



JULY 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

JULY 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				
										DEPTH	WATER EQUIV	SNOW FALL	WATER EQUIV						SPEED	DIR	SPEED		DIR
01	84	71	78	3	72	74	0	13	FG+ BR HZ VCTS	0		0.0	0.00	29.68	29.76	5.6	13	6.2	23	32	20	15	01
02	85	68	77	1	64	69	0	12	BR	0		0.0	0.00	29.78	29.86	6.1	34	6.9	20	32	13	30	02
03	81	62	72	-4	59	64	0	7		0		0.0	0.00	30.02	30.10	5.8	09	7.5	21	09	14	08	03
04	84	61	73	-3	63	67	0	8		0		0.0	0.00	30.05	30.13	5.0	13	8.0	17	15	16	15	04
05	81	69	75	-1	71	72	0	10	TS RA BR VCTS	0		0.0	0.72	29.90	29.98	6.8	15	8.4	20	31	17	32	05
06	85	67	76	0	69	71	0	11	TSRA RA BR HZ VCTS	0		0.0	0.20	29.82	29.90	5.1	30	6.1	17	30	14	30	06
07	75	65	70	-6	67	69	0	5	RA	0		0.0	0.24	29.97	30.06	7.5	09	8.2	17	08	15	08	07
08	72	64	68*	-8	63	65	0	3	RA BR	0		0.0	1.52	29.88	29.97	8.8	03	11.4	29	01	23	03	08
09	85	60	73	-3	62	66	0	8	BR	0		0.0	0.00	29.95	30.03	7.2	28	7.8	25	28	20	28	09
10	88	63	76	0	61	67	0	11		0		0.0	0.00	30.00	30.08	6.6	28	7.2	16	29	15	30	10
11	89	63	76	0	59	67	0	11		0		0.0	0.00			7.9	28	8.2	22	29	17	29	11
12	92	69	81	4	66	71	0	16	TS RA BR	0		0.0	0.53	29.94	30.02	1.8	12	6.4	20	07	17	08	12
13	83	70	77	0	71	72	0	12	RA BR HZ	0		0.0	T	29.91	29.99	5.6	10	7.3	17	14	15	10	13
14	84	72	78	1	72	74	0	13	BR HZ	0		0.0	0.00	29.90	29.98	6.7	13	7.8	18	15	16	15	14
15	86	75	81	4	74	76	0	16	BR	0		0.0	0.00	29.94	30.02	4.6	12	6.6	20	16	17	16	15
16	81	75	78	1	75	75	0	13	TSRA RA BR HZ VCTS	0		0.0	0.94	30.00	30.08	7.0	10	7.6	18	11	15	12	16
17	87	74	81	4	76	77	0	16	RA BR	0		0.0	0.04	29.95	30.03	6.5	14	7.1	21	15	18	14	17
18	90	76	83	6	75	77	0	18	BR	0		0.0	0.00	29.89	29.97	3.1	23	4.3	15	25	13	24	18
19	91	75	83	6	74	76	0	18	RA BR	0		0.0	T	29.86	29.94	5.0	26	5.9	16	26	14	29	19
20	88	72	80	3	67	72	0	15		0		0.0	0.00	29.92	30.00	6.9	31	7.9	23	29	17	28	20
21	90	68	79	2	66	71	0	14		0		0.0	0.00	29.88	29.96	3.2	25	5.1	15	25	13	24	21
22	92	72	82	5	69	73	0	17	BR HZ	0		0.0	0.00	29.85	29.93	5.1	30	5.4	13	28	12	28	22
23	87	67	77	0	62	68	0	12		0		0.0	0.00	29.94	30.02	8.0	33	8.3	21	32	16	32	23
24	85	60*	73	-4	57	64	0	8		0		0.0	0.00	29.98	30.07	3.4	21	6.5	17	18	13	20	24
25	88	69	79	2	72	74	0	14	TS TSRA RA BR HZ VCTS	0		0.0	0.29	29.82	29.90	7.6	22	8.1	30	19	22	20	25
26	94	74	84	7	72	76	0	19	BR	0		0.0	0.00	29.78	29.86	2.9	22	5.7	15	18	13	18	26
27	96*	71	84*	7	74	77	0	19	TS TSRA RA BR HZ	0		0.0	0.34	29.74	29.82	5.5	24	8.7	36*	32	29*	31	27
28	82	66	74	-3	61	66	0	9		0		0.0	0.00	29.95	30.03	4.3	34	5.8	20	01	16	36	28
29	81	63	72	-5	66	69	0	7		0		0.0	0.00	30.05	30.14	3.1	16	5.3	17	14	15	14	29
30	82	71	77	0	68	71	0	12		0		0.0	0.00	30.12	30.20	4.8	11	6.3	15	11	12	18	30
31	82	67	75	-2	68	70	0	10	BR	0		0.0	0.00	30.12	30.20	4.1	10	6.4	16	14	15	07	31

