.4	07	17.6	36	06	30*	06	17	
18	48	37	43	-10	32	38	22	0	RA HZ	0		0.0	0.18	30.32	30.41	12.5	06	12.7	23	07	20	06	18	
19	65	43	54	1	39	46	11	0	BR	0		0.0	0.00	30.29	30.37	8.1	06	9.2	18	08	15	10	19	
20	67	37	52	-2	40	47	13	0		0		0.0	0.00	30.15	30.23	3.0	09	6.3	20	15	16	16	20	
21	57	44	51	-3	43	47	14	0		0		0.0	0.00	29.86	29.95	6.8	14	7.7	22	17	18	17	21	
22	69	45	57	2	48	52	8	0	RA BR HZ	0		0.0	0.03	29.65	29.73	7.9	30	9.3	32	31	26	30	22	
23	59	41	50	-5	29	40	15	0		0		0.0	0.00	29.79	29.87	15.1	30	16.0	38*	29	28	29	23	
24	64	38	51	-5	23	40	14	0		0		0.0	0.00	29.87	29.95	11.1	29	11.9	31	28	25	28	24	
25	68	41	55	-1	33	46	10	0	RA BR	0		0.0	0.28	29.79	29.88	7.1	14	8.9	22	14	18	14	25	
26	59	53	56	0	53	55	9	0	RA BR	0		0.0	0.38	29.62	29.70	7.0	02	9.5	20	03	17	04	26	
27	69	49	59	2	44	52	6	0		0		0.0	0.00	29.84	29.93	8.3	29	9.0	22	32	18	28	27	
28	76	43	60	3	40	51	5	0		0		0.0	0.00	29.90	29.98	6.2	21	6.7	23	16	17	19	28	
29	78	49	64	7	53	57	1	0	RA BR	0		0.0	T	29.80	29.89	4.5	28	5.7	30	31	25	30	29	
30	70	51	61	3	41	50	4	0		0		0.0	0.00	30.02	30.10	4.6	10	10.3	21	15	18	16	30	
60.8 41.2 51.0 ■■ 37.9 44.9 14.0 0.3 < MONTHLY AVERAGES TOTALS-->												T	2.62	29.96	30.04	3.3	03	10.7	<-- MONTHLY AVERAGES					
-1.8 -.9 -1.4 ■■ <-----DEPARTURE FROM NORMAL----->													-.77	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.75 DATE :11					SEA LEVEL PRESSURE DATE TIME										
MONTHLY TOTAL DEPARTURE 419 43									GREATEST 24-HR SNOWFALL: T DATE :07					MAXIMUM : 30.52 07 0751										
SEASON TO DATE TOTAL DEPARTURE 5149 408									GREATEST SNOW DEPTH: 0 DATE :					MINIMUM : 29.51 12 0251										
HEATING: 419 43									NUMBER OF DAYS WITH → MAXIMUM TEMP ≥ 90: 0					MINIMUM TEMP ≤ 32 : 2					PRECIPITATION ≥ 0.01 INCH : 9					
COOLING: 8 -1									MAXIMUM TEMP ≤ 32 : 0					MINIMUM TEMP ≤ 0 : 0					PRECIPITATION ≥ 0.10 INCH : 7					
									THUNDERSTORMS : 1					HEAVY FOG : 1					SNOWFALL ≥ 1.0 INCH : 0					

APRIL 2003
WILMINGTON, DE

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

APRIL 2003

ILG

WBAN # 13781

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note)	2400 LST	
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			Water	Equiv.
01												T	01			T									01			T	
02													02												02			0.00	
03													03												03			0.00	
04													04										T	T	04			T	
05		T		T					0.01	T			05												05			0.01	
06													06	0.02	0.01	0.01	T	0.03	0.01	0.01	T	0.01	T		06			0.00	
07								T	0.07	0.08	0.05	0.09	07												07			0.39	
08								0.06	0.04	0.04	0.06	0.03	08	T	0.01										08			0.00	
09			T	0.04	0.06	0.06	0.05	0.06	0.04	0.04	0.06	0.03	09												09			0.45	
10													10	T	0.01								T	T	10			T	
11	T	0.05	0.06	0.05	0.12	0.04	0.09	0.32	0.02	T	T		11		T	T									11			0.75	
12		0.03	0.06	0.02	0.03	0.01							12												12			0.15	
13													13												13			0.00	
14													14												14			0.00	
15													15												15			0.00	
16													16												16			0.00	
17					T	T					T	T	17	T											17			T	
18							T	0.08	0.05	0.04			18		0.01										18			0.18	
19													19												19			0.00	
20													20												20			0.00	
21													21				T	T							21			0.00	
22			T	T	T				T				22		0.01	0.02	T	T							22			0.03	
23													23												23			0.00	
24													24												24			0.00	
25													25						T	0.02	0.07	0.09	0.04	0.06	25			0.28	
26	0.10	0.06	0.04	0.03		0.02	0.04	0.01	T		T		26		0.05	0.03									26			0.38	
27													27												27			0.00	
28													28												28			0.00	
29													29	T	T										29			T	
30													30												30			0.00	

