



MAY 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

MAY 2005
WILMINGTON, DE

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	64	47	56	-2	42	49	9	0	RA BR	0		0.0	0.09	29.81	29.89	10.8	29	11.2	31	29	25	29	01
02	64	38	51	-7	38	44	14	0	RA	0		0.0	0.01	29.92	30.00	7.2	24	9.1	30	28	24	28	02
03	58	33*	46*	-12	34	42	19	0		0		0.0	0.00	30.04	30.12	5.7	27	6.5	21	29	16	28	03
04	59	42	51	-7	35	44	14	0		0		0.0	0.00	30.26	30.35	1.9	30	5.6	16	23	13	21	04
05	63	36	50	-9	37	45	15	0		0		0.0	0.00	30.39	30.48	3.1	12	7.5	22	16	20	15	05
06	55	46	51	-8	38	45	14	0		0		0.0	0.00	30.16	30.24	13.4	03	13.7	30	02	25	02	06
07	71	44	58	-1	37	48	7	0		0		0.0	0.00	29.83	29.91	8.8	33	11.1	28	31	21	32	07
08	73	44	59	-1	37	49	6	0		0		0.0	0.00	29.80	29.88	9.9	33	13.1	31	30	25	33	08
09	74	44	59	-1	45	52	6	0		0		0.0	0.00	29.93	30.01	3.6	14	7.8	26	17	23	16	09
10	64	49	57	-4	50	53	8	0		0		0.0	0.00	29.99	30.08	10.1	15	10.5	22	15	20	16	10
11	74	51	63	2	55	58	2	0	BR HZ	0		0.0	0.00	29.91	29.99	6.0	17	7.1	17	15	15	14	11
12	72	51	62	1	44	54	3	0	RA	0		0.0	T	30.06	30.15	8.1	35	8.9	24	01	20	36	12
13	63	41	52	-9	35	46	13	0		0		0.0	0.00	30.22	30.31	5.2	12	10.1	24	16	20	14	13
14	77	51	64	2	55	59	1	0	RA	0		0.0	0.02	29.84	29.93	7.9	19	8.7	21	22	16	22	14
15	75	60	68*	5	55	60	0	3	RA BR	0		0.0	T	29.72	29.80	5.6	24	7.5	20	27	16	29	15
16	70	50	60	-3	44	53	5	0	RA	0		0.0	0.03	29.86	29.95	9.5	30	10.1	23	31	18	32	16
17	66	49	58	-5	41	49	7	0		0		0.0	0.00	30.01	30.10	4.3	32	5.8	15	26	13	29	17
18	71	44	58	-5	44	51	7	0		0		0.0	0.00	30.01	30.09	1.3	02	4.6	15	15	13	14	18
19	72	47	60	-3	44	52	5	0	RA BR	0		0.0	0.03	29.99	30.08	5.8	11	10.1	28	16	23	16	19
20	54	46	50	-14	49	50	15	0	RA BR	0		0.0	1.59	29.85	29.93	11.2	06	13.6	31	07	25	06	20
21	74	41	58	-6	46	52	7	0	RA	0		0.0	T	29.79	29.87	6.0	33	8.1	25	35	22	35	21
22	67	49	58	-7	46	52	7	0	RA	0		0.0	0.02	29.67	29.76	6.6	33	9.1	22	28	18	32	22
23	65	52	59	-6	49	53	6	0	RA	0		0.0	0.03	29.56	29.64	2.7	08	6.0	16	15	14	15	23
24	58	50	54	-11	51	52	11	0	RA BR	0		0.0	0.17	29.62	29.71	6.2	03	8.2	29	04	22	02	24
25	55	48	52	-13	48	49	13	0	RA	0		0.0	0.21	29.69	29.77	7.9	34	8.6	24	01	18	01	25
26	67	51	59	-7	51	54	6	0		0		0.0	0.00	29.64	29.72	3.2	35	6.8	23	36	18	01	26
27	81*	48	65	-1	49	57	0	0		0		0.0	0.00	29.71	29.80	7.9	25	8.3	29	24	22	25	27
28	79	51	65	-2	51	56	0	0	RA BR	0		0.0	0.06	29.75	29.84	5.0	24	8.1	45*	29	35*	28	28
29	75	50	63	-4	49	55	2	0		0		0.0	0.00	29.80	29.89	7.5	29	8.4	24	26	20	28	29
30	76	49	63	-4	50	56	2	0	RA	0		0.0	T	29.87	29.96	5.5	27	6.8	23	27	18	23	30
31	79	48	64	-3	50	57	1	0	BR	0		0.0	0.00			0.7	27	4.8	17	15	15	16	31