85.5	68.4	77.0	■ ■	67.6	71.0	0.0	12.2	< MONTHLY AVERAGES	TOTALS->	0.0	4.82			1.0	30	7.1	<- MONTHLY AVERAGES
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- .5 1.1 0.4 ■ ■ <-----DEPARTURE FROM NORMAL-----> 0.54 SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3

DEGREE DAYS				GREATEST 24-HR PRECIPITATION: 1.76 DATE: 07-08				SEA LEVEL PRESSURE DATE TIME			
MONTHLY TOTAL DEPARTURE				SEASON TO DATE TOTAL DEPARTURE				GREATEST 24-HR SNOWFALL: 0.0 DATE:			
HEATING: 0 -1 0 -1				GREATEST SNOW DEPTH: 0 DATE:				MAXIMUM MINIMUM : 30.24 31 0851			
COOLING: 377 9 644 -12				NUMBER OF DAYS WITH →				PRECIPITATION ≥ 0.01 INCH : 9			
				MAXIMUM TEMP ≥ 90: 7				PRECIPITATION ≥ 0.10 INCH : 8			
				MINIMUM TEMP ≤ 32 : 0				SNOWFALL ≥ 1.0 INCH : 0			
				THUNDERSTORMS : 6				HEAVY FOG : 1			

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

JULY 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													01												01		0.00	
02													02												02		0.00	
03													03												03		0.00	
04													04												04		0.00	
05													05	0.01	0.06	0.07	0.48	0.01						T	0.09	05	0.72	
06	0.12	0.08											06												06		0.20	
07													07								0.01	0.04	0.07	0.12	07		0.24	
08	0.05	0.04	0.09	0.23	0.29	0.10	0.02	T	0.30	0.32	0.08	T	08	T	T									08		1.52		
09													09												09	T	0.00	
10													10												10		0.00	
11													11												11		0.00	
12													12												12		0.53	
13													13												13		T	
14													14												14		0.00	
15													15												15		0.00	
16													16	T											16		0.94	
17	0.03	0.01			T			0.21	0.02			0.55	0.08	17	T									T	17		0.04	
18														18	T										T	18		0.00
19														19												19		T
20														20												20		0.00
21														21												21		0.00
22														22												22		0.00
23														23												23		0.00
24														24												24		0.00
25		0.02		0.08	0.12	0.07							25													25		0.29
26													26													26		0.00
27													27													27		0.34
28													28													28		0.00
29													29						0.28	0.04	0.02		T		29		0.00	
30													30												30		0.00	
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)	.35	.46	.49	.57	.59	.62	.63	.63	.63	.67	.70	.70
Ending Date	16	16	16	16	16	16	16	16	16	08	08	08
Ending Time (Hour/Min)	1041	1042	1049	1054	1058	1113	1124	1124	1124	1008	1026	1026

