



MARCH 2005

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

WILMINGTON, DE

NEW CASTLE COUNTY AIRPORT (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											
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	39	28	34	-4	24	30	31	0	SN BR	5	0.5	0.5	0.03	29.39	29.47	9.4	25	10.5	26	22	22	25	01									
02	34	25	30	-8	18	26	35	0	SN	2	0.4	T	T	29.60	29.68	19.9	28	20.2	40	28	35	28	02									
03	32	22	27	-12	11	23	38	0		1		0.0	0.00	29.83	29.91	18.6	28	18.8	37	32	28	30	03									
04	36	19	28	-11	13	24	37	0		1		0.0	0.00	29.91	30.00	6.6	28	7.6	21	29	17	29	04									
05	42	23	33	-6	17	27	32	0		T		0.0	0.00	29.84	29.92	4.0	32	5.7	21	36	15	34	05									
06	51	27	39	0	23	33	26	0		T		0.0	0.00	29.74	29.83	9.4	23	9.9	32	20	26	23	06									
07	69*	34	52	12	32	43	13	0		0		0.0	0.00	29.51	29.60	8.7	19	9.3	37	19	30	19	07									
08	57	21	39	-1	24	32	26	0	RA SN FZFG BR	0		0.5	0.16	29.22	29.30	15.4	30	19.9	52*	30	41*	30	08									
09	34	18	26*	-14	5	20	39	0		1		0.0	0.00	29.75	29.84	16.9	27	17.4	41	29	33	28	09									
10	36	17*	27	-14	11	23	38	0		T		0.0	0.00	29.73	29.82	4.5	28	6.3	24	28	20	26	10									
11	51	31	41	0	28	35	24	0	RA BR	0		0.0	0.04	29.45	29.54	3.2	16	7.6	30	28	24	29	11									
12	47	29	38	-3	24	32	27	0	RA	0		0.0	T	29.43	29.51	10.4	27	11.6	26	28	22	28	12									
13	46	29	38	-4	19	31	27	0		0		0.0	0.00	29.74	29.83	8.8	30	9.5	26	28	20	30	13									
14	41	27	34	-8	17	29	31	0		0		0.0	0.00	29.90	29.99	9.9	31	10.3	29	29	22	31	14									
15	45	25	35	-7	14	29	30	0		0		0.0	0.00	30.03	30.11	12.7	30	13.1	31	29	24	28	15									
16	47	26	37	-6	18	31	28	0		0		0.0	0.00	30.01	30.10	6.9	30	7.9	24	28	20	31	16									
17	46	32	39	-4	18	31	26	0		0		0.0	0.00	29.94	30.03	0.3	36	5.3	13	04	10	15	17									
18	54	25	40	-3	26	35	25	0	HZ	0		0.0	0.00	29.94	30.03	4.4	31	5.4	33	29	23	30	18									
19	50	32	41	-3	25	35	24	0	RA	0		0.0	T	30.07	30.15	4.9	12	8.1	22	17	20	16	19									
20	46	38	42	-2	41	42	23	0	RA BR	0		0.0	0.27	29.92	30.01	2.5	15	5.4	15	16	13	15	20									
21	48	34	41	-3	32	38	24	0		0		0.0	0.00	29.94	30.03	10.5	30	11.0	29	31	23	31	21									
22	53	28	41	-4	31	37	24	0		0		0.0	0.00	30.10	30.19	4.3	19	7.4	21	15	17	16	22									
23	43	36	40	-5	38	39	25	0	RA BR UP	0		0.0	1.31	29.79	29.88	14.3	05	14.8	35	05	30	06	23									
24	47	35	41	-4	32	37	24	0		0		0.0	0.00	29.87	29.96	7.2	34	8.6	22	01	17	01	24									
25	47	36	42	-4	35	39	23	0	RA	0		0.0	T	29.97	30.05	6.1	27	6.7	16	29	14	28	25									
26	49	34	42	-4	31	38	23	0		0		0.0	0.00	30.07	30.15	3.2	09	6.1	16	15	14	16	26									
27	49	40	45	-1	38	41	20	0	RA BR	0		0.0	0.18	30.04	30.13	6.8	09	8.6	21	07	17	07	27									
28	52	40	46	-1	45	46	19	0	RA BR	0		0.0	2.09	29.47	29.56	11.0	04	11.7	28	04	23	04	28									
29	61	44	53*	6	43	47	12	0	RA	0		0.0	T	29.55	29.63	12.5	33	12.7	28	34	22	32	29									
30	61	36	49	1	36	43	16	0		0		0.0	0.00	29.97	30.06	2.5	15	6.8	20	15	16	15	30									
31	52	37	45	-3	40	43	20	0	RA	0		0.0	0.02	30.05	30.13	7.5	13	9.0	24	16	20	16	31									
< MONTHLY AVERAGES										TOTALS->				1.0	4.10	29.80	29.88	4.4	29	10.1	<- MONTHLY AVERAGES											
-4.6										-3.5				-4.1				<-----DEPARTURE FROM NORMAL----->										0.13	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3			
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 2.27 DATE :27-28				SEA LEVEL PRESSURE				DATE TIME															
MONTHLY TOTAL DEPARTURE									GREATEST 24-HR SNOWFALL: 0.5 DATE :08+				MAXIMUM				: 30.27 22 1051															
SEASON TO DATE TOTAL DEPARTURE									GREATEST SNOW DEPTH: 5 DATE : 01				MINIMUM				: 29.11 08 0951															
HEATING: 810 123 4399 34									NUMBER OF DAYS WITH				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32 : 19				PRECIPITATION ≥ 0.01 INCH : 8											
COOLING: 0 -2 0 -2									MAXIMUM TEMP ≤ 32 : 1				MINIMUM TEMP ≤ 0 : 0				PRECIPITATION ≥ 0.10 INCH : 5															
									THUNDERSTORMS : 0				HEAVY FOG : 0				SNOWFALL ≥ 1.0 INCH : 0															

