



MARCH 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	Temperature °F						Deg Days BASE 65°		WEATHER	SNOW/ICE ON GND(IN)		PRECIPITATION ON GND(IN)		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	48	29	39	1	30	36	26	0	RA BR HZ	0		0.0	0.13	30.01	30.07	5.5	10	8.1	22	06	18	04	01	
02	62	37	50	12	35	45	15	0	RA BR	0		0.0	1.33	29.45	29.52	4.6	21	12.5	41	27	33	28	02	
03	59	28	44	5	27	36	21	0		0		0.0	0.00	29.57	29.66	7.4	30	8.7	38	31	32	31	03	
04	40	32	36	-3	17	29	29	0	SN	0		T	T	29.75	29.85	15.0	28	15.2	36	28	29	26	04	
05	45	24	35	-4	13	28	30	0		0		0.0	0.00	29.81	29.92	17.2	27	19.3	46	28	38	28	05	
06	28	18	23	-16	-5	16	42	0		0		0.0	0.00	30.24	30.37	17.5	31	18.2	49*	30	40*	29	06	
07	25	17	21*	-19	11	18	44	0	SN BR HZ	T		1.3	0.10	30.22	30.30	2.9	05	4.9	14	04	13	04	07	
08	33	13*	23	-17	12	20	42	0	BR HZ	1		0.0	0.00	30.20	30.31	7.5	30	8.8	25	29	22	29	08	
09	37	19	28	-12	11	24	37	0		0		0.0	0.00	30.39	30.47	4.1	12	7.2	17	15	14	14	09	
10	63	26	45	4	35	40	20	0	RA BR HZ	0		0.0	0.01	30.16	30.22	4.7	17	6.7	25	19	20	20	10	
11	54	33	44	3	30	40	21	0	RA HZ	0		0.0	0.02	30.14	30.25	10.7	32	11.4	31	29	25	30	11	
12	57	28	43	2	26	36	22	0	HZ	0		0.0	0.00	30.23	30.30	4.2	16	6.1	17	15	15	14	12	
13	62	36	49	7	37	43	16	0		0		0.0	0.00	30.08	30.15	5.4	16	5.5	16	17	14	17	13	
14	76	45	61	19	45	52	4	0	RA HZ	0		0.0	T	29.90		4.8	17	5.6	20	22	16	22	14	
15	74	40	57	15	44	48	8	0	RA BR HZ	0		0.0	0.39	29.90		6.3	36	10.6	32	36	28	01	15	
16	40	28	34	-9	31	33	31	0	RA FZRA SN PL BR UP	0		2.4	2.10	29.93	29.97	15.9	03	17.4	40	04	33	05	16	
17	34	27	31	-12	20	27	34	0	SN PL BR	2		0.1	T	29.67	29.77	16.7	30	17.3	32	29	28	29	17	
18	39	27	33	-10	11	27	32	0		1		0.0	0.00	29.96	30.10	14.7	28	15.1	38	30	29	27	18	
19	52	25	39	-5	21	33	26	0	RA	1		0.0	T	30.22	30.28	9.4	19	10.2	28	19	22	17	19	