68.2	46.8	57.5	■ ■	45.1	51.5	7.3	0.1	< MONTHLY AVERAGES	TOTALS->	0.0	2.26			1.9	32	8.6	<- MONTHLY AVERAGES
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-4.3	-5.6	-5.0	■ ■	-----DEPARTURE FROM NORMAL----->								-1.89	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3					
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DEGREE DAYS				GREATEST 24-HR PRECIPITATION: 1.62 DATE: 19-20				SEA LEVEL PRESSURE				DATE		TIME			
MONTHLY TOTAL DEPARTURE				SEASON TO DATE TOTAL DEPARTURE				GREATEST 24-HR SNOWFALL: 0.0 DATE:				MAXIMUM		: 30.55		05 0851	
HEATING: 225 93				4958 85				GREATEST SNOW DEPTH: 0 DATE:				MINIMUM		: 29.59		24 0251	
COOLING: 3 -59				9 -64				NUMBER OF DAYS WITH →		MAXIMUM TEMP ≥ 90: 0		MINIMUM TEMP ≤ 32: 0		PRECIPITATION ≥ 0.01 INCH : 11			
								MAXIMUM TEMP ≤ 32 : 0		MINIMUM TEMP ≤ 0 : 0		PRECIPITATION ≥ 0.10 INCH : 3					
								THUNDERSTORMS : 0		HEAVY FOG : 0		SNOWFALL ≥ 1.0 INCH : 0					

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

MAY 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	T		0.01	T	0.01	0.01	0.05	0.01					01					T	0.01	T					01		0.09		
02													02												02		0.01		
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													08												08		0.00		
09													09												09		0.00		
10													10												10		0.00		
11													11												11		0.00		
12													12												12		T		
13													13												13		0.00		
14													14												14		0.02		
15													15												15		T		
16													16												16		0.03		
17													17												17		0.00		
18													18												18		0.00		
19													19												19		0.03		
20	T	T	T	0.05	0.04	0.08	0.20	0.12	0.10	0.14	0.19	0.23	20	0.17	0.14	0.10	0.03	T		T				20		1.59			
21													21												21		T		
22													22												22		0.02		
23													23	0.02											23		0.03		
24	T	0.02	0.02	T	T	T	T	0.01	T	0.04	0.04	0.01	24	0.01	0.02									24		0.17			
25		0.01	T	T	T	T	T	T	T		T	0.08	25	0.09	0.01	T								25		0.21			
26													26												26		0.00		
27													27												27		0.00		
28													28												28		0.06		
29													29												29		0.00		
30													30												30		T		
31													31												31		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)	.06	.06	.07	.09	.13	.18	.23	.29	.36	.42	.52	.61
Ending Date	28	28	20	20	20	20	20	20	20	20	20	20
Ending Time (Hour/Min)	1439	1439	1133	1130	1130	1145	1200	1220	1238	1242	1238	1242

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 MAY 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							5.00	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							10.00	10.00	
09							10.00	10.00	
10							9.00	10.00	
11							2.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							6.00	10.00	
16							9.00	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							5.00	10.00	
20							5.00	10.00	
21							8.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							2.50	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							10.00	10.00	
28							10.00	10.00	
29							10.00	10.00	
30							10.00	10.00	
31							4.00	10.00	
MONTHLY AVGS							8.31	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 3 23									