MARCH 2005 WILMINGTON, DE

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

MARCH 2005

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	0.01	T	0.02	T			T	T					01												01		0.03		
02			T	T									02												02		T		
03													03												03		0.00		
04													04												04		0.00		
05													05												05		0.00		
06													06												06		0.00		
07													07												07		0.00		
08				T	0.01	0.01	0.06	0.03	0.04	T	T	0.01	08	T	T	T								08		0.16			
09													09												09		0.00		
10													10												10		0.00		
11													11					T		T	0.03	T		11	0.03	0.04			
12	0.01												12											12	0.01	T			
13													13											13		0.00			
14													14											14		0.00			
15													15											15		0.00			
16													16											16		0.00			
17													17											17		0.00			
18													18											18		0.00			
19													19											19		T			
20	T	0.02	0.03	0.04	0.03	0.02	T	0.03	0.03	0.03	0.01		20		T	T	0.02	0.01		T	T			20		0.27			
21													21											21		0.00			
22													22											22		0.00			
23			T	0.04	0.05	0.11	0.07	0.12	0.14	0.17	0.06	0.04	23	0.08	0.03	0.06	0.16	0.10	T	0.03	0.03	0.01	0.01	T	23		1.31		
24													24											24		0.00			
25													25			T	T							25		T			
26													26											26		0.00			
27													27											27		0.18			
28	0.07	0.13	0.04	0.06	T	T	T	0.01	T	0.03	0.03	0.08	28	0.22	0.44	0.28	0.08	0.27	T	0.35	T		0.01	0.07	0.04	0.06	28		2.09
29				T	T								29											29		T			
30													30											30		0.00			
31													31											31	T	0.02	T	0.02	

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.22	.29	.31	.33	.35	.42	.48	.61	.67	.77	.87	.95
Ending Date	28	28	28	28	28	28	28	28	28	28	28	28
Ending Time (Hour/Min)	1709	1709	1714	1711	1714	1709	1343	1714	1426	1433	1458	1454

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.

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

* = 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

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' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

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

NORMALS ARE FOR THE YEARS 1971–2000

WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed Dust/Sand Whirls
MI Shallow	PL Ice Pellets	HZ Haze	SQ Squalls
PR Partial	RA Rain	PY Spray	SS Sandstorm
SH Shower(s)	SG Snow Grains	SA Sand	GL Glaze
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unknown Precipitation		

Intensity (as indicated on pages 4 to 6):
'+' = Heavy ' ' = Moderate '- ' = Light

WILMINGTON, DE MARCH 2005

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR–SS), or midnight to midnight (MN–MN).

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.

ADDITIONAL NOTES:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR–SS		MN–MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							2.00	10.00	
02							9.00	10.00	
03							10.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							10.00	10.00	
08							.50	10.00	
09							10.00	10.00	
10							10.00	10.00	
11							6.00	10.00	
12							9.00	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							6.00	10.00	
19							10.00	10.00	
20							1.00	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							1.50	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							6.00	10.00	
28							1.00	10.00	
29							7.00	10.00	
30							10.00	10.00	
31							8.00	10.00	
MONTHLY AVGS							8.00	10.00	
SUNSHINE (MINUTES)									
Total: Possible: Percent Possible:									
NUMBER OF DAYS WITH:									
SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING									
31									
MINIMUM VISIBILITY (MILES)									
<=0.25 <=3.0 >=7.0									
0 5 23									