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 JULY 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							.25	9.00	
02							1.75	10.00	
03							10.00	10.00	
04							10.00	10.00	
05							4.00	10.00	
06							4.00	10.00	
07							7.00	10.00	
08							2.00	10.00	
09							4.00	10.00	
10							10.00	10.00	
11							10.00	10.00	
12							9.00	10.00	
13							1.00	10.00	
14							3.00	10.00	
15							6.00	10.00	
16							1.00	10.00	
17							3.00	10.00	
18							2.50	10.00	
19							3.00	10.00	
20							7.00	10.00	
21							8.00	10.00	
22							2.50	10.00	
23							8.00	10.00	
24							10.00	10.00	
25							5.00	10.00	
26							1.25	10.00	
27							1.50	10.00	
28							10.00	10.00	
29							10.00	10.00	
30							10.00	10.00	
31							5.00	10.00	
MONTHLY AVGS							5.48	9.97	
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									
1 12 13									

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

JULY 2005

ILG

WBAN # 13781

HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)					
	SKY COVER	CEILING 100'S OF FT			OBSERVATION TIME (LST)	EFF CLD AMT Oktas	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	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0439					JUL 01					SUNSET: 1934					SUNRISE: 0442					JUL 07					SUNSET: 1933				
01	CLR	NC	9.00		73	71	72	94	3	13	29.72	29.81	01	CLR	NC	9.00		73	70	71	90	6	02	29.88	29.96				
04	OVC	002	4.00	BR	72	71	71	97	5	09	29.71	29.79	04	OVC	010	9.00		73	70	71	90	7	10	29.91	30.00				
07	OVC	001	0.75	BR	72	71	71	97	5	12	29.73	29.82	07	OVC	011	10.00		72	68	69	87	12	08	29.94	30.03				
10	OVC	011	1.50	HZ	78	73	75	85	3	13	29.69	29.78	10	OVC	016	10.00		73	67	69	81	6	12	29.99	30.08				
13	CLR	NC	6.00	HZ	83	75	77	77	12	15	29.66	29.74	13	OVC	013	10.00		72	67	69	84	7	10	30.00	30.09				
16	SCT	NC	8.00		82	72	75	72	13	15	29.63	29.71	16	OVC	016	10.00		72	66	68	82	8	10	29.98	30.07				
19	CLR	NC	7.00		79	72	74	79	8	11	29.63	29.71	19	OVC	012	10.00		70	66	67	87	10	10	29.97	30.06				
22	CLR	NC	6.00	BR	76	73	74	91	6	11	29.64	29.73	22	OVC	012	8.00	-RA	67	65	66	93	9	08	30.01	30.10				
SUNRISE: 0439					JUL 02					SUNSET: 1934					SUNRISE: 0442					JUL 08					SUNSET: 1933				
01	SCT	NC	5.00	BR	75	73	74	94	0	00	29.64	29.73	01	OVC	009	10.00	-RA	65	64	64	97	12	08	29.97	30.06				
04	CLR	NC	3.00	BR	73	72	72	96	5	33	29.66	29.74	04	OVC	019	4.00	+RA BR	64	63	63	96	15	09	29.90	29.99				
07	CLR	NC	9.00		75	68	70	79	7	36	29.73	29.81	07	OVC	009	10.00	-RA	65	63	64	93	20	07	29.85	29.94				
10	CLR	NC	10.00		79	64	69	60	10	36	29.78	29.86	10	OVC	023	4.00	RA BR	64	63	63	96	14	35	29.87	29.96				
13	CLR	NC	10.00		83	63	70	51	12	30	29.78	29.86	13	OVC	038	10.00	-RA	67	62	64	84	20	02	29.83	29.92				
16	CLR	NC	10.00		85	59	69	42	13	31	29.78	29.87	16	BKN	023	10.00		71	64	67	79	10	34	29.84	29.93				
19	CLR	NC	10.00		79	59	67	50	8	36	29.83	29.91	19	OVC	028	10.00		70	63	66	79	8	35	29.88	29.96				
22	FEW	NC	10.00		69	57	62	66	6	36	29.88	29.97	22	BKN	041	10.00		66	63	64	90	0	00	29.91	30.00				
SUNRISE: 0440					JUL 03					SUNSET: 1934					SUNRISE: 0443					JUL 09					SUNSET: 1932				
01	CLR	NC	10.00		68	59	63	73	3	02	29.91	30.00	01	SCT	NC	10.00		65	63	64	93	3	25	29.91	30.00				