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.04	.07	.10	.13	.19	.27	.33	.40	.41	.42	.43	.46
Ending Date	18	11	11	11	11	11	11	11	11	11	11	11
Ending Time (Hour/Min)	0714	0724	0722	0709	0722	0726	0750	0757	0757	0819	0819	0757

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

* = Extreme for the month (last occurrence if more than one)
T = Trace precipitation amount
+ = also occurs on earlier date
FG+ = Heavy fog, visibility .25 miles or less
BLANK entries denote missing or unreported data

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

WEATHER NOTATIONS

**WILMINGTON, DE
APRIL 2003**

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. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) 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 = 0–2 oktas, Partly Cloudy = 3–6 oktas, Cloudy = 7–8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

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 cooled to saturation at constant pressure by evaporation of water into it.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							10.00	10.00	
02							7.00	10.00	
03							2.50	10.00	
04							2.50	10.00	
05							1.50	10.00	
06							10.00	10.00	
07							.25	10.00	
08							3.00	10.00	
09							5.00	10.00	
10							10.00	10.00	
11							2.00	10.00	
12							3.00	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							2.00	10.00	
19							6.00	10.00	
20							10.00	10.00	
21							9.00	10.00	
22							2.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							4.00	10.00	
26							2.00	10.00	
27							7.00	10.00	
28							10.00	10.00	
29							5.00	10.00	
30							8.00	10.00	
MONTHLY AVGS							6.57	9.97	
SUNSHINE (MINUTES)									
Total: Possible:									
Percent Possible:									
NUMBER OF DAYS WITH:									
SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING									
30									
MINIMUM VISIBILITY (MILES)									
<=0.25 <=3.0 >=7.0									
0 8 16									