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

MARCH 2005

ILG

WBAN # 13781

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				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	RELATIVE HUMIDITY (PCT)	SPEED (MPH)		DIRECTION TENS OF DEG	STATION		SEA LEVEL	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0635				MAR 01	SUNSET: 1755				SUNRISE: 0626				MAR 07	SUNSET: 1801															
01	OVC	016		3.00	-SN BR	29	27	28	92	6	32	29.42	29.52	01	BKN	065		10.00	38	29	34	70	0	00	29.68	29.76			
04	OVC	035		10.00		29	26	28	89	5	01	29.38	29.47	04	SCT	NC		10.00	35	29	33	78	0	00	29.68	29.77			
07	OVC	022		2.00	-SN BR	28	27	28	96	5	21	29.39	29.48	07	CLR	NC		10.00	39	30	35	70	0	00	29.68	29.77			
10	OVC	013		10.00		31	28	30	89	9	23	29.38	29.47	10	CLR	NC		10.00	54	34	45	47	9	22	29.64	29.73			
13	SCT	NC		10.00		37	26	33	65	15	25	29.34	29.43	13	CLR	NC		10.00	65	35	50	33	16	19	29.50	29.59			
16	OVC	048		10.00		37	22	32	54	17	25	29.34	29.44	16	CLR	NC		10.00	66	29	49	25	23	20	29.37	29.46			
19	OVC	070		10.00		36	19	30	50	16	26	29.39	29.48	19	CLR	NC		10.00	58	34	47	41	13	18	29.34	29.43			
22	FEW	NC		10.00		32	19	28	59	14	24	29.40	29.49	22	OVC	085		10.00	49	37	43	64	6	14	29.31	29.40			
SUNRISE: 0634				MAR 02	SUNSET: 1756				SUNRISE: 0625				MAR 08	SUNSET: 1802															
01	OVC	042		10.00		32	21	28	64	21	26	29.41	29.50	01	CLR	NC		10.00	45	36	41	71	9	14	29.21	29.29			
04	BKN	070		10.00		31	20	27	64	21	27	29.46	29.55	04	OVC	065		10.00	53	41	47	64	12	19	29.10	29.18			
07	CLR	NC		10.00		29	18	25	64	21	27	29.56	29.65	07	OVC	049		10.00	48	45	47	89	7	22	29.05	29.13			
10	FEW	NC		10.00		30	16	26	56	21	29	29.60	29.69	10	OVC	014		10.00	41	38	40	89	17	31	29.03	29.11			
13	OVC	095		10.00		33	16	27	49	24	29	29.59	29.68	13	OVC	012		1.00	27	23	26	85	24	31	29.08	29.16			
16	BKN	090		10.00		32	15	27	50	21	28	29.61	29.70	16	FEW	NC		10.00	28	15	24	58	22	30	29.22	29.30			
19	OVC	034		10.00		28	17	25	63	23	29	29.69	29.78	19	CLR	NC		10.00	27	8	22	45	26	30	29.39	29.48			
22	OVC	038		10.00		26	20	24	78	18	28	29.71	29.80	22	CLR	NC		10.00	23	2	18	40	28	29	29.54	29.63			
SUNRISE: 0632				MAR 03	SUNSET: 1757				SUNRISE: 0623				MAR 09	SUNSET: 1803															
01	OVC	070		10.00		25	15	22	66	22	29	29.72	29.81	01	CLR	NC		10.00	20	1	16	43	26	28	29.65	29.74			
04	CLR	NC		10.00		24	11	20	57	18	28	29.75	29.84	04	CLR	NC		10.00	18	2	14	49	21	28	29.71	29.80			
07	CLR	NC		10.00		22	8	18	55	20	28	29.80	29.89	07	CLR	NC		10.00	19	4	15	52	14	25	29.76	29.85			
10	CLR	NC		10.00		26	12	22	55	21	29	29.83	29.92	10	SCT	NC		10.00	26	7	21	44	21	27	29.79	29.88			
13	CLR	NC		10.00		30	13	25	49	24	29	29.82	29.91	13	BKN	055		10.00	29	7	23	39	21	28	29.75	29.84			
16	CLR	NC		10.00		32	13	26	45	24	28	29.81	29.90	16	FEW	NC		10.00	32	3	24	29	16	26	29.73	29.82			