04	CLR	NC	10.00		64	58	60	81	5	06	29.96	30.04	04	CLR	NC	7.00		62	61	61	96	5	28	29.94	30.02				
07	CLR	NC	10.00		72	63	66	73	10	05	30.00	30.09	07	CLR	NC	10.00		68	64	66	87	6	31	29.96	30.05				
10	CLR	NC	10.00		77	60	67	56	9	09	30.04	30.13	10	CLR	NC	10.00		78	64	69	62	12	25	29.96	30.05				
13	FEW	NC	10.00		80	60	68	51	12	10	30.03	30.12	13	SCT	NC	10.00		84	63	70	49	15	26	29.94	30.03				
16	CLR	NC	10.00		79	57	66	47	8	14	30.01	30.09	16	CLR	NC	10.00		84	60	69	44	12	28	29.91	30.00				
19	CLR	NC	10.00		76	58	65	54	7	12	30.02	30.11	19	SCT	NC	10.00		79	59	67	50	9	34	29.94	30.02				
22	BKN	048	10.00		70	59	63	68	3	07	30.07	30.16	22	CLR	NC	10.00		72	61	65	69	5	24	29.97	30.06				
SUNRISE: 0440					JUL 04					SUNSET: 1934					SUNRISE: 0444					JUL 10					SUNSET: 1932				
01	CLR	NC	10.00		67	60	63	79	3	08	30.07	30.16	01	CLR	NC	10.00		68	62	64	81	0	00	29.98	30.06				
04	CLR	NC	10.00		65	61	63	87	6	06	30.06	30.15	04	CLR	NC	10.00		65	60	62	84	3	28	29.98	30.06				
07	CLR	NC	10.00		68	61	64	78	7	02	30.09	30.18	07	CLR	NC	10.00		71	60	64	68	8	28	30.02	30.11				
10	CLR	NC	10.00		77	60	67	56	0	00	30.09	30.17	10	CLR	NC	10.00		82	60	68	47	8	32	30.03	30.12				
13	CLR	NC	10.00		82	62	69	51	8	11	30.04	30.13	13	CLR	NC	10.00		87	62	71	43	13	28	30.01	30.09				
16	CLR	NC	10.00		83	63	70	51	9	15	30.01	30.10	16	CLR	NC	10.00		87	61	70	42	10	28	29.98	30.07				
19	CLR	NC	10.00		77	68	71	74	13	16	30.00	30.08	19	CLR	NC	10.00		82	57	67	43	6	27	29.98	30.06				
22	FEW	NC	10.00		73	70	71	90	12	15	30.01	30.10	22	CLR	NC	10.00		72	62	66	71	6	27						
SUNRISE: 0441					JUL 05					SUNSET: 1933					SUNRISE: 0444					JUL 11					SUNSET: 1931				
01	BKN	007	8.00		72	70	71	94	7	14	30.00	30.08	01	CLR	NC	10.00		65	59	61	81	6	31						
04	OVC	005	6.00	BR	69	68	68	96	8	19	29.95	30.03	04	CLR	NC	10.00		65	59	61	81	3	26						
07	OVC	009	7.00		71	67	68	87	8	18	29.96	30.05	07	CLR	NC	10.00		74	62	67	67	7	28						
10	SCT	NC	8.00		77	69	72	77	10	14	29.93	30.02	10	CLR	NC	10.00		85	60	69	43	10	28						
13	BKN	060	7.00	-RA	80	73	75	79	10	14	29.88	29.96	13	CLR	NC	10.00		88	58	69	36	14	29						
16	BKN	033	10.00	VCTS	74	72	73	94	7	20	29.86	29.95	16	CLR	NC	10.00		89	57	69	34	12	29						
19	SCT	NC	6.00	BR	75	73	74	94	7	14	29.82	29.91	19	CLR	NC	10.00		84	59	68	43	9	25						
22	OVC	004	7.00		74	73	73	97	6	12	29.82	29.91	22	CLR	NC	10.00		77	61	67	58	5	26	29.94	30.02				
SUNRISE: 0441					JUL 06					SUNSET: 1933					SUNRISE: 0445					JUL 12					SUNSET: 1931				
01	OVC	030	9.00	RA	69	68	68	96	3	17	29.80	29.89	01	CLR	NC	10.00		74	61	66	64	6	27	29.93	30.01				
04	FEW	NC	10.00		69	68	68	96	6	27	29.77	29.86	04	CLR	NC	10.00		71	60	64	68	5	25	29.93	30.01				
07	OVC	010	6.00	BR	70	68	69	93	5	33	29.80	29.89	07	CLR	NC	10.00		77	63	68	62	5	32	29.95	30.04				
10	OVC	018	4.00	BR	77	69	72	77	3	34	29.82	29.91	10	CLR	NC	10.00		87	68	74	53	3	02	29.95	30.03				
13	SCT	NC	10.00		83	69	74	63	8	29	29.83	29.92	13	SCT	NC	10.00		88	67	74	50	7	11	29.92	30.01				
16	FEW	NC	9.00		85	70	75	61	12	29	29.81	29.89	16	FEW	NC	10.00		88	70	76	55	8	15	29.90	29.98				
19	CLR	NC	10.00		81	68	72	65	7	30	29.82	29.90	19	SCT	NC	10.00		82	69	73	65	7	12	29.92	30.01				
22	CLR	NC	9.00		76	69	71	79	7	29	29.86	29.95	22	SCT	NC	10.00	-RA	74	69	71	85	8	12	29.95	30.03				