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

APRIL 2003

ILG

WBAN # 13781

HOUR (LST)				SATELLITE		WEATHER	TEMPERATURE °F				RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)		HOUR (LST)				SATELLITE		WEATHER	TEMPERATURE °F				RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)	
	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	SPEED (MPH)		DIRECTION TENS OF DEG	STATION	SEA LEVEL	OBSERVATION TIME (LST)		EFF CLD AMT Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL					
SUNRISE: 0547				APR 01				SUNSET: 1826				SUNRISE: 0538				APR 07				SUNSET: 1832											
01	CLR	NC			10.00	33	21	29	61	12	23	30.06	30.15	01	CLR	NC			10.00	41	31	37	67	8	08	30.41	30.50				
04	CLR	NC			10.00	30	23	28	75	3	26	30.08	30.17	04	OVC	080			10.00	40	27	35	60	12	06	30.39	30.48				
07	CLR	NC			10.00	32	26	30	79	0	00	30.10	30.19	07	OVC	055			10.00	38	22	32	53	14	06	30.43	30.52				
10	FEW	NC			10.00	42	32	38	68	13	16	30.03	30.12	10	OVC	007			0.50	-SN BR	33	31	32	92	12	05	30.40	30.49			
13	BKN	080			10.00	50	35	43	57	17	19	29.88	29.97	13	OVC	009			10.00	34	32	33	92	24	05	30.29	30.39				
16	BKN	100			10.00	53	34	44	49	12	20	29.79	29.88	16	OVC	011			3.00	-RA BR	35	33	34	93	18	05	30.23	30.32			
19	BKN	120			10.00	54	34	45	47	0	00	29.79	29.88	19	OVC	009			5.00	-RA BR	35	33	34	93	17	04	30.23	30.32			
22	CLR	NC			10.00	48	38	43	68	0	00	29.82	29.91	22	OVC	011			10.00	36	33	35	89	17	04	30.21	30.30				
SUNRISE: 0546				APR 02				SUNSET: 1827				SUNRISE: 0536				APR 08				SUNSET: 1833											
01	FEW	NC			10.00	38	35	37	89	5	35	29.85	29.93	01	OVC	007			10.00	35	33	34	93	16	04	30.18	30.27				
04	CLR	NC			10.00	38	35	37	89	5	35	29.89	29.98	04	OVC	012			10.00	35	32	34	89	17	05	30.20	30.29				
07	CLR	NC			7.00	42	39	41	89	3	23	29.93	30.02	07	OVC	012			10.00	35	31	33	85	14	05	30.25	30.34				
10	CLR	NC			9.00	52	43	48	72	5	14	29.95	30.04	10	OVC	010			8.00	35	32	34	89	10	04	30.29	30.38				
13	CLR	NC			10.00	70	45	57	41	8	22	29.89	29.98	13	OVC	010			8.00	36	32	34	86	13	06	30.24	30.33				
16	CLR	NC			10.00	73	46	58	38	13	14	29.81	29.90	16	OVC	010			7.00	37	33	35	86	8	04	30.22	30.31				
19	CLR	NC			10.00	61	46	53	58	10	16	29.79	29.88	19	OVC	010			3.00	BR	36	35	36	97	7	03	30.22	30.32			
22	CLR	NC			10.00	55	47	51	74	6	15	29.80	29.89	22	OVC	009			9.00	36	33	35	89	9	08	30.18	30.27				
SUNRISE: 0544				APR 03				SUNSET: 1828				SUNRISE: 0535				APR 09				SUNSET: 1834											
01	CLR	NC			7.00	50	44	47	80	18	05	29.84	29.93	01	OVC	014			10.00	37	33	35	86	10	04	30.15	30.24				
04	CLR	NC		BR	5.00	44	41	43	89	7	01	29.88	29.96	04	OVC	008			5.00	-RA BR	36	34	35	93	12	03	30.10	30.19			
07	OVC	007		BR	2.50	45	42	44	90	10	06	29.92	30.01	07	OVC	009			5.00	-RA BR	36	34	35	93	14	02	30.06	30.15			
10	OVC	009		HZ	3.00	49	44	47	83	8	07	29.96	30.05	10	OVC	009			7.00	-RA	38	36	37	93	15	02	30.04	30.14			
13	CLR	NC			7.00	57	46	51	67	7	07	29.89	29.98	13	OVC	011			10.00	41	39	40	93	16	01	30.01	30.10				