20	55	34	45	1	25	39	20	0		0		0.0	0.00	30.22	30.37	9.9	32	13.2	32	30	28	29	20	
21	45	28	37	-7	20	32	28	0		0		0.0	0.00	30.59	30.67	4.1	11	9.2	20	16	16	16	21	
22	71	41	56	11	46	51	9	0	RA BR	0		0.0	0.20	30.21	30.25	9.2	20	10.2	28	19	23	21	22	
23	71	53	62	17	53	55	3	0	RA BR HZ	0		0.0	0.26	30.06	30.16	3.1	36	6.6	17	34	14	01	23	
24	54	48	51	6	40	46	14	0	RA BR	0		0.0	0.07	30.19	30.27	2.3	08	5.6	13	35	12	35	24	
25	57	40	49	3	39	44	16	0	BR	0		0.0	0.00	30.30	30.42	3.0	07	13.2	26	02	23	01	25	
26	56	38	47	1	41	44	18	0		0		0.0	0.00	30.27	30.31	7.6	18	8.2	18	16	17	15	26	
27	83*	49	66*	20	51	58	0	1		0		0.0	0.00	29.93	30.02	7.6	29	8.9	29	29	23	29	27	
28	70	47	59	12	34	48	6	0		0		0.0	0.00	30.11	30.23	10.6	36	11.3	25	01	20	01	28	
29	61	39	50	3	11	36	15	0	HZ	0		0.0	0.00	30.33	30.42	12.7	35	12.9	29	33	22	35	29	
30	65	33	49	1	19	39	16	0		0		0.0	0.00	30.24	30.31	4.1	27	5.8	17	28	15	24	30	
31	60	43	52	4	28	41	13	0		0		0.0	0.00	30.12	30.22	5.4	10	9.1	22	17	20	15	31	
54.1			33.1	43.6	M	27.7	37.5	21.2	0.0	< MONTHLY AVERAGES TOTALS >			3.8	4.61	30.14	30.24	3.1	30	10.4	< MONTHLY AVERAGES				
2.2			-0.3	0.9		<----- DEPARTURE FROM NORMAL ----->								0.64	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS									GREATEST 24-HR PRECIPITATION : 2.19 DATE : 15-16					SEA LEVEL PRESSURE					DATE TIME					
MONTHLY									GREATEST 24-HR SNOWFALL : 2.4 DATE : 16					MAXIMUM : 30.76					21 0746					
TOTAL DEPARTURE									GREATEST SNOW DEPTH : 2 DATE : 17					MINIMUM : 29.34					02 0951					
SEASON TO DATE									NUMBER OF ->					MAXIMUM TEMP >= 90 : 0					PRECIPITATION >= 0.01 INCH: 10					
HEATING : 658 -29 4049 -316									MAXIMUM TEMP <= 32 : 2					MINIMUM TEMP <= 0 : 0					PRECIPITATION >= 0.10 INCH: 7					
COOLING : 1 -1 1 -1									THUNDERSTORMS : 0					HEAVY FOG : 0					SNOWFALL >= 1.0 INCH : 2					