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

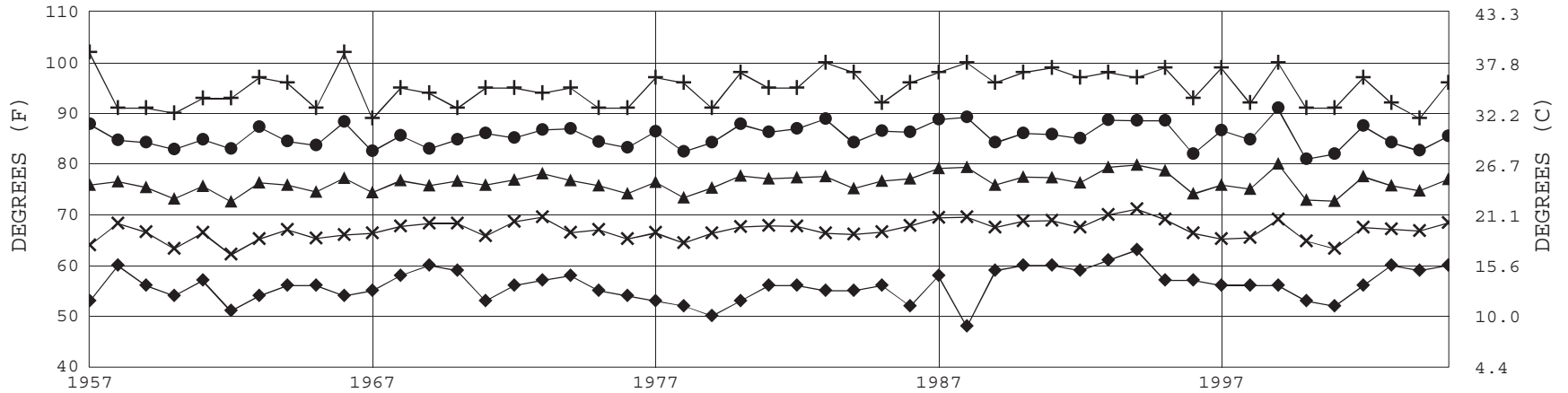
JULY 2005

ILG

WBAN # 13781

HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		VISIBILITY (MILES)	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: 0446					JUL 13					SUNSET: 1931					SUNRISE: 0450					JUL 19					SUNSET: 1927				
01	CLR	NC	10.00		71	68	69	90	5	09	29.92	30.01	01	CLR	NC	6.00	BR	79	75	76	88	0	00	29.86	29.94				
04	OVC	005	7.00		70	68	69	93	8	05	29.90	29.98	04	CLR	NC	4.00	BR	76	74	75	94	3	29	29.83	29.91				
07	OVC	005	2.00	BR	70	69	69	97	8	05	29.93	30.01	07	CLR	NC	7.00		78	74	75	87	5	24	29.88	29.96				
10	OVC	005	1.50	BR	73	70	71	90	3	05	29.95	30.04	10	CLR	NC	10.00		87	75	78	67	9	30	29.90	29.98				
13	OVC	011	2.50	BR	77	73	74	88	5	13	29.90	29.99	13	FEW	NC	10.00		89	75	79	63	8	27	29.86	29.94				
16	CLR	NC	6.00	HZ	82	74	76	77	9	17	29.87	29.96	16	BKN	043	10.00		87	75	78	67	9	23	29.82	29.91				
19	CLR	NC	10.00		78	71	73	79	6	09	29.88	29.97	19	CLR	NC	10.00		82	74	76	77	7	30	29.85	29.93				
22	OVC	013	10.00		75	72	73	90	9	12	29.91	30.00	22	CLR	NC	10.00		79	73	75	82	6	27	29.88	29.97				
SUNRISE: 0447					JUL 14					SUNSET: 1930					SUNRISE: 0451					JUL 20					SUNSET: 1926				
01	OVC	011	10.00		74	72	73	94	5	10	29.90	29.98	01	CLR	NC	10.00		75	72	73	90	6	29	29.89	29.97				
04	OVC	003	4.00	BR	73	72	72	96	7	08	29.88	29.97	04	CLR	NC	7.00		74	71	72	91	8	31	29.89	29.97				
07	OVC	017	4.00	BR	74	72	73	94	7	07	29.92	30.00	07	FEW	NC	10.00		79	68	72	69	6	35	29.94	30.03				
10	BKN	033	10.00		78	71	73	79	9	08	29.92	30.01	10	FEW	NC	10.00		86	65	72	50	9	35	29.96	30.04				
13	BKN	042	10.00		83	70	74	65	10	15	29.90	29.98	13	CLR	NC	10.00		15	30	29.92									
16	CLR	NC	10.00		78	73	75	85	9	16	29.88	29.96	16	CLR	NC	10.00		87	66	73	50	10	31	29.90	29.99				
