



# JUNE 2007 LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

WILMINGTON, DE  
NEW CASTLE COUNTY AIRPORT (KILG)  
Lat:39° 40'N Long: 75° 36'W Elev (Ground) 75 Feet  
Time Zone : EASTERN WBAN: 13781 ISSN#: 0198-117X



Date 1	Temperature °F						Deg Days BASE 65°		WEATHER 10	SNOW/ICE ON GND(IN)		PRECIPITATION ON GND(IN)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								Date 24
	MAXIMUM 2	MINIMUM 3	AVERAGE 4	DEP FROM NORMAL 5	AVERAGE DEW PT 6	AVERAGE WET BULB 7	HEATING 8	COOLING 9		0700 LST 11	1300 LST 12	2400 LST 13	2400 LST 14	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM					
																			5-SEC		2-MIN			
01	89	69	79	12	64	69	0	14	HZ	0		0.0	0.00	29.96	30.04	5.0	19	7.5	21	24	16	23	01	
02	87	69	78	10	64	69	0	13		0		0.0	0.00	29.85	29.93	7.0	17	7.8	23	16	20	16	02	
03	74	65	70	2	64	66	0	5	RA BR	0		0.0	1.01	29.66	29.71	8.3	09	12.2	31	06	24	06	03	
04	81	66	74	6	64	67	0	9	RA BR	0		0.0	0.51	29.36	29.45	3.9	29	8.1	21	27	16	28	04	
05	81	63	72	4	58	64	0	7	RA BR	0		0.0	T	29.47	29.58	9.8	26	10.7	28	24	23	27	05	
06	75	56	66	-3	48	56	0	1	RA	0		0.0	T	29.77	29.89	8.4	31	9.1	24	31	20	29	06	
07	81	53	67	-3	56	61	0	2		0		0.0	0.00	29.96	30.05	4.6	14	6.4	18	17	16	16	07	
08	92	66	79	9	69	72	0	14	RA HZ	0		0.0	0.01	29.84	29.91	3.0	17	5.8	18	31	16	31	08	
09	87	69	78	8	62	68	0	13	RA	0		0.0	T	29.80	29.89	7.9	34	11.4	26	34	23	33	09	
10	78	66	72	2	57	63	0	7	RA	0		0.0	T	29.91	30.01	3.8	10	5.6	17	15	15	16	10	
11	82	62	72	2	62	65	0	7	TS TSRA RA BR VCTS	0		0.0	0.42	29.95	30.03	1.2	31	2.9	28	05	23	04	11	
12	89	66	78	8	63	67	0	13	RA	0		0.0	0.20	29.91	30.01	3.7	36	5.8	35	07	28	07	12	
13	77	60	69	-2	60	63	0	4	RA	0		0.0	T	29.95	30.05	6.5	09	7.9	24	10	20	10	13	
14	64	56	60*	-11	49	54	5	0	RA	0		0.0	T	30.03	30.12	6.4	06	7.6	18	09	15	07	14	
15	73	58	66	-6	54	59	0	1	RA	0		0.0	T	29.99	30.08	1.8	28	4.7	14	03	12	02	15	
16	80	62	71	-1	57	63	0	6	RA HZ	0		0.0	0.01	29.94	30.02	6.3	24	6.9	17	25	14	24	16	
17	89	63	76	4	60	66	0	11	BR	0		0.0	0.00	29.87	29.95	7.0	27	8.1	22	25	18	27	17	
18	88	68	78	5	64	69	0	13	HZ	0		0.0	0.00	29.91	30.01	4.3	15	9.1	24	16	21	16	18	
19	88	67	78	5	67	70	0	13	RA BR HZ VCTS	0		0.0	0.11	29.91	29.98	7.3	14	8.5	23	14	20	16	19	
20	82	62	72	-1	60	65	0	7	RA BR	0		0.0	0.05	29.83	29.93	7.9	32	9.0	25	31	21	31	20	
21	84	57	71	-2	52	61	0	6		0		0.0	0.00	29.87	29.94	9.3	26	10.9	29	25	22	26	21	
22	80	61	71	-2	48	58	0	6		0		0.0	0.00	29.79	29.89	11.5	31	12.5	32	29	24	29	22	
23	78	53*	66	-8	44	55	0	1		0		0.0	0.00	29.86	29.96	7.3	30	8.1	25	28	20	27	23	
24	83	54	69	-5	51	60	0	4		0		0.0	0.00	30.00	30.10	2.2	17	5.7	21	27	16	16	24	
25	84	67	76	2	68	70	0	11	RA BR	0		0.0	0.28	30.11	30.20	6.0	16	6.6	20	16	17	16	25	
26	91	71	81	7	71	74	0	16	BR HZ	0		0.0	0.00	30.14	30.21	5.4	16	6.3	18	16	16	17	26	
27	94*	73	84*	10	71	74	0	19	RA BR HZ VCTS	0		0.0	0.04	30.00	30.07	5.2	20	7.6	36*	26	28*	28	27	
28	90	70	80	5	70	73	0	15	RA BR HZ VCTS	0		0.0	0.01	29.88	29.95	5.0	25	7.4	25	33	22	33	28	
29	76	68	72	-3	66	68	0	7	RA BR	0		0.0	0.07	29.90	30.00	1.1	31	3.5	15	02	14	03	29	
30	81	67	74	-1	57	64	0	9	BR HZ	0		0.0	0.00	29.91	29.99	2.0	13	6.7	16	14	13	04	30	