MARCH 2007
WILMINGTON, DE

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE (KILG)
MARCH 2007

WBAN # 13781

Date	FOR HOUR (LST) ENDING AT												Date	FOR HOUR (LST) ENDING AT												Date	Sum of Hourly Data	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	0.14	0.08	0.18	0.16	0.29	0.24	0.08	T	0.12	0.02	0.02		01									0.06	0.05	0.02	T	01	0.13	0.13	
02													02													1.33	1.33		
03													03													0.00	0.00		
04													04													T	T		
05													05													0.00	0.00		
06					T	0.01	0.01	T		0.01	0.01	0.01	06	0.02	0.01	0.01	0.01										06	0.00	0.00
07													07														0.10	0.10	
08													08														0.00	0.00	
09													09														0.00	0.00	
10													10														0.01	0.01	
11	0.01	0.01	T										11														11	0.02	0.02
12													12														0.00	0.00	
13													13														0.00	0.00	
14													14														T	T	
15													15														0.39	0.39	
16	0.07	0.13	0.07	0.05	0.03	0.01	0.06	0.12	0.14	0.10	0.06	0.09	16	0.12	0.16	0.15	0.18	0.16	0.15	0.05	0.06	0.09	0.05	T	T	16	2.10	2.10	
17													17													T	T		
18													18													0.00	0.00		
19													19													T	T		
20													20													0.00	0.00		
21												T	21							T	0.03	0.05	0.03	0.07	0.02	21	0.00	0.00	
22													22													0.20	0.20		
23													23													0.26	0.26		
24													24													0.07	0.07		
25													25													0.00	0.00		
26													26														26	0.00	0.00
27													27														0.00	0.00	
28													28														0.00	0.00	
29													29														0.00	0.00	
30													30														0.00	0.00	
31	T	T	0.03	0.01	T	0.02	T	0.01	T			T	31	T	T	0.01	0.03	0.03	0.03	0.13	0.03	T	T			31	0.00	0.00	
22													22													0.20	0.20		
23													23													0.26	0.26		
24													24													0.07	0.07		
25													25													0.00	0.00		
26													26														26	0.00	0.00
27													27														0.00	0.00	
28													28														0.00	0.00	
29													29														0.00	0.00	
30													30														0.00	0.00	
31													31														31	0.00	0.00
22													22														0.20	0.20	
23													23														0.26	0.26	
24													24														0.07	0.07	
25													25														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)												
Ending Date												
Ending Time (Hr/Min)												