16	FEW	NC			9.00	58	48	53	70	13	15	29.83	29.92	16	OVC	011			10.00	42	38	40	85	16	01	29.99	30.08				
19	CLR	NC			8.00	48	45	47	89	15	15	29.85	29.94	19	OVC	013			10.00	41	37	39	86	12	02	30.03	30.12				
22	OVC	008			7.00	45	42	44	90	10	09	29.88	29.97	22	OVC	013			10.00	40	36	38	86	14	02	30.04	30.13				
SUNRISE: 0542				APR 04				SUNSET: 1829				SUNRISE: 0533				APR 10				SUNSET: 1835											
01	OVC	004		BR	5.00	43	42	43	97	8	05	29.85	29.93	01	OVC	040			10.00	40	35	38	83	9	02	30.06	30.14				
04	OVC	002		BR	4.00	43	42	43	97	9	06	29.81	29.90	04	CLR	NC			10.00	38	33	36	83	20	02	30.01	30.11				
07	OVC	004			7.00	43	42	43	97	9	06	29.84	29.93	07	BKN	019			10.00	39	33	37	79	20	05	30.07	30.16				
10	OVC	008			10.00	45	41	43	86	13	07	29.88	29.96	10	OVC	020			10.00	41	33	38	74	18	04	30.06	30.15				
13	OVC	012			10.00	47	42	45	83	12	08	29.86	29.95	13	CLR	NC			10.00	46	35	41	66	18	03	30.00	30.09				
16	OVC	012			10.00	46	41	44	83	13	09	29.84	29.92	16	CLR	NC			10.00	48	31	41	52	20	06	29.95	30.04				
19	OVC	008			10.00	43	39	41	86	10	07	29.87	29.96	19	SCT	NC			10.00	45	30	39	56	17	06	29.94	30.03				
22	OVC	006			9.00	41	39	40	93	13	08	29.87	29.95	22	OVC	085			10.00	43	32	38	65	23	05	29.91	30.00				
SUNRISE: 0541				APR 05				SUNSET: 1830				SUNRISE: 0532				APR 11				SUNSET: 1836											
01	OVC	006			8.00	40	39	40	97	10	07	29.87	29.96	01	BKN	090			10.00	-RA	41	32	37	70	24	04	29.83	29.92			
04	OVC	004		BR	3.00	40	39	40	97	9	07	29.83	29.92	04	OVC	015			4.00	RA BR	40	37	39	89	18	04	29.77	29.85			
07	OVC	005		BR	4.00	41	40	41	96	13	09	29.81	29.89	07	OVC	013			2.50	RA BR	40	38	39	93	21	04	29.77	29.85			
10	OVC	007			9.00	43	41	42	93	7	03	29.83	29.91	10	OVC	011			3.00	-RA BR	42	41	42	96	24	04	29.70	29.79			
13	OVC	007			10.00	45	43	44	93	0	00	29.77	29.86	13	OVC	012			10.00	45	42	44	90	18	03	29.64	29.73				
16	OVC	007		BR	6.00	47	44	46	90	9	15	29.73	29.81	16	OVC	008			7.00	46	43	45	89	14	02	29.57	29.66				
19	OVC	011			7.00	49	45	47	86	0	00	29.80	29.88	19	OVC	010			10.00	47	44	46	90	13	01	29.55	29.64				
22	FEW	NC		BR	4.00	45	43	44	93	0	00	29.87	29.96	22	OVC	007			7.00	45	43	44	93	12	35	29.51	29.60				
SUNRISE: 0539				APR 06				SUNSET: 1831				SUNRISE: 0530				APR 12				SUNSET: 1837											
01	FEW	NC			10.00	45	34	40	66	14	31	29.98	30.07	01	OVC	011			10.00	45	43	44	93	14	33	29.46	29.55				
04	CLR	NC			10.00	39	25	34	57	21	31	30.08	30.16	04	OVC	018			3.00	RA BR	46	45	46	96	14	31	29.43	29.52			
07	CLR	NC			10.00	38	21	32	51	21	31	30.18	30.27	07	OVC	031			10.00	47	44	46	90	13	31	29.48	29.57				
10	CLR	NC			10.00	44	21	35	40	12	33	30.26	30.35	10	OVC	042			10.00	56	45	50	67	10	32	29.55	29.63				
13	CLR	NC			10.00	49	20	38	32	5	VR	30.28	30.37	13	BKN	041			10.00	63	44	53	50	18	28	29.57	29.66				
16	CLR	NC			10.00	52	19	39	27	7	VR	30.29	30.37	16	CLR	NC			10.00	67	36	52	32	16	30	29.58	29.67				
19	CLR	NC			10.00	47	22	37																							