19	BKN	012	10.00		77	73	74	88	10	15	29.86	29.95	19	FEW	NC	10.00		81	66	71	61	7	31	29.91	29.99				
22	CLR	NC	10.00		76	73	74	91	6	13	29.91	29.99	22	CLR	NC	10.00		77	66	70	69	3	24	29.94	30.02				
SUNRISE: 0447					JUL 15					SUNSET: 1930					SUNRISE: 0452					JUL 21					SUNSET: 1926				
01	OVC	009	10.00		75	73	74	94	6	13	29.90	29.98	01	CLR	NC	10.00		73	66	69	79	0	00	29.92					
04	OVC	006	9.00		75	74	74	96	0	00	29.90	29.98	04	SCT	NC	10.00		70	66	67	87	5	30	29.90	29.99				
07	OVC	008	6.00	BR	77	74	75	90	5	02	29.94	30.03	07	CLR	NC	10.00		76	67	70	74	5	30	29.93	30.01				
10	BKN	016	7.00		81	74	76	79	6	VR	29.96	30.05	10	CLR	NC	10.00		86	68	74	55	5	20	29.91	30.00				
13	FEW	NC	10.00		85	74	77	70	9	17	29.94	30.02	13	FEW	NC	10.00		89	61	71	39	6	VR	29.87	29.95				
16	CLR	NC	10.00		83	75	77	77	15	14	29.93	30.02	16	CLR	NC	10.00		88	65	73	46	10	22	29.84	29.92				
19	SCT	NC	10.00		78	73	75	85	6	09	29.95	30.03	19	BKN	110	10.00		85	65	72	51	7	21	29.82	29.91				
22	CLR	NC	10.00		77	73	74	88	6	11	29.97	30.05	22	BKN	085	9.00		78	71	73	79	7	32	29.85	29.93				
SUNRISE: 0448					JUL 16					SUNSET: 1929					SUNRISE: 0453					JUL 22					SUNSET: 1925				
01	OVC	006	7.00		76	74	75	94	6	12	29.99	30.08	01	CLR	NC	8.00		76	70	72	82	3	27	29.84	29.92				
04	OVC	004	5.00	BR	75	74	74	96	8	09	29.98	30.07	04	SCT	NC	6.00	BR	74	71	72	91	6	30	29.85	29.94				
07	OVC	005	3.00	-RA BR	76	75	75	97	7	10	30.01	30.09	07	CLR	NC	2.50	HZ	76	71	73	85	6	30	29.87	29.95				
10	BKN	026	6.00	HZ	81	76	77	85	7	10	30.02	30.10	10	CLR	NC	9.00		85	70	75	61	6	32	29.87	29.95				
13	BKN	027	1.00	BR	79	76	77	90	9	08	29.99	30.07	13	CLR	NC	10.00		89	66	74	47	6	26	29.85	29.93				
16	BKN	040	10.00		79	72	74	79	6	12	29.98	30.06	16	CLR	NC	10.00		88	68	74	52	9	29	29.82	29.91				
19	BKN	012	7.00		78	76	77	93	7	10	29.97	30.06	19	CLR	NC	8.00		85	71	75	63	6	28	29.81	29.90				