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 MARCH 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 C00P
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							4.00	10.00	
02							1.25	10.00	
03							10.00	10.00	
04							7.00	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							0.75	10.00	
08							4.00	10.00	
09							10.00	10.00	
10							6.00	10.00	
11							6.00	10.00	
12							5.00	10.00	
13							7.00	10.00	
14							4.00	10.00	
15							4.00	10.00	
16							0.75	10.00	
17							2.00	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							7.00	10.00	
21							10.00	10.00	
22							5.00	10.00	
23							2.00	10.00	
24							4.00	10.00	
25							4.00	10.00	
26							9.00	10.00	
27							10.00	10.00	
28							10.00	10.00	
29							10.00	10.00	
30							10.00	10.00	
31							10.00	10.00	
MONTHLY AVGS							6.54	10.00	
SUNSHINE (Minutes)									
Total : 0 Possible : 22266									
Percent Possible : 0									
NUMBER OF DAYS WITH :									
SKY CONDITION									
Clear Partly CLDY Cloudy Missing									
MINIMUM VISIBILITY (MILES)									
<= .25 <= 3.0 >= 7.0									
0 5 16									

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE
MARCH 2007 KILG

WBAN # 13781

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
			Observation Time (LST)	Eff Cld Amt Oktas		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0636 MAR 01 SUNSET: 1754													
01	CLR	NC			6.00	HZ	32	26	30	79	0 00	30.07	30.16
04	BKN	120			6.00	HZ	33	26	30	75	0 00	30.09	30.18
07	CLR	NC			4.00	HZ	31	26	29	82	5 03	30.09	30.18
10	CLR	NC			10.00		41	27	36	58	9 12	30.09	30.18
13	CLR	NC			10.00		47	31	40	54	11 17	29.99	30.08
16	CLR	NC			10.00		45	35	41	68	11 15	29.96	30.04
19	OVC	032			10.00		44	30	38	58	14 09	29.88	29.97
22	OVC	018			9.00	-RA	40	36	38	86	13 05	29.78	29.87
SUNRISE: 0634 MAR 02 SUNSET: 1755													
01	OVC	004			1.50	+RA BR	43	41	42	93	8 07	29.64	29.72
04	OVC	019			2.50	RA BR	53	52	52	96	22 14	29.41	29.50
07	OVC	001			2.50	RA BR	49	49	49	100	17 16	29.28	29.37
10	OVC	011			10.00		59	58	58	97	14 22	29.27	29.34
13	CLR	NC			10.00		59	41	50	51	17 28	29.39	29.47
16	CLR	NC			10.00		61	15	43	16	15 28	29.44	29.52
19	CLR	NC			10.00		55	9	39	16	3 22	29.52	29.60
22	CLR	NC			10.00		43	22	35	43	3 15	29.59	29.68
SUNRISE: 0633 MAR 03 SUNSET: 1756													
01	CLR	NC			10.00		36	27	33	70	3 36	29.61	29.69
04	CLR	NC			10.00		33	23	29	67	0 00	29.61	29.68
07	CLR	NC			10.00		32	23	29	69	0 00	29.62	29.70
10	CLR	NC			10.00		50	27	40	41	9 23	29.57	29.66
13	CLR	NC			10.00		59	26	45	28	15 24	29.49	29.57
16	CLR	NC			10.00		49	29	41	46	10 30	29.52	29.60
19	BKN	110			10.00		46	31	40	56	10 31	29.57	29.65
22	BKN	095			10.00		42	27	36	55	10 28	29.64	29.72
SUNRISE: 0631 MAR 04 SUNSET: 1757													
01	CLR	NC			10.00		38	19	31	46	11 29	29.67	29.76
04	CLR	NC			10.00		33	19	28	56	7 26	29.69	29.77
07	OVC	038			7.00	-SN	34	23	30	64	15 27	29.75	29.84
10	BKN	047			10.00		38	18	31	44	18 28	29.77	29.85
13	BKN	065			10.00		37	17	30	44	17 29	29.75	29.83
16	BKN	050			10.00		37	15	30	41	22 27	29.75	29.84
19	BKN	060			10.00		35	16	29	46	20 28	29.82	29.90
22	BKN	055			10.00		34	17	28	50	15 28	29.85	29.94
SUNRISE: 0630 MAR 05 SUNSET: 1758													
01	SCT	050			10.00		32	15	27	49	9 27	29.86	29.95
04	CLR	NC			10.00		29	16	25	58	9 23	29.83	29.92
07	CLR	NC			10.00		30	16	26	56	10 22	29.80	29.89