82.6	63.6	73.1	☼	60.0	65.1	0.2	8.5	< MONTHLY AVERAGES   TOTALS >				0.0	2.72	29.88	29.97	1.2	25	7.7	< MONTHLY AVERAGES				
1.5	1.8	1.6		<-----DEPARTURE FROM NORMAL----->										-0.87	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3								
<b>DEGREE DAYS</b>								GREATEST 24-HR PRECIPITATION : 1.50 DATE : 03-04				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY								GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.26				26 0824							
TOTAL DEPARTURE								GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.41				04 0656							
SEASON TO DATE								NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 4				MINIMUM TEMP <= 32 : 0				PRECIPITATION >= 0.01 INCH : 12			
TOTAL DEPARTURE								THUNDERSTORMS : 1				MAXIMUM TEMP <= 32 : 0				MINIMUM TEMP <= 0 : 0				PRECIPITATION >= 0.10 INCH : 6			
HEATING : 5 -10 4586 -302												HEAVY FOG : 0				SNOWFALL >= 1.0 INCH : 0							
COOLING : 254 -39 359 71																							

JUNE 2007  
WILMINGTON, DE

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE (KILG)  
JUNE 2007

WBAN # 13781

Date	FOR HOUR (LST) ENDING AT												Date	FOR HOUR (LST) ENDING AT												Date	Sum of Hourly Data	2400 LST Water Equiv.
	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													01												01	0.00	0.00	
02													02												02	0.00	0.00	
03													03	T	T	0.01	0.07	0.34	0.40	0.10	0.03	0.03	0.01	T	0.01	03	1.01	1.01
04	T	T	0.06	0.12	0.05	0.04	0.01	0.01	0.13	0.07			04						0.02						04	0.51	0.51	
05													05										T		05	T	T	
06				T	T								06												06	T	T	
07													07												07	0.00	0.00	
08													08								0.01				08	0.01	0.01	
09		T	T										09											T	09	T	T	
10													10								T		T		10	T	T	
11	T	T	T	T	T	0.02	0.02	T					11	0.02	0.30	0.06									11	0.42	0.42	
12													12			T	0.07	0.05	0.05			T	0.03		12	0.20	0.20	
13													13										T		13	T	T	
14	T												14												14	T	T	
15													15					T	T	T					15	T	T	
16			0.01	T									16												16	0.01	0.01	
17													17												17	0.00	0.00	
18													18												18	0.00	0.00	
19													19									T	0.11		19	0.11	0.11	
20	T	0.01	0.03	T		T	0.01	T	T				20												20	0.05	0.05	
21													21												21	0.00	0.00	
22													22												22	0.00	0.00	
23													23												23	0.00	0.00	
24													24												24	0.00	0.00	
25			T	T	0.02	0.14	0.12	T					25												25	0.28	0.28	
26													26												26	0.00	0.00	
27													27								T	T	0.04		27	0.04	0.04	
28													28									0.01			28	0.01	0.01	
29					T	T	0.01	0.04	0.02	T	T	T	29												29	0.07	0.07	
30													30												30	0.00	0.00	

\* Indicates sum of Hourly and Daily disagree.

## MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	0.14	0.20	0.26	0.31	0.35	0.39	0.49	0.61	0.69	0.75	0.81	0.87
Ending Date	11	11	11	11	11	03	03	03	03	03	03	03
Ending Time (Hr/Min)	1359	1402	1358	1403	1407	1717	1731	1747	1800	1800	1823	1839

Note : The hourly and daily precipitation totals are printed in the last 2 columns and hi-lighted in red when they disagree. 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.

Date and time are not entered for TRACE amounts.

# 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		
DESCRIPTOR	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	
PR Partial	RA Rain	PY Spray	SQ Squalls
SH Shower(s)	SG Snow Grains	SA Sand	SS Sandstorm
TS Thunderstorm	SN Snow	VA Volcanic Ash	GL Glaze
VC In the Vicinity	UP Unkown Precipitation		

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

# WILMINGTON, DE JUNE 2007

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:

Station Augmentation-BEAR 2 SW COOP  
Lat/Lon:39.59167/-75.7325 Elevation:80  
Distance:4 MI Dir:SE  
Augmented Elements:Precip, Snow  
Equipment:SRG, Snowfall