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

APRIL 2003

ILG

WBAN # 13781

HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
			SUNRISE: 0529		APR 13			SUNSET: 1838									SUNRISE: 0520		APR 19			SUNSET: 1844					
01	CLR	NC		10.00		49	32	42	52	9	36	29.86	29.95	01	OVC	013		10.00		44	40	42	85	14	06	30.32	30.41
04	CLR	NC		10.00		46	32	40	58	6	32	29.89	29.98	04	OVC	009		10.00		43	40	42	89	10	04	30.29	30.38
07	CLR	NC		10.00		47	34	41	61	8	32	30.00	30.09	07	OVC	007		6.00	BR	44	41	43	89	9	04	30.33	30.42
10	CLR	NC		10.00		53	28	42	38	9	33	30.06	30.15	10	OVC	015		10.00		48	41	45	77	12	06	30.34	30.42
13	CLR	NC		10.00		57	26	44	30	8	34	30.06	30.15	13	CLR	NC		10.00		58	42	50	56	7	07	30.28	30.37
16	CLR	NC		10.00		60	27	46	28	10	30	30.05	30.13	16	CLR	NC		10.00		64	38	51	38	10	03	30.22	30.30
19	CLR	NC		10.00		55	27	43	34	6	27	30.10	30.18	19	CLR	NC		10.00		55	31	44	40	12	11	30.24	30.33
22	CLR	NC		10.00		48	27	39	44	5	35	30.16	30.25	22	CLR	NC		10.00		50	42	46	74	5	10	30.27	30.36
			SUNRISE: 0527		APR 14			SUNSET: 1839									SUNRISE: 0518		APR 20			SUNSET: 1845					
01	CLR	NC		10.00		42	28	37	58	0	00	30.22	30.31	01	CLR	NC		10.00		46	40	43	79	6	05	30.24	30.33
04	CLR	NC		10.00		40	30	36	68	3	28	30.26	30.35	04	CLR	NC		10.00		42	37	40	82	5	04	30.20	30.29
07	CLR	NC		10.00		42	29	37	60	5	31	30.31	30.40	07	CLR	NC		10.00		46	41	44	83	5	33	30.22	30.30
10	CLR	NC		10.00		55	25	43	31	3	VR	30.34	30.42	10	CLR	NC		10.00		56	39	48	53	6	05	30.20	30.29
13	CLR	NC		10.00		60	28	46	30	15	15	30.29	30.38	13	FEW	NC		10.00		63	37	50	38	3	VR	30.14	30.23
16	CLR	NC		10.00		61	31	47	32	14	16	30.23	30.32	16	CLR	NC		10.00		66	40	53	39	0	00	30.09	30.18
19	CLR	NC		10.00		53	31	43	43	13	16	30.22	30.31	19	CLR	NC		10.00		56	46	51	70	13	16	30.07	30.16
22	CLR	NC		10.00		49	32	42	52	5	17	30.22	30.30	22	CLR	NC		10.00		52	47	49	83	0	00	30.05	30.14
			SUNRISE: 0526		APR 15			SUNSET: 1840									SUNRISE: 0517		APR 21			SUNSET: 1846					
01	CLR	NC		10.00		50	34	43	54	6	19	30.19	30.28	01	CLR	NC		10.00		49	30	41	48	0	00	30.03	30.12
04	CLR	NC		10.00		47	35	42	63	7	18	30.13	30.22	04	OVC	022		10.00		48	31	41	52	0	00	30.00	30.09
07	CLR	NC		10.00		50	37	44	61	7	19	30.14	30.23	07	OVC	014		10.00		47	34	41	61	7	11	29.96	30.05
10	FEW	NC		10.00		63	43	53	48	10	23	30.11	30.20	10	OVC	021		10.00		54	40	47	59	3	VR	29.92	30.01
13	FEW	NC		10.00		73	49	60	43	10	21	30.02	30.11	13	BKN	080		10.00		54	49	51	83	14	15	29.86	29.94
16	CLR	NC		10.00		77	50	62	39	12	19	29.92	30.01	16	CLR	NC		10.00		53	49	51	86	14	16	29.77	29.86
19	CLR	NC		10.00		69	51	59	53	7	17	29.88	29.97	19	BKN	009		10.00		52	49	50	89	10	16	29.74	29.83