22	OVC	012	10.00	VCTS -RA	77	73	74	88	9	11	29.98	30.07	22	CLR	NC	10.00		78	70	73	76	5	30	29.84	29.93				
SUNRISE: 0449					JUL 17					SUNSET: 1928					SUNRISE: 0454					JUL 23					SUNSET: 1924				
01	OVC	004	5.00	-RA BR	75	75	75	100	5	12	29.98	30.06	01	CLR	NC	8.00		75	70	72	84	6	33	29.85	29.94				
04	BKN	003	4.00	BR	76	75	75	97	5	11	29.96	30.04	04	CLR	NC	9.00		73	69	70	87	7	32	29.86	29.95				
07	OVC	021	9.00		76	75	75	97	5	13	29.99	30.07	07	CLR	NC	10.00		77	67	70	71	7	34	29.91	29.99				
10	BKN	022	10.00		81	77	78	88	9	15	29.98	30.06	10	CLR	NC	10.00		82	64	70	55	10	34	29.95	30.03				
13	CLR	NC	10.00	-RA	84	78	80	82	9	15	29.95	30.03	13	FEW	NC	10.00		86	62	71	45	14	35	29.94	30.03				
16	CLR	NC	10.00		84	75	78	74	13	16	29.90	29.99	16	CLR	NC	10.00		85	55	67	36	12	32	29.94	30.02				
19	CLR	NC	9.00		81	75	77	82	5	16	29.92	30.00	19	CLR	NC	10.00		78	53	63	42	8	32	29.95	30.04				
22	FEW	NC	8.00		80	77	78	90	5	18	29.92	30.01	22	CLR	NC	10.00		69	57	62	66	5	31	29.99	30.08				
SUNRISE: 0450					JUL 18					SUNSET: 1928					SUNRISE: 0455					JUL 24					SUNSET: 1923				
01	CLR	NC	6.00	BR	78	76	77	93	5	12	29.90	29.98	01	CLR	NC	10.00		66	58	61	75	6	31	30.01	30.09				
04	OVC	005	4.00	BR	78	76	77	93	3	22	29.89	29.98	04	CLR	NC	10.00		68	55	61	63	0	00	30.00	30.09				
07	FEW	NC	2.50	BR	78	76	77	93	0	00	29.92	30.00	07	CLR	NC	10.00		70	60	64	71	5	33	30.03	30.12				
10	SCT	NC	10.00		84	75	78	74	6	31	29.91	30.00	10	CLR	NC	10.00		80	56	65	44	6	12	30.03	30.12				
13	OVC	035	10.00		86	75	78	70	6	13	29.88	29.97	13	FEW	NC	10.00		83	57	67	41	9	14	30.00	30.09				
16	CLR	NC	7.00		88	74	78	63	9	22	29.85	29.93	16	CLR	NC	10.00		83	51	64	33	10	22	29.95	30.03				
19	CLR	NC	8.00		84	73	76	70	5	26	29.84	29.92	19	CLR	NC	10.00		80	56	65	44	6	20	29.92	30.01				
22	CLR	NC	7.00		81	74	76	79	5	24	29.88	29.96	22	CLR	NC	10.00		75	60	66	60	5	19	29.92	30.01				