Date	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			Sky Cover	Satellite	Sky Cover	Satellite			
01							6.00	10.00	
02							9.00	10.00	
03							1.50	10.00	
04							2.00	10.00	
05							5.00	10.00	
06							10.00	10.00	
07							10.00	10.00	
08							3.00	10.00	
09							10.00	10.00	
10							9.00	10.00	
11							2.00	10.00	
12							7.00	10.00	
13							9.00	10.00	
14							10.00	10.00	
15							8.00	10.00	
16							6.00	10.00	
17							6.00	10.00	
18							5.00	10.00	
19							4.00	10.00	
20							1.50	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							1.50	10.00	
26							2.00	8.00	
27							3.00	10.00	
28							1.75	10.00	
29							6.00	10.00	
30							3.00	10.00	
MONTHLY AVGS							6.04	9.93	
<b>SUNSHINE (Minutes)</b>									
Total : 0					Possible : 26858				
Percent Possible : 0									
<b>NUMBER OF DAYS WITH : SKY CONDITION</b>									
Clear		Partly CLDY		Cloudy		Missing			
<b>MINIMUM VISIBILITY (MILES)</b>									
<= .25			<= 3.0			>= 7.0			
0			10			13			

# OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE  
JUNE 2007 KILG

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)			
			Observation Time (LST)	Eff Cl'd Amt Oktas			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION				SEA LEVEL	Observation Time (LST)			Eff Cl'd Amt Oktas	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
		SUNRISE: 0437		JUN 01		SUNSET: 1923																							
01	SCT	090			10.00		72	61	65	68	5	18	30.02	30.11	01	CLR	NC			10.00		58	50	54	75	3	29	29.96	30.05
04	CLR	NC			9.00		70	64	66	81	7	18	29.99	30.08	04	CLR	NC			10.00		55	51	53	86	0	00	29.98	30.07
07	CLR	NC			10.00		72	62	66	71	9	18	30.01	30.08	07	CLR	NC			10.00		65	51	57	61	3	03	30.01	30.09
10	CLR	NC			10.00		79	64	69	60	5	VR	29.98	30.06	10	CLR	NC			10.00		72	55	62	55	3	VR	30.01	30.09
13	CLR	NC			8.00		88	63	72	43	7	23	29.94	30.03	13	CLR	NC			10.00		79	57	66	47	9	13	29.96	30.05
16	CLR	NC			8.00		87	64	72	46	11	17	29.90	29.97	16	CLR	NC			10.00		80	60	67	51	13	17	29.93	30.01
19	CLR	NC			10.00		79	66	71	65	6	16	29.91	29.98	19	CLR	NC			10.00		74	58	64	58	11	15	29.93	30.02
22	CLR	NC			6.00	HZ	76	66	70	71	8	10	29.94	30.02	22	CLR	NC			10.00		69	61	64	76	5	10	29.93	30.02
		SUNRISE: 0437		JUN 02		SUNSET: 1924																							
01	CLR	NC			10.00		74	63	67	69	6	19	29.91	29.99	01	CLR	NC					68	62	64	81	5	09	29.91	30.00
04	CLR	NC			10.00		70	63	66	79	6	20	29.90	29.98	04	OVC	003					68	66	67	93	5	09	29.88	29.97
07	CLR	NC			10.00		73	65	68	76	3	28	29.91	29.99	07	OVC	001					70	68	69	93	0	00	29.90	29.98
10	CLR	NC			10.00		81	66	71	60	8	15	29.90	29.97	10	FEW	085					80	70	73	72	0	00	29.86	29.95
13	FEW	060			10.00		85	66	72	53	14	14	29.85	29.93	13	CLR	NC			6.00	HZ	88	72	77	59	10	14	29.82	29.89
16	CLR	NC			10.00		81	66	71	60	13	16	29.80	29.89	16	CLR	NC			7.00		90	71	77	54	13	15	29.75	29.84
19	CLR	NC			10.00		82	62	69	51	6	21	29.78	29.86	19	SCT	085			4.00	HZ	81	72	75	74	8	15	29.77	29.84
22	CLR	NC			10.00		75	62	67	64	13	18	29.80	29.88	22	FEW	065			7.00		80	72	75	77	8	25	29.77	29.85
		SUNRISE: 0436		JUN 03		SUNSET: 1925																							
01	CLR	NC			10.00		71	62	65	73	5	16	29.78	29.85	01	CLR	NC			10.00		75	66	69	74	9	27	29.78	29.86