19	CLR	NC		10.00		30	11	24	45	15	27	29.86	29.95	19	FEW	NC		10.00	29	5	22	36	20	28	29.75	29.84			
22	CLR	NC		10.00		28	10	23	47	20	27	29.91	30.00	22	CLR	NC		10.00	25	8	20	48	8	27	29.80	29.89			
SUNRISE: 0631				MAR 04	SUNSET: 1758				SUNRISE: 0621				MAR 10	SUNSET: 1804															
01	CLR	NC		10.00		25	10	21	53	10	27	29.93	30.02	01	CLR	NC		10.00	24	11	20	57	0	00	29.76	29.85			
04	CLR	NC		10.00		22	10	19	60	7	26	29.92	30.01	04	CLR	NC		10.00	19	9	16	65	3	26	29.74	29.83			
07	CLR	NC		10.00		20	10	17	65	7	27	29.96	30.06	07	CLR	NC		10.00	20	11	18	68	5	28	29.76	29.85			
10	CLR	NC		10.00		28	12	23	51	10	30	29.99	30.08	10	OVC	060		10.00	29	6	23	38	10	30	29.78	29.87			
13	CLR	NC		10.00		33	14	27	45	9	29	29.93	30.02	13	OVC	060		10.00	34	9	26	35	16	26	29.72	29.81			
16	CLR	NC		10.00		36	12	28	37	12	28	29.85	29.94	16	BKN	060		10.00	36	12	28	37	12	30	29.67	29.76			
19	FEW	NC		10.00		33	15	27	48	0	00	29.85	29.94	19	CLR	NC		10.00	31	11	25	43	0	00	29.69	29.78			
22	BKN	090		10.00		34	20	29	56	0	00	29.84	29.93	22	BKN	090		10.00	30	17	26	59	5	12	29.71	29.80			
SUNRISE: 0629				MAR 05	SUNSET: 1759				SUNRISE: 0620				MAR 11	SUNSET: 1805															
01	CLR	NC		10.00		30	19	26	64	3	03	29.83	29.92	01	OVC	075		10.00	31	21	28	67	6	13	29.69	29.78			
04	CLR	NC		10.00		26	18	24	71	0	00	29.81	29.90	04	OVC	080		10.00	32	22	28	66	9	11	29.60	29.69			
07	CLR	NC		10.00		25	16	22	69	3	35	29.85	29.94	07	OVC	075		10.00	32	25	29	75	6	07	29.53	29.62			
10	CLR	NC		10.00		35	16	29	46	7	02	29.87	29.96	10	FEW	NC		10.00	38	30	35	73	5	12	29.48	29.57			
13	CLR	NC		10.00		39	17	31	41	10	36	29.81	29.90	13	FEW	NC		10.00	50	27	40	41	13	23	29.40	29.49			
16	CLR	NC		10.00		42	14	32	32	6	32	29.79	29.88	16	SCT	NC		10.00	50	26	40	39	8	24	29.33	29.42			
19	CLR	NC		10.00		34	16	28	48	7	27	29.84	29.93	19	OVC	055		10.00	42	35	39	76	7	16	29.34	29.43			
22	CLR	NC		10.00		31	15	26	52	5	28	29.85	29.94	22	SCT	NC		10.00	39	38	39	96	0	00	29.35	29.44			
SUNRISE: 0628				MAR 06	SUNSET: 1800				SUNRISE: 0618				MAR 12	SUNSET: 1806															
01	CLR	NC		10.00		29	16	25	58	5	26	29.85	29.94	01	OVC	060		9.00	35	33	34	93	12	29	29.34	29.43			
04	CLR	NC		10.00		27	14	23	58	9	28	29.87	29.96	04	FEW	NC		10.00	32	21	28	64	16	29	29.37	29.45			
07	CLR	NC		10.00		29	16	25	58	5	21	29.87	29.96	07	CLR	NC		10.00	30	19	26	64	8	28	29.41	29.49			
10	CLR	NC		10.00		40	21	33	47	10	24	29.83	29.92	10	CLR	NC		10.00	37	21	31	52	12	27	29.40	29.49			
13	SCT	NC		10.00		46	26	38	46	20	23	29.69	29.78	13	SCT	NC		10.00	43	21	35	42	9	24	29.35	29.44			
16	FEW	NC		10.00		51	27	41	39	21	22	29.58	29.67	16	SCT	NC		10.00	45	23	36	42	14	23	29.38	29.47			
19	CLR	NC		10.00		46	29	39	51	8	23	29.62	29.71	19	BKN	090		10.00	39	31	36	73	8	24	29.48	29.57			
22	CLR	NC		10.00		41	29	36	62	3	25	29.66	29.75	22	CLR	NC		10.00	36	27	33	70	10	29	29.57	29.66			