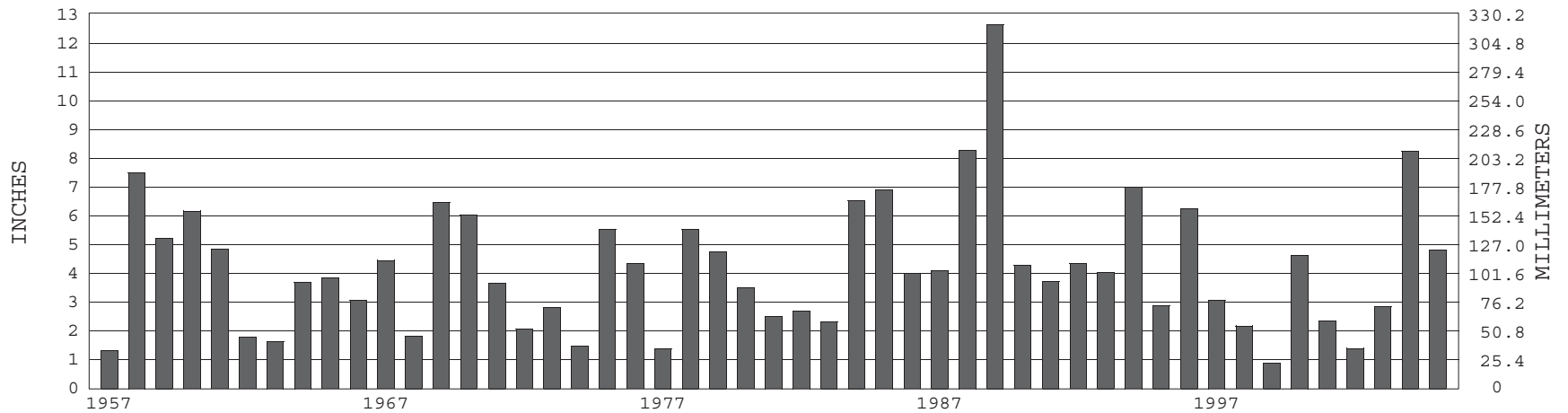
WILMINGTON, DE JULY TEMPERATURES



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

Long-Term (1957-2005) Mean: 76.3 1971-2000 Normal: 76.6

WILMINGTON, DE JULY PRECIPITATION



Long-Term (1957-2005) Mean Monthly Total: 4.20

1971-2000 Normal: 4.28



JULY 2005

WILMINGTON, DE

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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