04	CLR	NC			10.00		70	63	66	79	0	00	29.73	29.82	04	CLR	NC			10.00		73	66	69	79	10	31	29.78	29.85
07	CLR	NC			10.00		72	66	68	82	8	13	29.73	29.81	07	CLR	NC			10.00		76	65	69	69	16	35	29.83	29.91
10	FEW	015			10.00		74	65	68	74	14	16	29.72	29.81	10	CLR	NC			10.00		82	63	70	53	11	34	29.83	29.92
13	SCT	090			10.00	-RA	72	64	67	76	15	10	29.65	29.74	13	CLR	NC			10.00		85	60	69	43	17	33	29.78	29.87
16	OVC	049			7.00	-RA	68	65	66	90	18	09	29.57	29.66	16	CLR	NC			10.00		85	58	68	40	11	36	29.80	29.87
19	OVC	009			3.00	-RA BR	66	64	65	93	15	05	29.51	29.59	19	BKN	060			10.00		81	57	66	44	7	34	29.82	29.90
22	OVC	014			4.00	-RA BR	65	63	64	93	11	05	29.46	29.53	22	OVC	049			10.00		74	63	67	69	11	08	29.86	29.94
		SUNRISE: 0436		JUN 04		SUNSET: 1925																							
01	OVC	004			4.00	-RA BR	66	64	65	93	13	05	29.38	29.46	01	OVC	019			10.00		68	62	64	81	8	09	29.86	29.95
04	OVC	004			8.00	-RA	67	65	66	93	7	36	29.33	29.41	04	OVC	023			10.00		67	57	61	70	6	09	29.90	29.97
07	OVC	008			10.00		67	64	65	90	8	01	29.34	29.41	07	OVC	022			10.00		67	55	60	66	5	09	29.94	30.03
10	OVC	023			10.00		69	66	67	90	8	31	29.36	29.45	10	OVC	027			10.00		69	57	62	66	6	07	29.94	30.03
13	BKN	029			10.00		73	64	67	74	11	26	29.38	29.46	13	OVC	041			10.00		72	56	63	57	3	33	29.96	30.04
16	FEW	040			10.00		80	63	69	56	16	24	29.36	29.45	16	CLR	NC			10.00		76	59	66	56	5	VR	29.93	30.01
19	OVC	090			9.00		74	67	69	79	7	22	29.39	29.47	19	SCT	110			10.00		74	58	64	58	5	10	29.93	30.01
22	SCT	080			10.00		71	62	65	73	6	22	29.43	29.51	22	OVC	090			10.00	-RA	69	60	64	73	11	15	29.96	30.04
		SUNRISE: 0436		JUN 05		SUNSET: 1926																							
01	CLR	NC			9.00		68	63	65	84	3	20	29.41	29.50	01	OVC	090			10.00		65	59	61	81	3	VR	29.96	30.04
04	BKN	090			5.00	BR	65	63	64	93	3	25	29.41	29.49	04	OVC	060			10.00		63	59	61	87	3	29	29.96	30.04
07	CLR	NC			7.00		71	66	68	84	9	24	29.44	29.52	07	BKN	110			7.00	-RA	63	60	61	90	0	00	29.99	30.08
10	SCT	070			10.00		79	56	65	45	17	25	29.46	29.54	10	SCT	100			10.00		72	64	67	76	5	28	29.98	30.06
13	FEW	085			10.00		80	56	65	44	20	23	29.48	29.56	13	SCT	043			10.00	TS	79	61	68	54	0	00	29.94	30.02
16	BKN	085			10.00		80	55	65	42	14	27	29.51	29.59	16	BKN	110			10.00		77	61	67	58	6	02	29.91	30.00
19	CLR	NC			10.00		75	56	64	52	10	29	29.57	29.65	19	FEW	120			10.00		77	60	66	56	0	00	29.91	29.99
22	FEW	110			10.00		68	54	60	61	5	32	29.64	29.72	22	CLR	NC			10.00		70	62	65	76	0	00	29.93	30.01
		SUNRISE: 0435		JUN 06		SUNSET: 1927																							
01	OVC	110			10.00		67	55	60	66	7	30	29.65	29.73	01	BKN	100			9.00		68	63	65	84	0	00	29.93	30.01
04	OVC	100			10.00		63	54	58	73	9	31	29.69	29.76	04	SCT	110			10.00		67	62	64	84	7	34	29.91	30.00
07	CLR	NC			10.00		63	49	55	60	11	34	29.75	29.84	07	BKN	110			10.00		73	63	67	71	6	32	29.94	30.02
10	FEW	039			10.00		66	47	56	51	10	32	29.80	29.89	10	CLR	NC					81	59	67	47	11	36	29.93	30.01
13	FEW	049			10.00		70	47	57	44	13	31	29.82	29.90	13	CLR	NC					87	59	69	39	8	34	29.90	29.98
16	FEW	070			10.00		71	45	57	39	13	32	29.83	29.92	16	BKN	100				-RA	69	63	65	81	0	00	29.91	29.99
19	CLR	NC			10.00		68	44	55	42	8	31	29.86	29.95	19	SCT	120					69	66	67	90	6	31	29.93	30.02
22	CLR	NC			10.00		61	48	54	63	0	00	29.93	30.01	22	BKN	110					69	65	66	87	0	00	29.96	30.04