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

MAY 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)
SUNRISE: 0503				MAY 01				SUNSET: 1857				SUNRISE: 0456				MAY 07				SUNSET: 1902						
01	OVC	100		2.00	BR	59	57	58	93	5	30	29.67	29.75	01	SCT	NC		10.00	49	38	44	66	10	02	29.95	30.04
04	OVC	085		2.00	-RA BR	55	52	53	90	8	29	29.70	29.79	04	FEW	NC		10.00	46	37	42	71	8	34	29.92	30.01
07	OVC	055		3.00	-RA	52	50	51	93	6	28	29.75	29.84	07	CLR	NC		10.00	48	36	43	63	16	32	29.90	29.99
10	CLR	NC		10.00		56	46	51	70	20	31	29.78	29.87	10	CLR	NC		10.00	58	35	47	42	16	35	29.87	29.96
13	SCT	NC		10.00		62	38	50	41	18	30	29.79	29.88	13	CLR	NC		10.00	65	33	50	31	8	29	29.80	29.89
16	FEW	NC		10.00		61	34	48	36	20	29	29.82	29.91	16	BKN	085		10.00	70	37	53	30	12	32	29.73	29.82
19	CLR	NC		10.00		57	30	45	36	8	27	29.86	29.95	19	OVC	100		10.00	64	37	51	37	9	31	29.75	29.83
22	CLR	NC		10.00		48	32	41	54	8	30	29.94	30.03	22	BKN	100		10.00	57	41	49	55	9	12	29.77	29.86
SUNRISE: 0502				MAY 02				SUNSET: 1858				SUNRISE: 0455				MAY 08				SUNSET: 1903						
01	CLR	NC		10.00		40	35	38	83	6	33	29.93	30.02	01	CLR	NC		10.00	48	41	45	77	7	29	29.75	29.84
04	CLR	NC		10.00		38	35	37	89	3	26	29.93	30.02	04	CLR	NC		10.00	47	36	42	66	8	28	29.75	29.84
07	CLR	NC		10.00		48	39	44	71	5	19	29.95	30.04	07	CLR	NC		10.00	55	34	45	45	16	32	29.78	29.87
10	CLR	NC		10.00		62	35	49	37	13	22	29.91	30.00	10	CLR	NC		10.00	65	35	50	33	21	33	29.78	29.86
13	BKN	080		10.00		62	34	49	35	12	22	29.85	29.94	13	CLR	NC		10.00	71	35	53	27	20	34	29.78	29.86
16	OVC	075		10.00		58	36	48	44	21	25	29.84	29.93	16	CLR	NC		10.00	72	36	54	27	20	33	29.76	29.85
19	OVC	060		10.00		47	42	45	83	7	25	29.91	30.00	19	FEW	NC		10.00	66	38	52	36	13	36	29.81	29.90
22	CLR	NC		10.00		41	41	41	100	5	25	29.95	30.04	22	OVC	070		10.00	55	47	51	74	12	16	29.88	29.96
SUNRISE: 0501				MAY 03				SUNSET: 1859				SUNRISE: 0454				MAY 09				SUNSET: 1904						
01	CLR	NC		10.00		38	35	37	89	7	30	29.97	30.06	01	SCT	NC		10.00	54	41	48	62	5	17	29.90	29.99
04	CLR	NC		10.00		38	35	37	89	3	26	29.99	30.07	04	CLR	NC		10.00	51	42	47	71	0	00	29.91	29.99
07	CLR	NC		10.00		43	36	40	76	7	24	30.03	30.12	07	CLR	NC		10.00	56	44	50	65	5	33	29.95	30.04
10	FEW	NC		10.00		53	34	44	49	10	24	30.04	30.13	10	CLR	NC		10.00	66	43	54	43	7	01	29.94	30.03
13	OVC	070		10.00		56	33	46	42	10	31	30.02	30.11	13	CLR	NC		10.00	71	46	57	41	9	05	29.90	29.99
16	OVC	070		10.00		56	31	45	39	8	32	30.02	30.10	16	CLR	NC		10.00	73	47	59	40	10	17	29.87	29.96
19	OVC	090		10.00		54	31	44	42	0	00	30.05	30.14	19	CLR	NC		10.00	57	48	52	72	16	16	29.92	30.01