22	CLR	NC		10.00		66	54	59	65	6	21	29.86	29.95	22	OVC	005		10.00		52	50	51	93	7	13	29.72	29.81
			SUNRISE: 0524		APR 16			SUNSET: 1841									SUNRISE: 0516		APR 22			SUNSET: 1847					
01	CLR	NC		10.00		66	54	59	65	10	21	29.84	29.93	01	OVC	003		8.00		53	51	52	93	5	12	29.66	29.75
04	CLR	NC		10.00		62	53	57	73	8	22	29.83	29.92	04	OVC	003		4.00	-RA BR	53	52	52	96	3	35	29.63	29.72
07	FEW	NC		10.00		62	52	56	70	8	23	29.86	29.95	07	OVC	003		3.00	BR	53	52	52	96	7	05	29.63	29.71
10	CLR	NC		10.00		76	52	62	43	10	23	29.83	29.92	10	BKN	085		8.00		58	53	55	84	0	00	29.63	29.71
13	CLR	NC		10.00		83	44	61	26	16	26	29.77	29.86	13	SCT	NC		10.00		67	48	57	51	5	28	29.59	29.68
16	FEW	NC		10.00		84	44	62	25	20	27	29.73	29.82	16	OVC	060		9.00	-RA	58	50	54	75	13	28	29.61	29.70
19	CLR	NC		10.00		76	47	60	36	6	21	29.75	29.84	19	OVC	055		10.00		57	44	50	62	17	30	29.63	29.72
22	BKN	110		10.00		72	47	58	41	12	02	29.82	29.91	22	BKN	046		10.00		50	37	44	61	21	30	29.70	29.79
			SUNRISE: 0523		APR 17			SUNSET: 1842									SUNRISE: 0514		APR 23			SUNSET: 1848					
01	SCT	NC		10.00		55	41	48	59	17	07	29.96	30.04	01	CLR	NC		10.00		45	34	40	66	12	29	29.72	29.81
04	FEW	NC		10.00		47	34	41	61	20	05	30.04	30.13	04	CLR	NC		10.00		44	33	39	65	13	29	29.73	29.81
07	FEW	NC		10.00		45	27	38	49	20	06	30.12	30.21	07	OVC	038		10.00		44	30	38	58	25	29	29.79	29.88
10	FEW	NC		10.00		48	23	38	37	22	07	30.20	30.28	10	OVC	040		10.00		46	30	39	54	18	31	29.82	29.91
13	FEW	NC		10.00		46	28	39	50	17	06	30.24	30.33	13	CLR	NC		10.00		56	26	43	32	18	30	29.77	29.86
16	OVC	041		10.00		45	28	38	52	21	07	30.25	30.34	16	CLR	NC		10.00		57	24	43	28	23	30	29.73	29.82
19	OVC	040		10.00		40	25	34	55	15	06	30.29	30.37	19	OVC	100		10.00		50	28	41	43	12	36	29.77	29.86
22	OVC	034		10.00		38	27	34	65	16	07	30.33	30.42	22	CLR	NC		10.00		42	28	36	58	8	33	29.87	29.96
			SUNRISE: 0521		APR 18			SUNSET: 1843									SUNRISE: 0513		APR 24			SUNSET: 1849					
01	OVC	024		10.00		38	29	34	70	16	06	30.31	30.40	01	CLR	NC		10.00		42	26	36	53	5	25	29.87	29.96
04	OVC	020		10.00		38	31	35	76	13	05	30.28	30.37	04	CLR	NC		10.00		41	26	35	55	12	27	29.86	29.95
07	OVC	016		10.00	-RA	38	31	35	76	10	05	30.32	30.41	07	CLR	NC		10.00		42	23	35	47	15	30	29.93	30.01
10	OVC	011		9.00		39	31	36	73	12	05	30.34	30.43	10	CLR	NC		10.00		51	21	39	31	17	27	29.92	30.01
13	OVC	016		10.00		44	31	39	60	12	05	30.33	30.42	13	CLR	NC		10.00		60	20	44	21	17	29	29.86	29.95
16	OVC	018		10.00		46	31	40	56	12	05	30.29	30.38	16	CLR	NC		10.00		62	19	44	19	18	32	29.82	29.91
19	OVC	022		10.00		47	30	40	52	12	05	30.31	30.40	19	CLR	NC		10.00		59	19	43	21	6	26	29.84	29.93
22	OVC	050		10.00		45	40	43	83	13	05	30.33	30.42	22	CLR	NC		10.00		54	24	42	31	3	22	29.83	29.92