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

MARCH 2005

ILG

WBAN # 13781

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)							
	SKY COVER	CEILING 100'S OF FT		OBSERVATION TIME (LST)	EFF CLD AMT Otkts	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)		DIRECTION TENS OF DEG	STATION		SEA LEVEL	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Otkts	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0617				MAR 13				SUNSET: 1807				SUNRISE: 0607				MAR 19				SUNSET: 1814									
01	BKN	095		10.00	36	19	30	50	8	28	29.62	29.71	01	CLR	NC		10.00	38	23	32	55	3	04	30.04	30.13				
04	BKN	075		10.00	34	18	29	52	9	27	29.66	29.75	04	CLR	NC		10.00	33	22	29	64	3	36	30.07	30.16				
07	CLR	NC		10.00	31	19	27	61	10	28	29.71	29.80	07	CLR	NC		10.00	34	21	29	59	6	04	30.10	30.18				
10	SCT	NC		10.00	39	16	31	39	10	31	29.75	29.84	10	CLR	NC		10.00	44	17	34	34	10	06	30.11	30.20				
13	OVC	060		10.00	44	18	35	35	16	32	29.74	29.83	13	CLR	NC		10.00	49	22	38	35	7	18	30.07	30.16				
16	SCT	NC		10.00	45	20	36	37	15	31	29.74	29.83	16	CLR	NC		10.00	46	28	39	50	14	15	30.03	30.12				
19	CLR	NC		10.00	35	20	30	54	7	32	29.78	29.88	19	CLR	NC		10.00	41	30	37	65	10	16	30.05	30.14				
22	FEW	NC		10.00	35	23	31	61	6	33	29.85	29.94	22	OVC	085		10.00	40	24	34	53	7	12	30.03	30.12				
SUNRISE: 0615				MAR 14				SUNSET: 1808				SUNRISE: 0606				MAR 20				SUNSET: 1815									
01	OVC	060		10.00	36	21	31	55	6	32	29.85	29.94	01	OVC	042		10.00	-RA	39	33	37	79	5	11	30.01	30.10			
04	SCT	NC		10.00	31	21	28	67	7	31	29.85	29.94	04	OVC	036		6.00	-RA BR	39	38	39	96	0	00	29.97	30.06			
07	BKN	041		10.00	31	21	28	67	7	36	29.89	29.98	07	OVC	009		3.00	-RA BR	41	41	41	100	3	09	29.96	30.04			
10	SCT	NC		10.00	36	21	31	55	9	32	29.91	30.00	10	OVC	006		1.00	-RA BR	44	43	44	96	10	15	29.94	30.03			
13	CLR	NC		10.00	40	14	31	35	13	28	29.88	29.97	13	OVC	008		10.00	45	42	44	90	8	16	29.90	29.99				
16	CLR	NC		10.00	41	14	32	33	17	32	29.86	29.95	16	OVC	008		7.00	-RA	44	43	44	96	5	16	29.86	29.95			
19	CLR	NC		10.00	35	13	28	40	10	32	29.92	30.01	19	OVC	022		2.50	BR	46	44	45	93	0	00	29.89	29.97			
22	CLR	NC		10.00	29	13	24	51	9	29	29.96	30.05	22	OVC	075		7.00		43	42	43	97	5	25	29.88	29.97			
SUNRISE: 0614				MAR 15				SUNSET: 1809				SUNRISE: 0604				MAR 21				SUNSET: 1816									
01	CLR	NC		10.00	29	14	24	54	9	32	29.99	30.08	01	OVC	039		10.00	43	39	41	86	9	29	29.88	29.97				
04	CLR	NC		10.00	28	13	24	53	13	31	29.99	30.08	04	FEW	NC		10.00	40	35	38	83	14	31	29.86	29.95				
07	CLR	NC		10.00	28	13	24	53	14	30	30.03	30.12	07	CLR	NC		10.00	41	33	38	74	9	29	29.90	29.99				
10	CLR	NC		10.00	36	15	29	42	13	32	30.04	30.13	10	BKN	033		10.00	46	32	40	58	17	30	29.92	30.01				
13	CLR	NC		10.00	43	16	34	34	16	30	30.03	30.13	13	OVC	043		10.00	47	31	40	54	13	31	29.91	30.00				
16	CLR	NC		10.00	44	14	34	30	21	28	29.98	30.07	16	OVC	039		10.00	45	31	39	58	16	29	29.93	30.02				