22	BKN	075		10.00		50	39	45	66	0	00	30.12	30.21	22	CLR	NC		10.00	53	48	50	83	6	12	29.97	30.05
SUNRISE: 0459				MAY 04				SUNSET: 1860				SUNRISE: 0453				MAY 10				SUNSET: 1905						
01	OVC	080		10.00		48	39	44	71	6	32	30.14	30.22	01	CLR	NC		10.00	51	47	49	86	3	11	29.98	30.07
04	OVC	120		10.00		47	37	43	69	5	33	30.18	30.27	04	CLR	NC		10.00	50	48	49	93	0	00	30.01	30.09
07	SCT	NC		10.00		50	33	43	52	6	35	30.23	30.32	07	CLR	NC		10.00	52	49	50	89	5	12	30.03	30.12
10	OVC	065		10.00		52	33	44	49	6	31	30.28	30.36	10	CLR	NC		10.00	60	50	55	70	9	16	30.03	30.12
13	BKN	080		10.00		56	30	45	37	6	29	30.27	30.36	13	FEW	NC		10.00	63	52	57	68	14	14	30.00	30.09
16	BKN	090		10.00		57	36	47	45	9	14	30.26	30.35	16	CLR	NC		10.00	59	53	56	81	17	16	29.96	30.05
19	CLR	NC		10.00		54	33	45	45	5	32	30.30	30.39	19	SCT	NC		10.00	54	51	52	90	15	16	29.96	30.04
22	CLR	NC		10.00		50	42	46	74	5	18	30.36	30.45	22	OVC	003		10.00	52	50	51	93	15	15	29.98	30.06
SUNRISE: 0458				MAY 05				SUNSET: 1901				SUNRISE: 0452				MAY 11				SUNSET: 1905						
01	CLR	NC		10.00		44	38	41	79	0	00	30.37	30.46	01	OVC	005		10.00	52	50	51	93	10	15	29.95	30.03
04	CLR	NC		10.00		39	36	38	89	6	33	30.39	30.47	04	OVC	005		10.00	52	50	51	93	7	17	29.95	30.03
07	CLR	NC		10.00		49	38	44	66	12	04	30.43	30.51	07	OVC	005		2.00	BR			6	18	29.95	30.03	
10	CLR	NC		10.00		58	37	48	46	5	08	30.45	30.54	10	OVC	011		5.00	HZ			6	27	29.96	30.05	
13	BKN	070		10.00		50	31	47	33	7	27	30.40	30.49	13	CLR	NC		10.00	71	59	64	66	8	20	29.90	29.99
16	SCT	NC		10.00		59	40	50	49	15	15	30.36	30.44	16	CLR	NC		6.00	HZ			12	15	29.84	29.93	
19	CLR	NC		10.00		55	35	46	47	12	14	30.35	30.44	19	CLR	NC		10.00	66	58	61	75	8	16	29.84	29.93
22	CLR	NC		10.00		50	41	46	71	10	13	30.37	30.46	22	CLR	NC		10.00	62	59	60	90	3	20	29.85	29.93
SUNRISE: 0457				MAY 06				SUNSET: 1901				SUNRISE: 0451				MAY 12				SUNSET: 1906						
01	CLR	NC		10.00		48	42	45	80	3	06	30.31	30.40	01	CLR	NC		10.00	64	59	61	84	5	26	29.86	29.95
04	CLR	NC		10.00		47	43	45	86	9	05	30.27	30.35	04	CLR	NC		10.00	61	58	59	90	7	32	29.90	29.99
07	CLR	NC		10.00		49	40	45	71	12	04	30.24	30.33	07	BKN	110		10.00	67	56	61	68	12	35	29.96	30.05
10	CLR	NC		10.00		51	34	43	52	12	04	30.24	30.32	10	FEW	NC		10.00	64	49	56	58	16	36	30.07	30.15
13	CLR	NC		10.00		55	36	46	49	15	04	30.15	30.24	13	FEW	NC		10.00	67	44	55	44	8	32	30.11	30.19
16	CLR	NC		10.00		55	34	45	45	20	03	30.08	30.17	16	CLR	NC		10.00	70	35	53	28	14	36	30.11	30.19
19	OVC	060		10.00		52	38	45	59	21	03	30.04	30.13	19	CLR	NC		10.00	63	35	50	35	8	32	30.14	30.23
22	CLR	NC		10.00		50	35	43	57	18	03	30.01	30.10	22	CLR	NC		10.00	54	31	44	42	8	03	30.22	30.31