10	CLR	NC			10.00		38	17	31	43	17 25	29.80	29.90
13	BKN	060			10.00		44	16	34	32	23 27	29.75	29.84
16	SCT	070			10.00		42	12	32	29	29 27	29.75	29.84
19	CLR	NC			10.00		37	14	29	39	22 29	29.83	29.92
22	CLR	NC			10.00		30	2	23	30	28 30	29.96	30.06
SUNRISE: 0628 MAR 06 SUNSET: 1760													
01	CLR	NC			10.00		23	-0	18	36	20 30	30.06	30.14
04	CLR	NC			10.00		20	-3	15	36	30 30	30.14	30.22
07	CLR	NC			10.00		18	-6	13	34	24 30	30.23	30.32
10	CLR	NC			10.00		22	-11	16	22	28 33	30.32	30.42
13	CLR	NC			10.00		27	-7	20	22	18 32	30.32	30.41
16	CLR	NC			10.00		28	-8	20	20	16 31	30.33	30.42
19	CLR	NC			10.00		23	-5	17	29	13 30	30.37	30.46
22	CLR	NC			10.00		20	-2	15	38	7 01	30.38	30.47
SUNRISE: 0627 MAR 07 SUNSET: 1801													
01	OVC	080			10.00		21	-6	15	30	11 04	30.35	30.43
04	OVC	040			10.00		21	-3	16	34	6 11	30.32	30.41
07	OVC	012			1.25	-SN	18	13	17	81	6 10	30.30	30.39
10	BKN	018			2.50	-SN	19	14	18	81	6 10	30.23	30.32
13	VV	009			0.75	-SN	21	16	20	81	8 06	30.14	30.23
16	BKN	080			9.00		24	16	22	71	7 03	30.09	30.18
19	CLR	NC			10.00		22	15	20	74	7 30	30.12	30.22
22	CLR	NC			7.00		19	14	18	81	3 31	30.16	30.25
SUNRISE: 0625 MAR 08 SUNSET: 1802													
01	CLR	NC			5.00	BR	16	12	15	84	0 00	30.16	30.25
04	CLR	NC			5.00	BR	13	9	12	84	7 25	30.17	30.27
07	CLR	NC			4.00	HZ	13	8	12	80	6 27	30.20	30.29
10	CLR	NC			10.00		25	9	21	51	9 31	30.22	30.30
13	CLR	NC			10.00		30	12	25	47	14 31	30.19	30.27
16	CLR	NC			10.00		33	15	27	48	18 30	30.19	30.27
19	CLR	NC			10.00		28	13	24	53	7 29	30.25	30.35
22	CLR	NC			10.00		28	13	24	53	10 02	30.31	30.40
SUNRISE: 0624 MAR 09 SUNSET: 1803													
01	CLR	NC			10.00		25	9	21	51	7 02	30.37	30.46
04	CLR	NC			10.00		21	5	17	50	7 02	30.40	30.49
07	CLR	NC			10.00		20	4	16	50	6 06	30.43	30.52
10	CLR	NC			10.00		27	-2	20	28	0 00	30.47	30.56
13	CLR	NC			10.00		34	11	27	38	9 16	30.41	30.50
16	CLR	NC			10.00		37	14	30	39	10 16	30.35	30.44
19	CLR	NC			10.00		33	21	29	61	9 16	30.35	30.43
22	CLR	NC			10.00		31	21	28	66	8 14	30.32	30.41
SUNRISE: 0622 MAR 10 SUNSET: 1804													
01	CLR	NC			10.00		30	23	28	75	5 08	30.28	30.37
04	CLR	NC			10.00		29	24	27	82	0 00	30.24	30.33
07	BKN	100			7.00		30	26	29	85	0 00	30.23	30.32
10	OVC	006			7.00		39	35	37	86	7 15	30.20	30.29
13	CLR	NC			10.00		56	42	49	60	6 17	30.09	30.18
16	CLR	NC			10.00		62	43	52	50	18 19	30.02	30.11
19	CLR	NC			10.00		50	40	45	69	10 15	30.03	30.12
22	OVC	090			10.00	-RA	48	41	45	77	6 15	30.04	30.13
SUNRISE: 0621 MAR 11 SUNSET: 1805													
01	OVC	080			10.00	-RA	48	44	46	86	6 24	30.04	30.13
04	OVC	110			6.00	HZ	46	41	44	83	8 31	30.06	30.15
07	CLR	NC			10.00		42	32	38	68	11 31	30.14	30.22
10	CLR	NC			10.00		50	26	40	39	16 32	30.17	30.26
13	CLR	NC			10.00		54	28	43	37	13 33	30.16	30.24
16	CLR	NC			10.00		52	28	42	40	16 33	30.19	30.27
19	CLR	NC			10.00		43	25	36	49	8 34	30.22	30.31
22	CLR	NC			10.00		39	23	33	53	7 34	30.28	30.36
SUNRISE: 0619 MAR 12 SUNSET: 1806													
01	CLR	NC			10.00		36	22	31	57	6 29	30.28	30.37
04	CLR	NC			10.00		31	22	28	69	0 00	30.25	30.33
07	CLR	NC			5.00	HZ	30	23	28	75	0 00	30.27	30.36
10	CLR	NC			10.00		50	23	39	35	3 VR	30.28	30.37
13	CLR	NC			10.00		55	23	42	29	9 15	30.22	30.30
16	CLR	NC			10.00		54	27	43	35	13 14	30.14	30.23
19	CLR	NC			10.00		44	30	38	58	10 16	30.17	30.26
22	OVC	110			10.00		41	34	38	76	6 17	30.15	30.24