# OBSERVATIONS AT 3-HOURLY INTERVALS

# WILMINGTON, DE JUNE 2007 KILG

WBAN # 13781

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)					
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)				STATION	SEA LEVEL		DRY BULB	DEW POINT	WET BULB		RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL			
																									Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)
<b>SUNRISE: 0434</b>						<b>JUN 13</b>						<b>SUNSET: 1930</b>															
01	FEW	110				67	66	66	97	0	00	29.94	30.02	01	CLR	NC				69	64	66	84	5	12	29.98	30.06
04	BKN	006				64	63	63	97	3	35	29.93	30.01	04	CLR	NC				67	63	65	87	7	08	29.96	30.03
07	CLR	NC				70	65	67	84	3	04	29.96	30.04	07	CLR	NC				70	64	66	81	0	00	29.98	30.06
10	BKN	029				76	64	68	67	8	08	29.96	30.05	10	CLR	NC				80	70	73	72	6	14	29.94	30.03
13	FEW	041			10.00	75	63	67	66	13	11	29.93	30.02	13	CLR	NC				87	69	75	55	14	15	29.91	29.98
16	OVC	018			10.00	65	56	60	73	15	10	29.96	30.04	16	CLR	NC				86	65	72	50	15	15	29.83	29.92
19	OVC	047			10.00	65	53	58	65	8	10	29.98	30.07	19	CLR	NC				79	70	73	74	10	16	29.82	29.89
22	OVC	050			10.00	63	54	58	73	8	10	30.02	30.11	22	CLR	NC				75	72	73	90	7	10	29.83	29.91
<b>SUNRISE: 0434</b>						<b>JUN 14</b>						<b>SUNSET: 1931</b>															
01	OVC	026			10.00	59	52	55	78	13	09	30.03	30.11	01	BKN	018				74	70	71	87	6	06	29.82	29.89
04	OVC	025			10.00	58	48	53	70	11	07	30.02	30.11	04	SCT	110				72	70	71	93	0	00	29.77	29.85
07	OVC	040			10.00	58	48	53	70	8	06	30.06	30.14	07	OVC	034				72	70	71	93	9	31	29.83	29.90
10	OVC	037			10.00	64	48	55	56	10	05	30.06	30.15	10	FEW	013				73	64	67	74	13	01	29.85	29.94
13	OVC	039			10.00	62	47	54	58	8	04	30.04	30.13	13	CLR	NC				79	56	65	45	13	35	29.88	29.95
16	OVC	044			10.00	63	48	55	58	5	VR	30.02	30.11	16	CLR	NC				81	52	64	37	16	31	29.85	29.93
19	OVC	049			10.00	62	48	55	60	3	05	30.02	30.11	19	CLR	NC				77	51	62	40	6	31	29.86	29.95
22	OVC	050			10.00	61	51	56	70	3	19	30.01	30.10	22	CLR	NC				69	54	60	59	6	28	29.91	29.99
<b>SUNRISE: 0434</b>						<b>JUN 15</b>						<b>SUNSET: 1931</b>															
01	OVC	055			10.00	58	52	55	81	6	32	30.01	30.10	01	CLR	NC				62	52	56	70	7	32	29.93	30.01
04	OVC	044			10.00	59	52	55	78	3	34	30.01	30.09	04	CLR	NC				58	50	54	75	6	31	29.93	30.02
07	OVC	039			10.00	61	52	56	72	5	31	30.02	30.11	07	CLR	NC				65	52	58	63	7	25	29.96	30.04
10	OVC	055			10.00	69	51	59	53	7	02	30.02	30.11	10	CLR	NC				76	49	61	39	10	30	29.93	30.02
13	BKN	060			10.00	72	52	61	50	0	00	29.99	30.08	13	CLR	NC				82	50	63	33	16	25	29.88	29.96
16	BKN	065			10.00	72	54	62	53	5	14	29.96	30.04	16	SCT	085				84	52	65	33	15	22	29.78	29.86