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

MAY 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	RELATIVE HUMIDITY (PCT)	DRY BULB	DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL		OBSERVATION TIME (LST)	EFF CLD AMT	RELATIVE HUMIDITY (PCT)	DRY BULB	DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL				
<p>SUNRISE: 0450 MAY 13 SUNSET: 1907</p>																													
01	CLR	NC		10.00			50	25	40	38	9	03	30.23	30.32	01	CLR	NC		10.00			53	50	51	89	5	04	30.00	30.08
04	CLR	NC		10.00			44	27	37	51	10	36	30.28	30.37	04	CLR	NC		7.00			48	47	47	96	5	33	30.00	30.09
07	CLR	NC		10.00			51	33	43	50	15	04	30.32	30.41	07	CLR	NC		10.00			57	40	49	53	3	35	30.04	30.13
10	CLR	NC		10.00			56	29	44	36	9	08	30.31	30.40	10	CLR	NC		10.00			66	38	52	36	12	05	30.03	30.12
13	SCT	NC		10.00			61	33	48	35	9	15	30.24	30.33	13	CLR	NC		10.00			69	36	53	30	0	00	29.98	30.06
16	SCT	NC		10.00			62	40	51	44	18	15	30.17	30.26	16	CLR	NC		10.00			64	47	55	54	22	16	29.95	30.04
19	OVC	060		10.00			56	44	50	65	13	16	30.14	30.22	19	CLR	NC		10.00			61	44	52	54	12	13	29.96	30.05
22	OVC	044		10.00			56	42	49	60	7	18	30.12	30.21	22	OVC	060		10.00	-RA		57	48	52	72	8	12	29.97	30.06
<p>SUNRISE: 0449 MAY 14 SUNSET: 1908</p>																													
01	OVC	042		10.00			54	41	48	62	8	19	30.06	30.15	01	OVC	075		10.00	-RA		54	51	52	90	9	10	29.91	30.00
04	CLR	NC		10.00			52	45	48	77	7	18	29.98	30.06	04	OVC	060		8.00	RA		52	50	51	93	9	09	29.87	29.96
07	CLR	NC		10.00			55	48	51	77	8	19	29.95	30.03	07	OVC	050		5.00	RA BR		51	49	50	92	15	09	29.87	29.96
10	FEW	NC		10.00			66	54	59	65	7	21	29.89	29.98	10	OVC	013		7.00	+RA		50	48	49	93	18	07	29.86	29.95
13	CLR	NC		10.00			75	59	65	58	12	20	29.81	29.90	13	OVC	010		9.00	RA		50	48	49	93	18	05	29.81	29.90
16	CLR	NC		10.00			75	61	66	62	13	16	29.74	29.83	16	OVC	012		10.00	-RA		51	49	50	92	17	04	29.80	29.89
19	BKN	110		10.00			70	61	64	73	8	17	29.71	29.80	19	OVC	012		10.00			51	49	50	92	15	01	29.83	29.91
22	BKN	120		10.00			70	60	64	71	13	21	29.72	29.80	22	BKN	026		10.00			50	46	48	86	10	36	29.85	29.93
<p>SUNRISE: 0448 MAY 15 SUNSET: 1909</p>																													
01	CLR	NC		10.00			64	61	62	90	8	22	29.68	29.77	01	CLR	NC		10.00			45	44	45	97	7	32	29.80	29.89
04	CLR	NC		9.00			62	61	61	96	6	18	29.67	29.75	04	CLR	NC		10.00			42	41	42	96	7	31	29.79	29.88
07	CLR	NC		6.00	BR		64	62	63	93	5	25	29.70	29.79	07	CLR	NC		10.00			54	48	51	80	6	33	29.82	29.91
10	BKN	100		10.00			72	60	65	66	14	29	29.73	29.82	10	CLR	NC		10.00			67	47	56	49	9	34	29.81	29.90
13	SCT	NC		10.00			72	48	59	43	6	28	29.73	29.82	13	CLR	NC		10.00			73	42	57	33	10	33	29.77	29.85
16	SCT	NC		10.00			70	45	57	41	7	24	29.71	29.80	16	BKN	085		10.00	-RA		67	46	56	47	15	34	29.75	29.84