19	CLR	NC		10.00	38	14	30	37	10	29	30.02	30.11	19	CLR	NC		10.00	41	29	36	62	12	30	29.99	30.08				
22	CLR	NC		10.00	36	15	29	42	8	27	30.06	30.15	22	CLR	NC		10.00	37	29	34	73	3	27	30.05	30.14				
SUNRISE: 0612				MAR 16				SUNSET: 1810				SUNRISE: 0602				MAR 22				SUNSET: 1817									
01	CLR	NC		10.00	33	16	28	49	3	26	30.05	30.14	01	CLR	NC		10.00	34	29	32	82	5	24	30.08	30.17				
04	CLR	NC		10.00	30	17	26	59	6	32	30.04	30.13	04	CLR	NC		10.00	32	28	31	85	8	25	30.10	30.19				
07	CLR	NC		10.00	28	18	25	66	6	26	30.06	30.15	07	CLR	NC		10.00	32	29	31	88	5	26	30.15	30.24				
10	FEW	NC		10.00	41	18	33	39	12	29	30.05	30.14	10	CLR	NC		10.00	46	26	38	46	6	08	30.16	30.25				
13	CLR	NC		10.00	45	19	35	35	15	29	29.98	30.07	13	FEW	NC		10.00	51	29	42	43	10	15	30.12	30.21				
16	CLR	NC		10.00	44	18	35	35	12	32	29.96	30.05	16	CLR	NC		10.00	53	30	43	41	9	23	30.05	30.14				
19	CLR	NC		10.00	39	18	32	43	6	32	29.98	30.07	19	CLR	NC		10.00	42	34	39	73	12	16	30.07	30.16				
22	CLR	NC		10.00	37	18	30	46	7	36	29.98	30.07	22	CLR	NC		10.00	41	37	39	86	8	16	30.08	30.16				
SUNRISE: 0610				MAR 17				SUNSET: 1811				SUNRISE: 0601				MAR 23				SUNSET: 1818									
01	CLR	NC		10.00	34	22	30	61	5	33	29.96	30.05	01	FEW	NC		10.00	39	36	38	89	5	06	30.02	30.10				
04	OVC	120		10.00	35	19	30	52	7	03	29.94	30.03	04	OVC	043		7.00	-RA	41	39	40	93	6	06	29.96	30.04			
07	FEW	NC		10.00	34	18	29	52	7	02	29.98	30.07	07	OVC	016		1.50	+RA BR	41	40	41	96	10	05	29.94	30.03			
10	CLR	NC		10.00	38	16	31	41	7	03	29.97	30.06	10	OVC	009		1.50	-RA BR	42	41	42	96	14	06	29.88	29.96			
13	CLR	NC		10.00	40	15	31	36	0	00	29.95	30.03	13	OVC	008		2.00	-RA BR	42	40	41	92	26	05	29.72	29.81			
16	CLR	NC		10.00	44	16	34	32	5	20	29.89	29.98	16	OVC	008		4.00	+RA BR	39	38	39	96	13	05	29.67	29.76			
19	CLR	NC		10.00	40	19	32	43	6	22	29.91	30.00	19	OVC	012		2.00	-RA BR	40	38	39	93	20	05	29.61	29.70			
22	CLR	NC		10.00	36	19	30	50	5	21	29.92	30.01	22	OVC	010		10.00	-RA	38	37	38	97	15	02	29.65	29.74			
SUNRISE: 0609				MAR 18				SUNSET: 1813				SUNRISE: 0559				MAR 24				SUNSET: 1819									
01	CLR	NC		10.00	32	20	28	61	0	00	29.91	30.00	01	OVC	012		10.00	36	33	35	89	17	01	29.67	29.76				
04	CLR	NC		10.00	29	23	27	78	0	00	29.90	29.99	04	OVC	014		10.00	35	32	34	89	12	01	29.72	29.81				
07	CLR	NC		10.00	30	24	28	79	0	00	29.94	30.03	07	OVC	016		10.00	35	32	34	89	8	34	29.82	29.91				
10	CLR	NC		10.00	44	24	36	45	3	05	29.95	30.04	10	OVC	022		10.00	39	31	36	73	10	35	29.88	29.97				
13	CLR	NC		10.00	52	28	42	40	14	29	29.92	30.00	13	OVC	027		10.00	44	32	39	63	8	35	29.89	29.98				
16	FEW	NC		10.00	53	28	42	38	12	29	29.90	29.99	16	OVC	038		10.00	45	31	39	58	10	34	29.90	29.99				
19	CLR	NC		10.00	48	27	39	44	0	00	29.94	30.03	19	OVC	042		10.00	43	32	38	65	7	27	29.95	30.04				
22	CLR	NC		10.00	41	27	36	57	5	36	30.00	30.09	22	OVC	040		10.00	42	33	38	71	6	28	29.99	30.08				