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE
MARCH 2007 KILG

WBAN # 13781

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 Oktas			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0617 MAR 13 SUNSET: 1807														
01	CLR	NC			9.00		40	34	37	79	5	16	30.14	30.23
04	CLR	NC			10.00		38	32	36	79	3	17	30.14	30.22
07	SCT	095			10.00		37	33	35	86	5	19	30.12	30.21
10	OVC	085			10.00		44	35	40	71	6	15	30.11	30.20
13	FEW	100			9.00		56	39	48	53	9	15	30.06	30.14
16	CLR	NC			10.00		62	41	51	46	10	17	29.99	30.08
19	CLR	NC			10.00		55	40	48	57	8	16	29.99	30.08
22	CLR	NC			9.00		48	39	44	71	0	00	30.02	30.11
SUNRISE: 0616 MAR 14 SUNSET: 1808														
01	CLR	NC			6.00	HZ	46	40	43	80	3	15	30.01	30.08
04	BKN	090			6.00	HZ	47	42	45	83	3	16	29.98	30.06
07	CLR	NC			4.00	HZ	46	41	44	83	0	00	29.98	30.06
10	CLR	NC			7.00		59	46	52	62	5	15	29.96	
13	CLR	NC			10.00		72	48	59	43	11	16	29.86	29.95
16	OVC	090			10.00		68	46	56	45	7	15	29.78	
19	CLR	NC			10.00		70	48	58	46	9	23	29.83	29.92
22	CLR	NC			10.00		63	48	55	58	6	19	29.85	
SUNRISE: 0614 MAR 15 SUNSET: 1809														
01	FEW	090			10.00		56	49	52	78	6	13	29.80	29.88
04	CLR	NC			5.00	HZ	52	47	49	83	5	21	29.78	29.86
07	BKN	095			4.00	HZ	53	47	50	80	0	00	29.80	29.88
10	FEW	090			8.00		66	50	57	57	13	21	29.82	29.89
13	FEW	065			10.00	-RA	57	48	52	72	23	36	29.85	
16	BKN	035			10.00		49	38	44	66	14	35	29.93	
19	OVC	080			9.00	-RA	42	37	40	83	17	01	30.03	
22	OVC	038			6.00	RA BR	40	37	39	89	15	02	30.10	
SUNRISE: 0613 MAR 16 SUNSET: 1810														
01	OVC	010			6.00	RA BR	40	37	39	89	13	02	30.09	30.16
04	OVC	011			7.00	-RA	39	36	38	89	13	03	30.04	30.13
07	OVC	018			7.00	-RA	37	33	35	86	20	05	30.06	30.14
10	OVC	018			5.00	RA BR	35	32	34	89	22	05	30.01	30.09
13	OVC	016			2.50	RA BR	34	32	33	92	18	04	29.91	29.99
16	OVC	019			1.25	FZRA BR	32	29	31	89	25	05	29.75	29.83
19	OVC	022			6.00	UP BR	30	26	29	85	21	02	29.72	29.80
22	OVC	055			10.00	PL BR	29	24	27	82	17	36	29.64	29.72
SUNRISE: 0611 MAR 17 SUNSET: 1811														
01	OVC	025			10.00	PL BR	28	22	26	78	16	33	29.62	29.71
04	OVC	028			10.00	PL BR	28	22	26	78	17	32	29.59	29.68
07	OVC	047			10.00	PL BR	28	19	25	69	15	30	29.64	29.72
10	BKN	027			10.00		31	19	27	61	24	30	29.67	29.75
13	OVC	037			10.00		33	18	28	54	24	29	29.67	29.75
16	OVC	050			10.00		33	18	28	54	18	30	29.69	29.78
19	OVC	070			10.00		32	20	28	61	13	29	29.77	29.85
22	OVC	070			10.00		31	23	28	72	15	30	29.82	29.90
SUNRISE: 0610 MAR 18 SUNSET: 1812														
01	CLR	NC			10.00		31	13	25	47	13	27	29.85	29.93
04	CLR	NC			10.00		29	13	24	51	15	27	29.88	29.96
07	CLR	NC			10.00		27	11	22	51	10	26	29.93	30.03
10	CLR	NC			10.00		33	11	26	40	17	29	29.98	30.06
13	CLR	NC			10.00		37	9	28	31	21	30	29.99	30.08
16	CLR	NC			10.00		39	11	30	31	20	28	30.02	30.11
19	CLR	NC			10.00		37	12	29	36	13	28	30.10	30.19
22	CLR	NC			10.00		34	14	28	44	7	26	30.19	30.29
SUNRISE: 0608 MAR 19 SUNSET: 1813														
01	CLR	NC			10.00		30	14	25	51	7	24	30.24	30.33
04	CLR	NC			10.00		29	14	24	53	3	24	30.28	30.37
07	CLR	NC			10.00		27	16	24	63	0	00	30.33	30.42
10	CLR	NC			10.00		39	16	31	39	13	19	30.35	30.43