19	OVC	041			10.00	68	57	62	68	6	22	29.96	30.04	19	CLR	NC				78	55	64	45	16	24	29.75	29.82
22	OVC	090			9.00	65	57	60	75	6	18	29.98	30.05	22	CLR	NC				74	55	63	52	16	27	29.77	29.85
<b>SUNRISE: 0434</b>						<b>JUN 16</b>						<b>SUNSET: 1932</b>															
01	OVC	095			7.00	64	57	60	78	0	00	29.98	30.06	01	CLR	NC				68	57	62	68	9	27	29.78	29.86
04	OVC	055			6.00	63	58	60	84	5	23	29.96	30.04	04	CLR	NC				63	54	58	73	7	28	29.78	29.87
07	FEW	120			9.00	68	56	61	66	8	27	29.98	30.06	07	CLR	NC				68	50	58	53	11	28	29.83	29.92
10	CLR	NC			10.00	74	55	63	52	7	27	29.96	30.05	10	CLR	NC				75	50	61	42	16	32	29.82	29.89
13	SCT	055			10.00	76	55	64	48	0	00	29.93	30.02	13	FEW	070				79	46	60	31	20	29	29.78	29.87
16	SCT	055			10.00	80	56	65	44	10	23	29.88	29.97	16	SCT	080				80	44	60	28	17	34	29.78	29.85
19	CLR	NC			10.00	75	57	64	54	9	23	29.90	29.98	19	CLR	NC				74	42	57	32	10	32	29.78	29.86
22	CLR	NC			10.00	70	58	63	66	9	22	29.91	29.99	22	CLR	NC				68	42	54	39	7	35	29.83	29.92
<b>SUNRISE: 0434</b>						<b>JUN 17</b>						<b>SUNSET: 1932</b>															
01	SCT	100			8.00	67	61	63	81	7	24	29.91	29.98	01	CLR	NC				56	43	50	62	9	36	29.85	29.93
04	CLR	NC			8.00	65	60	62	84	7	27	29.88	29.97	04	CLR	NC				56	43	50	62	5	28	29.86	29.94
07	CLR	NC			9.00	70	60	64	71	7	27	29.91	29.98	07	CLR	NC				63	45	54	52	8	29	29.91	30.00
10	CLR	NC			10.00	83	58	67	43	13	29	29.91	29.98	10	CLR	NC				71	41	55	34	8	35	29.91	29.99
13	CLR	NC			10.00	87	56	68	35	15	30	29.88	29.95	13	CLR	NC				76	42	58	30	10	32	29.86	29.95
16	CLR	NC			10.00	88	59	70	38	10	27	29.83	29.92	16	CLR	NC				78	41	58	27	13	30	29.85	29.93
19	CLR	NC			10.00	84	60	69	44	9	22	29.83	29.91	19	CLR	NC				73	43	57	34	8	27	29.85	29.94
22	CLR	NC			10.00	77	61	67	58	7	23	29.85	29.94	22	CLR	NC				67	47	56	49	3	32	29.90	29.98
<b>SUNRISE: 0434</b>						<b>JUN 18</b>						<b>SUNSET: 1932</b>															
01	CLR	NC			8.00	74	64	68	71	7	26	29.86	29.94	01	CLR	NC				61	49	55	65	3	31	29.93	30.02
04	CLR	NC			7.00	70	62	65	76	6	32	29.88	29.96	04	CLR	NC				55	48	51	77	3	32	29.98	30.06
07	CLR	NC			6.00	78	64	69	62	6	35	29.93	30.01	07	CLR	NC				66	48	56	52	3	36	30.02	30.11
10	CLR	NC			10.00	84	62	70	48	9	06	29.96	30.03	10	CLR	NC				77	45	59	32	7	02	30.04	30.13
13	FEW	050			9.00	88	63	72	43	9	10	29.94	30.02	13	CLR	NC				81	48	62	32	7	VR	30.03	30.11
16	CLR	NC			10.00	80	64	70	58	20	16	29.93	30.00	16	CLR	NC				82	48	62	31	8	21	30.01	30.09
19	CLR	NC			10.00	75	64	68	69	16	16	29.94	30.02	19	CLR	NC				76	55	64	48	14	15	30.02	30.11
22	CLR	NC			10.00	70	64	66	81	9	13	29.96	30.05	22	CLR	NC				69	61	64	76	8	15	30.06	30.15

# OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE  
JUNE 2007  
KILG

WBAN # 13781

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)			
			Observation Time (LST)	Eff Cl'd Amt Oktas		DRY BULB	DEW POINT	WET BULB		RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL	
<b>SUNRISE: 0436      JUN 25      SUNSET: 1934</b>													
01	CLR	NC				70	64	66	81	0	00	30.09	30.17
04	OVC	050			-RA	72	64	67	76	6	13	30.09	30.18
07	OVC	031			-RA BR	67	65	66	93	11	14	30.14	30.23
10	OVC	025				71	64	67	79	8	17	30.15	30.23
13	BKN	026				79	69	72	72	6	22	30.14	30.22
16	FEW	035				82	71	75	69	10	14	30.09	30.18
19	CLR	NC				80	71	74	74	5	19	30.10	30.18
22	CLR	NC				76	71	73	85	5	14	30.14	30.22
<b>SUNRISE: 0436      JUN 26      SUNSET: 1934</b>													
01	CLR	NC				74	70	71	87	3	17	30.14	30.22
04	CLR	NC			BR	73	70	71	90	5	18	30.14	30.23
07	CLR	NC			BR	75	72	73	90	5	21	30.17	30.26
10	CLR	NC			HZ	84	72	76	67	0	00	30.17	30.25
13	CLR	NC				89	69	75	52	10	18	30.14	30.23
16	CLR	NC				89	70	76	54	11	15	30.10	30.18
19	CLR	NC			HZ	83	72	75	70	8	13	30.09	30.17
22	CLR	NC			HZ	78	73	75	85	7	17	30.10	30.19
<b>SUNRISE: 0437      JUN 27      SUNSET: 1934</b>													
01	CLR	NC				76	70	72	82	5	18	30.07	30.16
04	CLR	NC			BR	74	70	71	87	3	17	30.06	30.13
07	CLR	NC			HZ	78	72	74	82	5	21	30.06	30.14
10	CLR	NC				89	74	78	61	7	VR	30.03	30.11
13	FEW	045				93	71	78	49	13	18	29.98	30.06
16	FEW	055			HZ	88	73	77	61	13	17	29.93	30.01
19	FEW	110			HZ	87	72	77	61	8	21	29.91	29.99
22	BKN	090			VCTS	76	68	71	76	13	28	29.96	30.04
<b>SUNRISE: 0437      JUN 28      SUNSET: 1934</b>													
01	CLR	NC				73	70	71	90	6	15	29.93	30.01
04	CLR	NC			BR	70	69	69	97	3	31	29.90	29.98
07	CLR	NC			HZ	76	70	72	82	5	22	29.90	29.98
10	CLR	NC				86	68	74	55	11	30	29.91	29.98
13	FEW	041				88	68	74	52	14	28	29.88	29.95
16	CLR	NC				85	70	75	61	10	19	29.82	29.90
19	CLR	NC				83	71	75	67	7	23	29.82	29.89
22	SCT	120				73	70	71	90	5	03	29.86	29.94
<b>SUNRISE: 0437      JUN 29      SUNSET: 1934</b>													
01	CLR	NC				72	70	71	93	5	29	29.85	29.93
04	OVC	110				73	69	70	87	0	00	29.86	29.94
07	OVC	100			-RA	72	67	69	84	6	33	29.91	30.00
10	CLR	NC				71	63	66	76	0	00	29.96	30.04
13	BKN	060				74	63	67	69	0	00	29.94	30.03
16	OVC	050				74	64	68	71	3	17	29.91	30.00
19	FEW	095				73	65	68	76	3	22	29.91	30.00
22	CLR	NC				69	65	66	87	0	00	29.94	30.02
<b>SUNRISE: 0438      JUN 30      SUNSET: 1934</b>													
01	OVC	027				69	65	66	87	0	00	29.93	30.02
04	OVC	100			BR	69	66	67	90	3	36	29.91	29.99
07	BKN	060				71	57	63	61	7	04	29.93	30.01
10	BKN	055				76	49	61	39	8	05	29.94	30.03
13	FEW	055				80	51	63	37	9	10	29.91	30.00
16	CLR	NC				80	54	64	41	9	17	29.88	29.96
19	FEW	060				75	57	64	54	6	18	29.88	29.95
22	CLR	NC				69	56	61	63	7	20	29.90	29.98

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)			
			Observation Time (LST)	Eff Cl'd Amt Oktas		DRY BULB	DEW POINT	WET BULB		RELATIVE HUMIDITY (PCT)	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, W = 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.

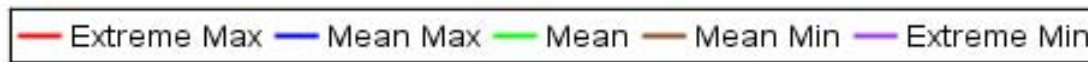
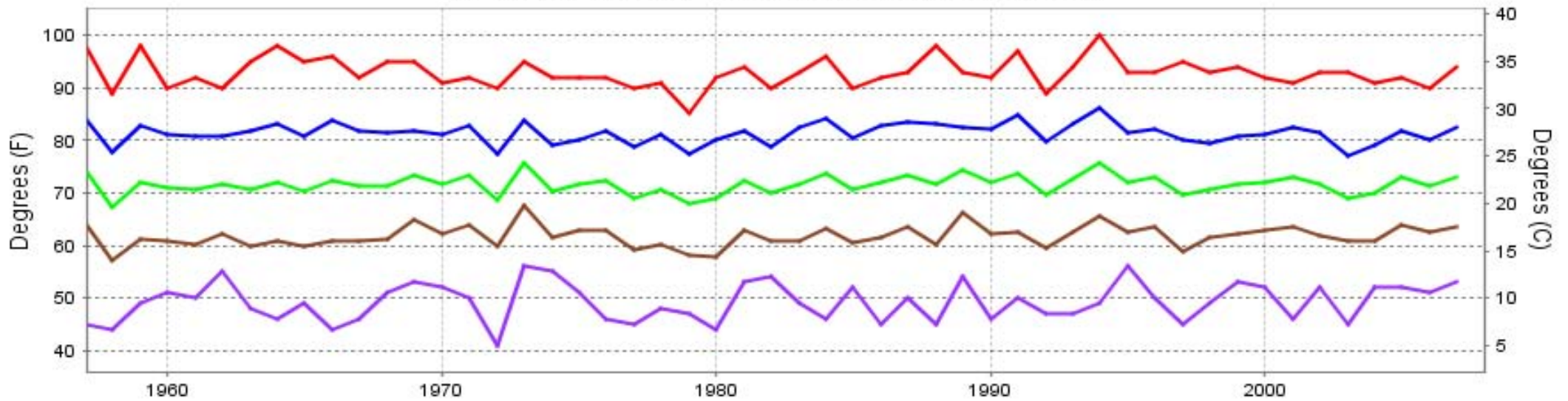
& = Original observation contained additional weather elements.