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

APRIL 2003

ILG

WBAN # 13781

HOUR (LST)	SKY COVER CEILING 100'S OF FT		SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND RELATIVE HUMIDITY (PCT)		PRESSURE (INCHES,HG)		HOUR (LST)	SKY COVER CEILING 100'S OF FT		SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND RELATIVE HUMIDITY (PCT)		PRESSURE (INCHES,HG)	
			OBSERVATION TIME (LST)	EFF CLD AMT Okta			DRY BULB	DEW POINT	WET BULB			STATION	SEA LEVEL				OBSERVATION TIME (LST)	EFF CLD AMT Okta			DRY BULB	DEW POINT	WET BULB			STATION	SEA LEVEL
3-HOURLY OBSERVATION NOTES																											
Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visiblity = 8/8.																											
Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																											
NC= No ceiling detected.																											
& = Original observation contained additional weather elements.																											
See page 3 for additional notes.																											
SUMMARY BY HOUR																											
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)																	
							STATION	SEA LEVEL																			
01			46	38	42	74	29.95	30.04	9.20	9	5	4															
02			46	38	42	75	29.95	30.03	9.02	9	5	3															
03			45	38	42	78	29.95	30.03	8.77	8	5	2															
04			44	37	41	78	29.95	30.04	8.50	9	5	2															
05			43	37	41	78	29.95	30.04	8.70	9	5	2															
06			43	36	40	78	29.97	30.06	8.50	10	6	3															
07			45	37	42	75	29.98	30.07	8.13	11	5	2															
08			48	37	43	70	29.99	30.08	7.88	10	6	2															
09			50	37	44	66	29.99	30.08	8.18	12	6	2															
10			52	37	45	63	29.99	30.08	8.62	11	5	2															
11			54	37	46	59	29.98	30.07	8.98	12	4	3															
12			55	38	47	58	29.97	30.05	9.10	12	2	3															
13			57	38	48	55	29.95	30.04	9.80	12	2	1															
14			58	38	48	53	29.94	30.02	9.37	13	1	32															
15			58	38	49	54	29.92	30.01	9.33	13	1	33															
16			58	38	48	53	29.91	30.00	9.33	13	0	0															
17			57	38	48	54	29.91	30.00	9.53	13	1	16															
18			56	38	47	57	29.91	30.00	9.17	12	1	12															
19			54	38	46	59	29.93	30.02	9.33	10	2	9															
20			52	38	46	63	29.94	30.03	9.23	9	3	8															
21			51	38	45	65	29.95	30.04	9.30	10	4	6															
22			50	40	45	71	29.95	30.04	9.37	9	4	5															
23			49	39	44	72	29.95	30.04	9.53	10	4	3															
24			48	39	44	74	29.95	30.04	9.37	10	5	2															

3-HOURLY OBSERVATION NOTES

Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8,

SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibility = 8/8.

Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.

NC= No ceiling detected.

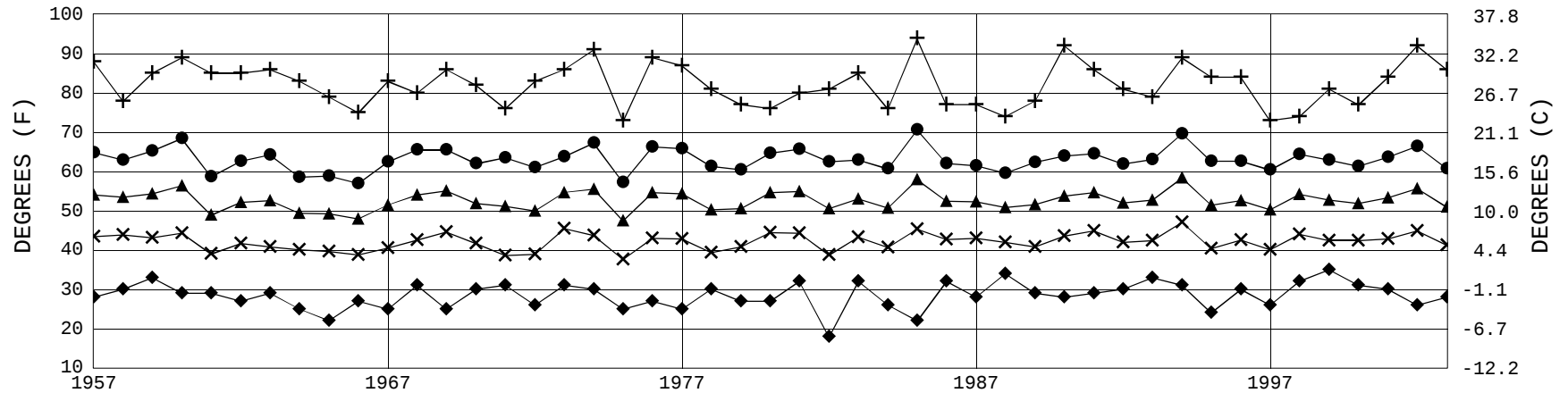
& = Original observation contained additional weather elements.

See page 3 for additional notes.