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

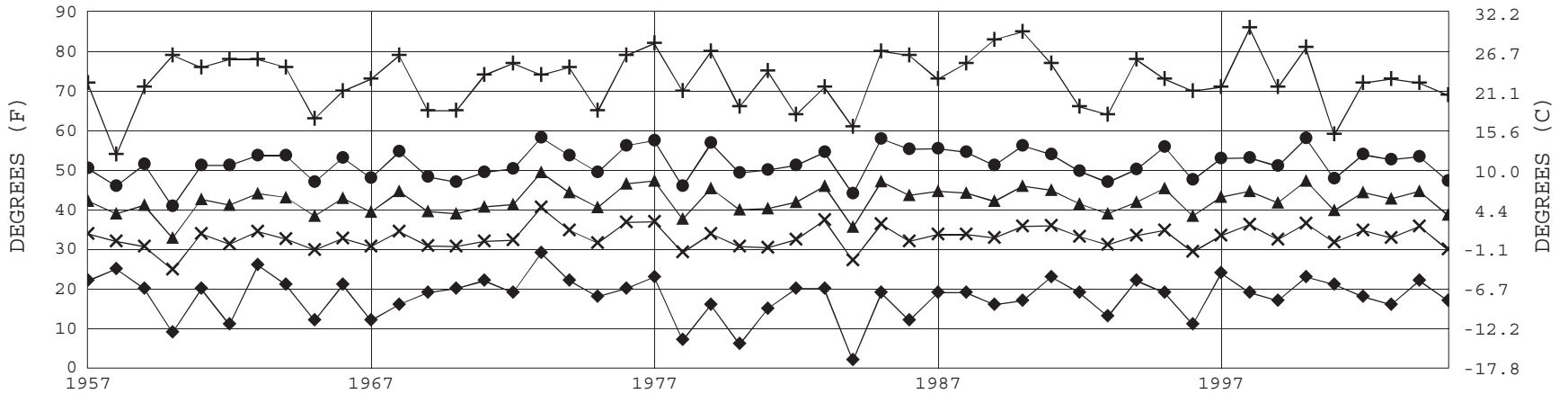
MARCH 2005

ILG

WBAN # 13781

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)																	
	OBSERVATION TIME (LST)	EFF CLD AMT Ok/as		OBSERVATION TIME (LST)	EFF CLD AMT Ok/as			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		OBSERVATION TIME (LST)	EFF CLD AMT Ok/as		OBSERVATION TIME (LST)	EFF CLD AMT Ok/as			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL																
SUNRISE: 0558								MAR 25								SUNSET: 1820								SUNRISE: 0548								MAR 31								SUNSET: 1826							
01	OVC	038			10.00			41	34	38	76	5	25	29.97	30.06	01	CLR	NC			10.00			41	36	39	82	8	10	30.07	30.16																
04	OVC	040			10.00			40	34	37	79	6	29	29.95	30.03	04	CLR	NC			10.00			39	34	37	82	6	07	30.07	30.16																
07	OVC	038			10.00			41	35	38	79	7	24	29.96	30.05	07	CLR	NC			10.00			40	37	39	89	7	10	30.11	30.19																
10	OVC	038			10.00			44	34	40	68	10	28	30.01	30.09	10	OVC	045			10.00			48	40	44	74	9	10	30.09	30.17																
13	OVC	029			10.00			46	35	41	66	9	31	29.95	30.04	13	OVC	045			10.00			49	41	45	74	16	16	30.05	30.14																
16	SCT	NC			10.00			46	36	42	68	10	28	29.90	29.99	16	OVC	040			10.00			52	41	47	66	13	12	29.98	30.07																
19	BKN	035			10.00			44	35	40	71	5	27	29.96	30.04	19	OVC	034			10.00			47	42	45	83	12	13	29.98	30.07																
22	CLR	NC			10.00			41	34	38	76	3	29	29.98	30.07	22	OVC	016			9.00	-RA		44	43	44	96	7	09	29.99	30.08																
SUNRISE: 0556								MAR 26								SUNSET: 1821								3-HOURLY OBSERVATION NOTES																							
01	CLR	NC			10.00			37	34	36	89	3	34	29.99	30.08	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.																															
04	OVC	100			10.00			39	31	36	73	10	04	29.99	30.08	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																															
07	OVC	060			10.00			40	30	36	68	3	35	30.07	30.15	NC= No ceiling detected.																															
10	OVC	060			10.00			44	27	37	51	9	06	30.10	30.19	& = Original observation contained additional weather elements.																															
13	OVC	060			10.00			48	26	39	42	7	VR	30.09	30.18	See page 3 for additional notes.																															
16	OVC	050			10.00			48	27	39	44	0	00	30.06	30.15																																
19	OVC	050			10.00			43	35	40	74	10	16	30.09	30.17																																
22	OVC	044			10.00			43	35	40	74	7	09	30.10	30.19																																
SUNRISE: 0554								MAR 27								SUNSET: 1822																															
01	OVC	036			10.00			41	36	39	82	7	07	30.08	30.16																																
04	OVC	034			10.00			41	36	39	82	7	04	30.07	30.16																																
07	OVC	032			10.00			41	36	39	82	7	05	30.11	30.20																																
10	OVC	037			10.00			46	39	43	77	7	09	30.10	30.19																																
13	OVC	025			10.00			48	41	45	77	12	16	30.07	30.16																																
16	OVC	035			10.00			47	41	44	80	7	15	30.02	30.11																																
19	OVC	039			10.00			46	37	42	71	12	09	30.00	30.09																																
22	OVC	024			10.00		-RA	42	38	40	85	16	07	29.94	30.02																																
SUNRISE: 0553								MAR 28								SUNSET: 1823																															
01	OVC	007		4.00	+RA BR			40	39	40	97	9	05	29.86	29.95																																
04	OVC	003		10.00	-RA			40	40	40	100	13	05	29.74	29.83																																
07	OVC	003		2.00	-RA BR			41	40	41	96	12	05	29.68	29.77																																
10	OVC	003		1.00	-RA BR			44	43	44	96	15	05	29.57	29.65																																
13	OVC	003		1.00	+RA BR			46	46	46	100	20	04	29.42	29.50																																
16	OVC	003		2.00	-RA BR			49	49	49	100	8	04	29.31	29.39																																
19	OVC	003		3.00	BR			52	51	52	97	7	02	29.21	29.30																																
22	OVC	003		9.00				50	50	50	100	6	35	29.21	29.29																																
SUNRISE: 0551								MAR 29								SUNSET: 1824																															
01	OVC	003		7.00				48	47	47	96	8	35	29.23	29.32																																
04	OVC	007		9.00	-RA			46	45	46	96	12	33	29.27	29.35																																
07	OVC	013		10.00				49	45	47	86	12	33	29.38	29.47																																
10	OVC	022		10.00				51	44	48	77	13	33	29.49	29.57																																
13	OVC	042		10.00				54	43	49	67	12	33	29.56	29.65																																
16	BKN	039		10.00				60	46	53	60	13	32	29.62	29.71																																
19	CLR	NC		10.00				51	42	47	71	15	33	29.74	29.83																																
22	CLR	NC		10.00				46	39	43	77	9	33	29.82	29.91																																
SUNRISE: 0550								MAR 30								SUNSET: 1825																															
01	CLR	NC		10.00				42	36	39	79	6	32	29.87	29.96																																
04	CLR	NC		10.00				40	36	38	86	7	27	29.90	29.98																																
07	CLR	NC		10.00				43	37	40	80	5	34	29.96	30.05																																
10	CLR	NC		10.00				54	34	45	47	8	04	30.00	30.09																																
13	CLR	NC		10.00				56	32	45	40	0	00	29.98	30.07																																
16	CLR	NC		10.00				59	36	48	42	8	15	29.95	30.03																																
19	CLR	NC		10.00				47	38	43	71	14	16	29.99	30.07																																
22	CLR	NC		10.00				43	38	41	82	7	16	30.06	30.15																																