19	CLR	NC		10.00			68	51	58	55	9	18	29.72	29.81	19	CLR	NC		10.00			60	50	55	70	8	18	29.76	29.85
22	CLR	NC		10.00			62	53	57	73	6	21	29.74	29.82	22	OVC	110		10.00			59	47	53	64	6	35	29.78	29.87
<p>SUNRISE: 0447 MAY 16 SUNSET: 1910</p>																													
01	BKN	037		10.00			61	54	57	78	12	28	29.75	29.84	01	CLR	NC		10.00			52	49	50	89	6	30	29.73	29.82
04	BKN	090		10.00			56	53	54	90	6	29	29.74	29.83	04	OVC	065		10.00	-RA		52	47	49	83	6	30	29.72	29.81
07	FEW	NC		10.00			59	46	52	62	9	35	29.84	29.92	07	OVC	075		10.00			53	49	51	86	8	31	29.71	29.80
10	CLR	NC		10.00			67	42	54	41	9	32	29.87	29.96	10	FEW	NC		10.00			61	47	54	60	8	31	29.68	29.77
13	CLR	NC		10.00			69	40	54	35	13	29	29.86	29.95	13	OVC	070		10.00			65	44	54	47	16	30	29.65	29.74
16	CLR	NC		10.00			68	40	54	36	17	28	29.86	29.95	16	CLR	NC		10.00			67	45	55	45	16	33	29.63	29.72
19	CLR	NC		10.00			61	39	50	44	10	29	29.91	29.99	19	CLR	NC		10.00			62	43	52	50	9	04	29.62	29.70
22	SCT	NC		10.00			53	41	47	64	7	30	29.95	30.04	22	SCT	NC		10.00			57	46	51	67	10	06	29.65	29.74
<p>SUNRISE: 0446 MAY 17 SUNSET: 1911</p>																													
01	OVC	075		10.00			51	40	46	66	7	31	29.97	30.06	01	BKN	065		10.00			55	49	52	80	6	08	29.63	29.72
04	BKN	075		10.00			51	39	45	64	6	32	29.98	30.07	04	OVC	100		10.00			52	50	51	93	5	01	29.58	29.67
07	OVC	070		10.00			54	40	47	59	9	35	30.05	30.14	07	BKN	080		10.00			54	48	51	80	7	04	29.57	29.66
10	BKN	065		10.00			62	41	52	46	8	36	30.06	30.14	10	CLR	NC		10.00			58	47	52	67	8	07	29.56	29.65
13	OVC	060		10.00			63	40	51	43	6	VR	30.02	30.11	13	BKN	075		10.00			59	51	55	75	7	10	29.53	29.61
16	BKN	060		10.00			64	40	52	41	7	30	29.98	30.07	16	OVC	055		10.00			62	49	55	62	8	09	29.52	29.61
19	CLR	NC		10.00			58	42	50	56	6	30	30.00	30.09	19	OVC	080		10.00			59	51	55	75	8	16	29.52	29.61
22	CLR	NC		10.00			57	43	50	60	3	25	30.01	30.10	22	OVC	055		10.00			56	51	53	84	5	20	29.55	29.64
<p>SUNRISE: 0445 MAY 18 SUNSET: 1912</p>																													
01	CLR	NC		10.00			51	45	48	80	0	00	30.01	30.09	01	OVC	055		9.00	-RA		54	52	53	93	3	29	29.52	29.61
04	CLR	NC		10.00			46	42	44	86	6	34	30.01	30.10	04	OVC	004		7.00			53	52	52	96	3	26	29.50	29.59
07	BKN	075		10.00			55	42	49	62	0	00	30.05	30.14	07	OVC	060		8.00	-RA		54	53	53	97	3	31	29.54	29.62
10	BKN	070		10.00			63	42	52	47	3	08	30.05	30.14	10	OVC	009		8.00	-RA		54	52	53	93	9	02	29.59	29.67
13	BKN	055		10.00			68	45	56	44	5	35	30.00	30.09	13	OVC	013		8.00	-RA		55	53	54	93	9	05	29.63	29.72
16	SCT	NC		10.00			70	42	55	37	5	VR	29.96	30.04	16	BKN	110		10.00			58	51	54	78	9	04	29.66	29.74
19	CLR	NC		10.00			65	41	53	42	7	35	29.97	30.06	19	BKN	037		10.00			57	50	53	78	6	36	29.69	29.78
22	CLR	NC		10.00			57	50	53	78	5	12	30.01	30.09	22	OVC	030		10.00			53	44	49	72	17	03	29.74	29.83