See page 3 for additional notes.

**SUMMARY BY HOUR**

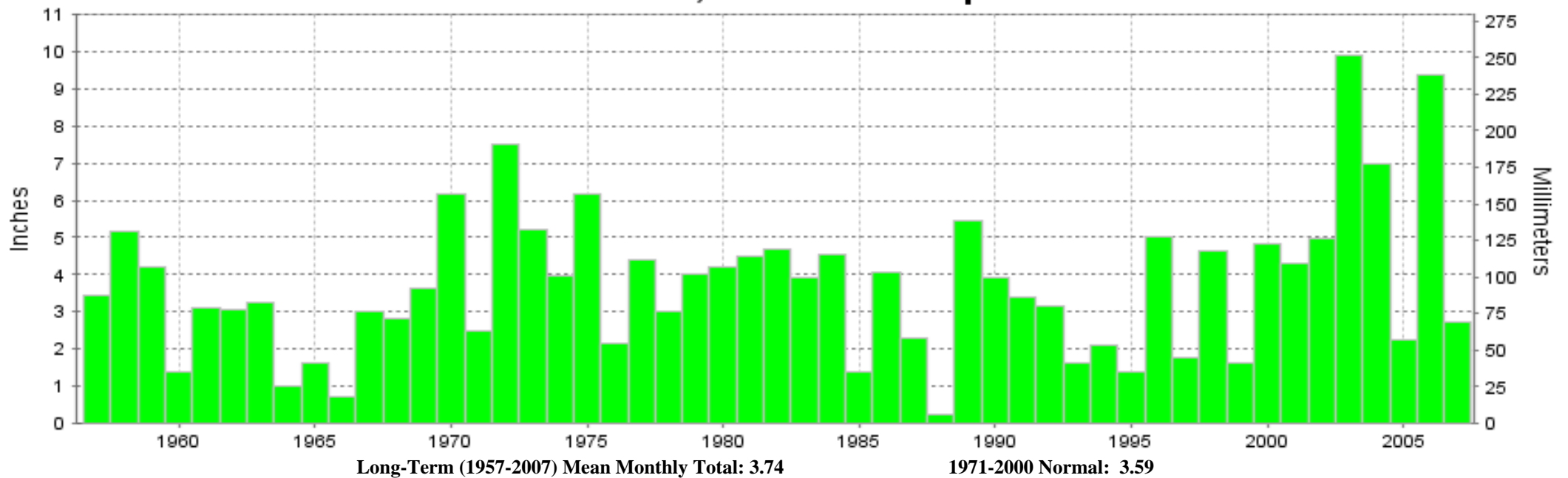
HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			68	61	64	79	29.89	29.97	8.46	5	1	20
02			67	61	63	81	29.88	29.97	8.21	5	1	22
03			66	61	63	82	29.88	29.96	8.27	5	1	24
04			66	60	63	83	29.88	29.96	8.04	5	1	24
05			66	60	63	82	29.89	29.97	7.51	5	2	25
06			67	61	63	81	29.90	29.98	7.50	5	2	24
07			69	60	64	74	29.91	29.99	8.29	6	2	25
08			72	60	65	67	29.92	30.00	8.89	7	2	25
09			74	60	65	63	29.91	29.99	8.76	8	2	25
10			76	59	66	58	29.91	29.99	9.46	8	1	24
11			78	59	66	54	29.91	29.99	9.43	9	2	25
12			79	59	67	52	29.90	29.98	9.36	9	2	25
13			80	59	67	50	29.88	29.97	9.34	10	2	25
14			81	59	67	49	29.88	29.96	9.07	11	3	26
15			80	59	67	52	29.86	29.94	9.31	12	1	24
16			79	59	67	52	29.85	29.94	9.31	11	1	22
17			79	59	67	54	29.85	29.93	9.14	11	2	25
18			77	60	66	56	29.85	29.93	8.98	10	2	25
19			76	60	66	60	29.86	29.94	8.90	8	1	24
20			73	60	66	66	29.86	29.95	9.03	7	1	22
21			72	60	65	68	29.88	29.96	9.21	7	1	22
22			71	61	65	72	29.88	29.97	9.03	7	1	17
23			69	61	64	75	29.89	29.97	8.61	5	1	19
24			68	61	64	79	29.89	29.97	8.54	6	1	24

## WILMINGTON, DE JUNE Temperatures



Long-Term (1957-2007) Mean: 71.6  
 1971-2000 Normal: 71.5

## WILMINGTON, DE JUNE Precipitation



Long-Term (1957-2007) Mean Monthly Total: 3.74

1971-2000 Normal: 3.59



**JUNE 2007  
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.*

*Thomas R. Karl*  
**DIRECTOR**

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