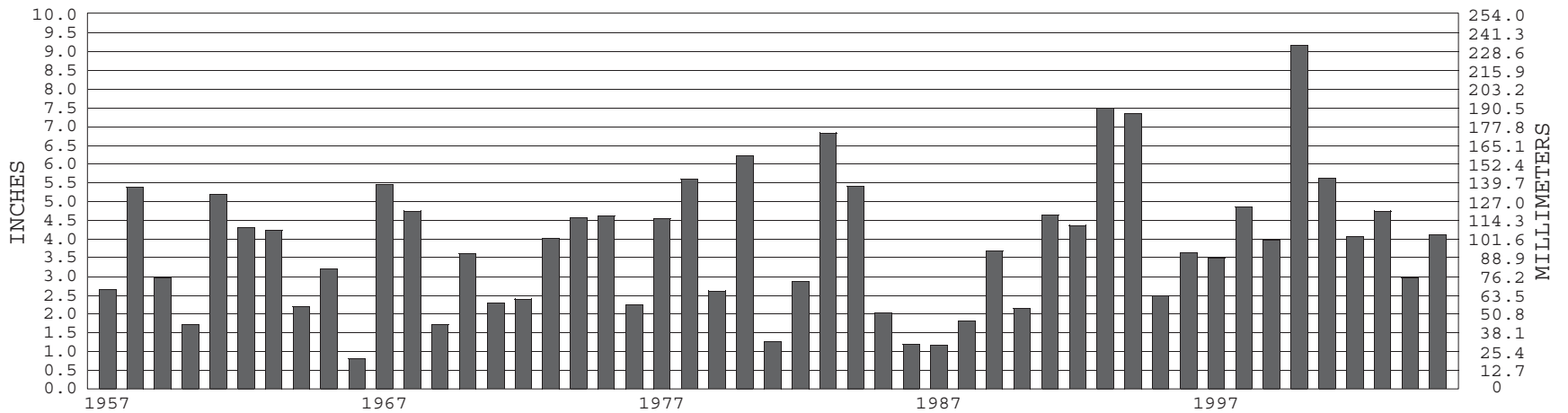
WILMINGTON, DE MARCH TEMPERATURES



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

Long-Term (1957-2005) Mean: 42.3 1971-2000 Normal: 42.7

WILMINGTON, DE MARCH PRECIPITATION



Long-Term (1957-2005) Mean Monthly Total: 3.85

1971-2000 Normal: 3.97



MARCH 2005

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.

DIRECTOR

NCDC now offers an annual online subscription for the **Edited Local Climatological Data Publication**. When you purchase this subscription service, you will have **immediate online access** to all previous publications back to July 1996 and all publications thereafter until the expiration of the subscription. Your subscription is valid for one year after purchase. **The total cost is \$29 for online delivery (including back issues) compared to \$34 for offline delivery.** To order this and other subscriptions online with your credit card, go to: www.ncdc.noaa.gov and choose subscriptions.

We welcome your questions or comments, please contact us at
Toll Free Number (866) 742–3322 (voice)
Fax Number :(304) 726–4409
TDD : 828–271–4010
or Email : ncdc.info@noaa.gov
Local Climatological Data is available at www.ncdc.noaa.gov

For address correction, please return a photocopy of this page to Subscription Services indicating changes

NCDC Subscription Services Center
310 State Route 956 Building 300
Rocket Center, WV 26726

OFFICIAL BUSINESS. PENALTY FOR PRIVATE USE \$300

FIRST CLASS
POSTAGE AND FEES PAID
NOAA
PERMIT G-19