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

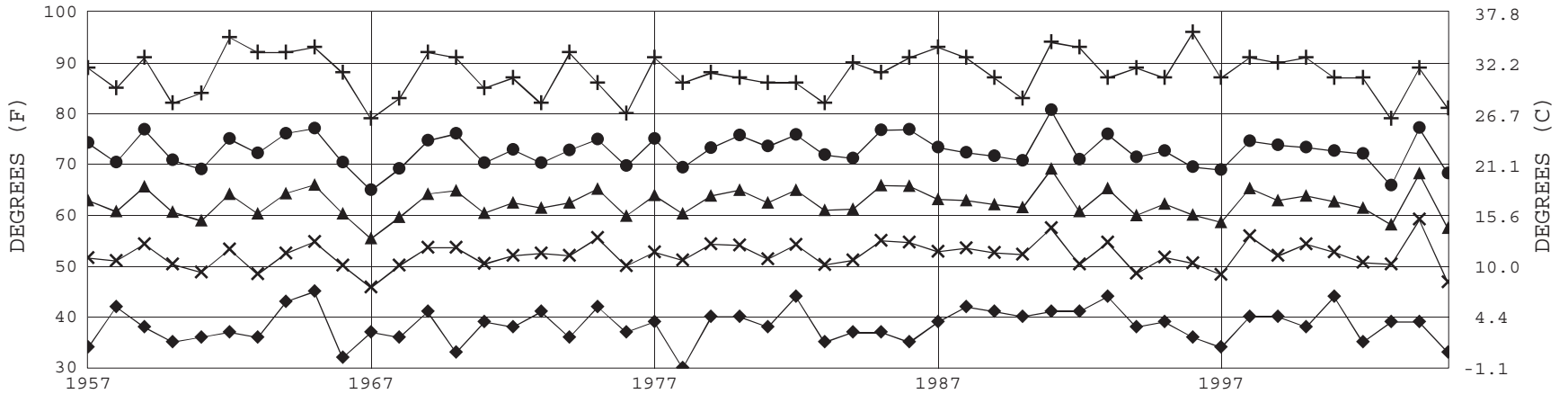
MAY 2005

ILG

WBAN # 13781

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)																	
	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)			SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)		SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL																										
SUNRISE: 0440								MAY 25								SUNSET: 1918								SUNRISE: 0437								MAY 31								SUNSET: 1923							
01	OVC	044				10.00		50	43	47	77	9	01	29.72	29.81	01	CLR	NC				10.00		55	53	54	93	0	00	29.89	29.98																
04	OVC	035				10.00		49	45	47	86	9	33	29.68	29.77	04	CLR	NC				9.00		51	49	50	92	6	28	29.90	29.99																
07	OVC	050				10.00	-RA	50	46	48	86	9	32	29.69	29.77	07	CLR	NC				10.00		60	52	56	75	3	VR	29.95	30.03																
10	OVC	020				10.00		52	47	49	83	12	36	29.67	29.76	10	CLR	NC				10.00		71	48	58	44	0	00	29.97	30.06																
13	OVC	039				10.00	-RA	51	49	50	92	7	35	29.69	29.78	13	BKN	070				10.00		75	48	60	39	8	31	29.96	30.05																
16	OVC	026				10.00		54	49	51	83	6	35	29.69	29.78	16	FEW	NC				10.00		78	45	60	31	7	29	29.94	30.03																
19	OVC	040				10.00		52	49	50	89	8	32	29.70	29.78	19	CLR	NC				10.00		74	46	59	37	3	17	29.96	30.05																
22	OVC	045				10.00	-RA	51	50	51	96	5	28	29.66	29.74	22	CLR	NC				10.00		64	56	59	75	8	15																		
SUNRISE: 0440								MAY 26								SUNSET: 1919								3-HOURLY OBSERVATION NOTES																							
01	OVC	040				10.00		52	49	50	89	8	29	29.60	29.69	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	039				10.00		54	48	51	80	7	30	29.57	29.66	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																															
07	OVC	041				10.00		58	49	53	72	12	31	29.60	29.69	NC = No ceiling detected.																															
10	OVC	033				10.00		60	49	54	67	15	01	29.64	29.72	& = Original observation contained additional weather elements.																															
13	OVC	049				10.00		64	50	56	61	0	00	29.65	29.74	See page 3 for additional notes.																															
16	CLR	NC				10.00		64	52	57	65	10	11	29.64	29.73																																
19	CLR	NC				10.00		61	53	57	75	8	09	29.67	29.76																																
22	CLR	NC				10.00		57	53	55	87	0	00	29.69	29.78																																
SUNRISE: 0439								MAY 27								SUNSET: 1920																															
01	CLR	NC				10.00		49	48	48	97	3	28	29.69	29.78																																
04	CLR	NC				10.00		49	48	48	97	3	30	29.68	29.77																																
07	CLR	NC				10.00		58	53	55	84	3	24	29.72	29.80																																
10	CLR	NC				10.00		75	49	60	40	9	24	29.72	29.80																																
13	SCT	NC				10.00		80	54	64	41	10	24	29.69	29.78																																
16	CLR	NC				10.00		80	52	63	38	16	25	29.67	29.76																																
19	FEW	NC				10.00		75	44	58	33	15	28	29.71	29.80																																
22	CLR	NC				10.00		64	45	54	50	7	24	29.76	29.85																																
SUNRISE: 0439								MAY 28								SUNSET: 1921																															
01	CLR	NC				10.00		58	47	52	67	0	00	29.78	29.86																																
04	SCT	NC				10.00		56	47	51	72	3	15	29.76	29.85																																
07	CLR	NC				10.00		61	50	55	67	3	27	29.79	29.88																																
10	CLR	NC				10.00		73	50	60	44	8	22	29.76	29.85																																
13	CLR	NC				10.00		78	51	62	39	13	19	29.69	29.78																																
16	OVC	070				10.00		60	56	58	86	10	32	29.70	29.79																																
19	CLR	NC				10.00		62	53	57	73	9	26	29.74	29.83																																
22	CLR	NC				10.00		57	53	55	87	3	24	29.75	29.84																																
SUNRISE: 0438								MAY 29								SUNSET: 1921																															
01	CLR	NC				10.00		53	50	51	89	7	31	29.75	29.84																																
04	CLR	NC				10.00		51	48	50	89	6	27	29.77	29.85																																
07	CLR	NC				10.00		59	50	54	72	12	28	29.82	29.91																																
10	CLR	NC				10.00		68	53	59	59	10	31	29.82	29.91																																
13	FEW	NC				10.00		73	48	59	41	15	28	29.79	29.88																																
16	OVC	070				10.00		73	46	58	38	14	27	29.77	29.86																																
19	BKN	120				10.00		67	52	59	59	6	29	29.81	29.90																																
22	CLR	NC				10.00		60	48	54	65	3	26	29.84	29.93																																
SUNRISE: 0438								MAY 30								SUNSET: 1922																															
01	CLR	NC				10.00		55	48	51	77	5	27	29.83	29.92																																
04	CLR	NC				10.00		50	47	48	89	6	31	29.86	29.95																																
07	CLR	NC				10.00		60	50	55	70	6	31	29.90	29.98																																
10	CLR	NC				10.00		72	46	58	40	5	VR	29.89	29.98																																
13	FEW	NC				10.00		74	48	59	40	10	28	29.85	29.94																																
16	OVC	095				10.00		71	49	59	46	10	24	29.85	29.94																																
19	OVC	080				10.00		64	52	57	65	10	32	29.88	29.96																																
22	CLR	NC				10.00		59	52	55	78	6	27	29.88	29.96																																