SUMMARY BY HOUR

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
							STATION	SEA LEVEL				
01			46	38	42	74	29.95	30.04	9.20	9	5	4
02			46	38	42	75	29.95	30.03	9.02	9	5	3
03			45	38	42	78	29.95	30.03	8.77	8	5	2
04			44	37	41	78	29.95	30.04	8.50	9	5	2
05			43	37	41	78	29.95	30.04	8.70	9	5	2
06			43	36	40	78	29.97	30.06	8.50	10	6	3
07			45	37	42	75	29.98	30.07	8.13	11	5	2
08			48	37	43	70	29.99	30.08	7.88	10	6	2
09			50	37	44	66	29.99	30.08	8.18	12	6	2
10			52	37	45	63	29.99	30.08	8.62	11	5	2
11			54	37	46	59	29.98	30.07	8.98	12	4	3
12			55	38	47	58	29.97	30.05	9.10	12	2	3
13			57	38	48	55	29.95	30.04	9.80	12	2	1
14			58	38	48	53	29.94	30.02	9.37	13	1	32
15			58	38	49	54	29.92	30.01	9.33	13	1	33
16			58	38	48	53	29.91	30.00	9.33	13	0	0
17			57	38	48	54	29.91	30.00	9.53	13	1	16
18			56	38	47	57	29.91	30.00	9.17	12	1	12
19			54	38	46	59	29.93	30.02	9.33	10	2	9
20			52	38	46	63	29.94	30.03	9.23	9	3	8
21			51	38	45	65	29.95	30.04	9.30	10	4	6
22			50	40	45	71	29.95	30.04	9.37	9	4	5
23			49	39	44	72	29.95	30.04	9.53	10	4	3
24			48	39	44	74	29.95	30.04	9.37	10	5	2

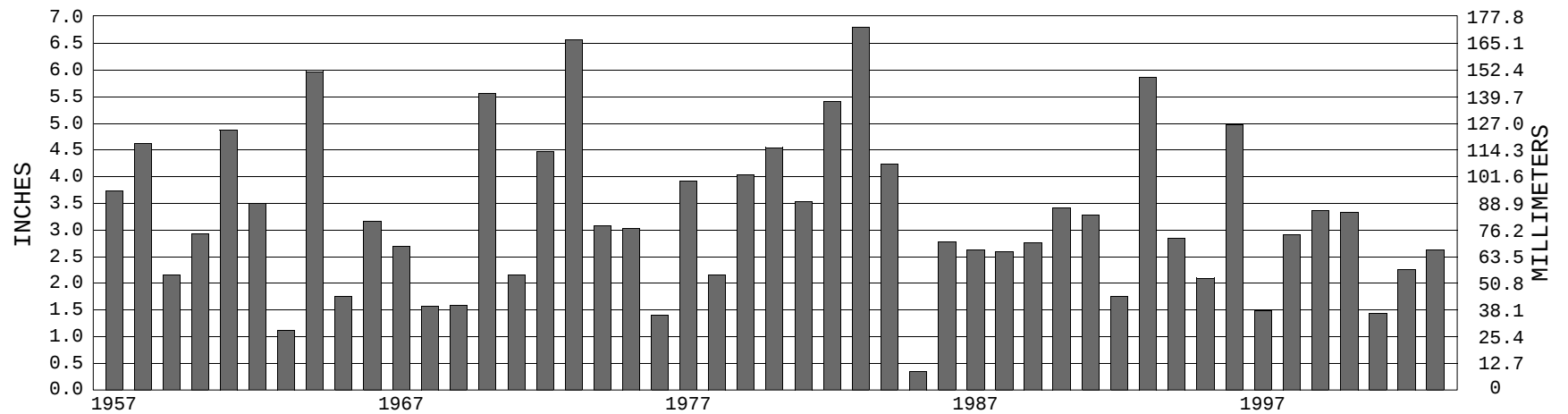
WILMINGTON, DE APRIL TEMPERATURES



+ Extreme Max. ● Mean Max. ▲ Mean × Mean Min. ◆ Extreme Min.

Long-Term (1957-2003) Mean: 52.6 1961-1990 Normal: 52.4

WILMINGTON, DE APRIL PRECIPITATION



Long-Term (1957-2003) Mean Monthly Total: 3.26

1961-1990 Normal: 3.39



APRIL 2003

WILMINGTON, DE

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA – National Weather Service / Department Of Transportation – Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.

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