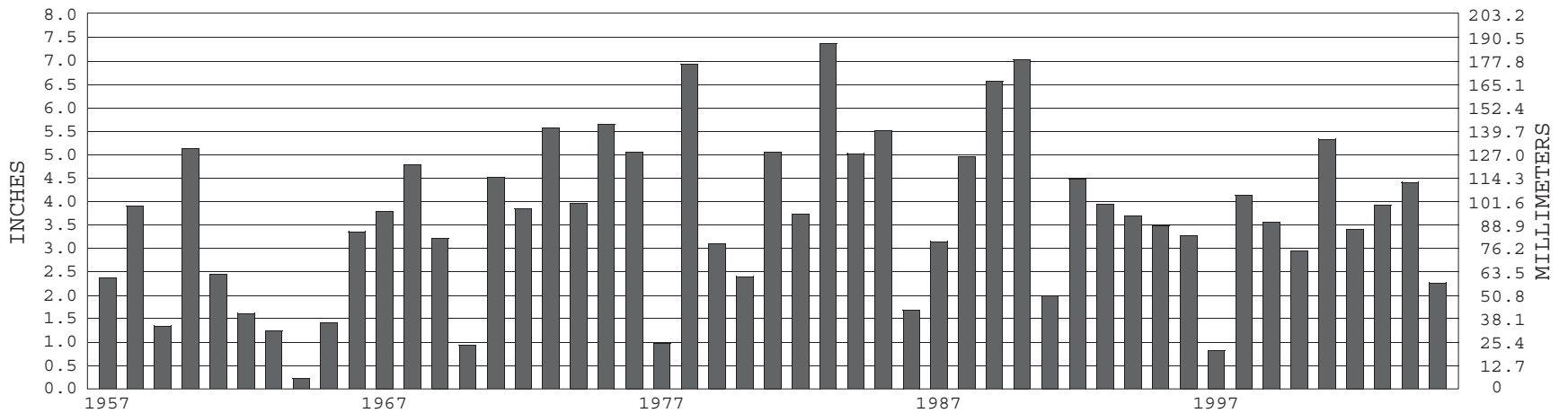
WILMINGTON, DE MAY TEMPERATURES



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

Long-Term (1957-2005) Mean: 62.4 1971-2000 Normal: 62.5

WILMINGTON, DE MAY PRECIPITATION



Long-Term (1957-2005) Mean Monthly Total: 3.66

1971-2000 Normal: 4.15



MAY 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.

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