13	CLR	NC			10.00		45	20	36	37	15	18	30.22	30.31
16	OVC	090			10.00		48	23	38	37	13	18	30.11	30.20
19	BKN	110			10.00		46	27	38	48	13	17	30.07	30.16
22	OVC	090			10.00		49	30	41	48	16	19	30.01	30.10
SUNRISE: 0606 MAR 20 SUNSET: 1814														
01	OVC	055			10.00		52	33	44	49	11	22	29.98	30.07
04	OVC	046			10.00		49	37	44	63	11	31	30.07	30.16
07	CLR	NC			7.00		45	36	41	71	7	29	30.15	30.24
10	CLR	NC			10.00		54	31	44	42	23	31	30.27	30.34
13	CLR	NC			10.00		54	23	41	30	20	31	30.31	30.40
16	CLR	NC			10.00		53	21	40	29	17	31	30.35	30.44
19	CLR	NC			10.00		43	17	34	35	10	02	30.45	30.54
22	CLR	NC			10.00		39	13	31	34	16	02	30.51	30.60
SUNRISE: 0605 MAR 21 SUNSET: 1815														
01	CLR	NC			10.00		34	8	26	34	11	03	30.58	30.66
04	CLR	NC			10.00		29	10	24	45	13	01	30.61	30.70
07	CLR	NC			10.00		30	11	24	45	8	03	30.66	30.75
10	CLR	NC			10.00		36	12	29	37	6	07	30.66	30.75
13	SCT	055			10.00		44	20	35	38	3	VR	30.61	30.70
16	OVC	045			10.00		43	24	36	47	13	17	30.55	30.64
19	OVC	043			10.00		41	31	37	68	13	15	30.53	30.62
22	OVC	035			10.00		41	33	38	73	9	16	30.48	30.58
SUNRISE: 0603 MAR 22 SUNSET: 1816														
01	OVC	027			10.00		42	36	39	79	6	19	30.42	30.51
04	OVC	014			10.00		42	36	39	79	6	13	30.33	30.42
07	OVC	017			10.00		43	38	41	83	7	15	30.29	30.38
10	OVC	017			10.00		53	43	48	69	8	19	30.23	30.32
13	CLR	NC			10.00		65	50	57	59	18	21	30.10	30.18
16	CLR	NC			10.00		70	50	59	49	20	20	29.99	30.08
19	OVC	090			10.00	-RA	67	52	59	59	9	20	30.02	30.11
22	OVC	090			6.00	-RA BR	59	56	57	90	8	22	30.06	30.14
SUNRISE: 0602 MAR 23 SUNSET: 1817														
01	BKN	065			2.50	BR	57	55	56	93	3	15	30.02	30.11
04	CLR	NC			10.00		56	51	53	83	8	23	30.01	30.08
07	FEW	100			7.00		54	50	52	86	3	25	30.04	30.13
10	FEW	075			9.00		65	54	59	68	7	27	30.06	30.15
13	OVC	048			8.00		64	56	59	75	8	36	30.09	30.16
16	OVC	048			5.00	-RA	60	55	57	84	5	35	30.07	30.16
19	OVC	014			2.50	RA BR	56	54	55	93	11	06	30.14	30.22
22	OVC	029			5.00	BR	53	51	52	93	7	03	30.15	30.24
SUNRISE: 0560 MAR 24 SUNSET: 1818														
01	OVC	024			5.00	BR	53	49	51	86	7	05	30.16	30.25
04	OVC	025			7.00		50	46	48	86	7	03	30.17	30.26
07	OVC	031			10.00	-RA	48	41	45	77	9	05	30.24	30.33
10	OVC	033			10.00		51	39	45					

OBSERVATIONS AT 3-HOURLY INTERVALS

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 Oktas			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0558						MAR 25		SUNSET: 1819						
01	OVC	009			7.00	BR	50	44	47	80	10	30	30.15	30.23
04	CLR	NC			5.00		48	45	47	89	11	33	30.19	30.27
07	FEW	028			10.00		47	37	43	68	17	01	30.29	30.37
10	CLR	NC			10.00		54	37	46	53	17	03	30.36	30.45
13	CLR	NC			10.00		54	38	47	55	14	06	30.38	30.46
16	CLR	NC			10.00		52	41	47	66	20	15	30.36	30.45
19	CLR	NC			10.00		43	37	40	79	14	17	30.40	30.48
22	OVC	010			10.00		42	37	40	83	11	16	30.43	30.52
SUNRISE: 0557						MAR 26		SUNSET: 1820						
01	BKN	013			10.00		40	35	38	82	5	20	30.42	30.51
04	BKN	017			9.00		38	34	36	86	5	20	30.40	30.48
07	SCT	060			10.00		41	36	39	82	8	17	30.38	30.46
10	SCT	017			10.00		46	38	42	74	10	17	30.33	30.42
13	BKN	025			10.00		51	42	47	71	15	15	30.22	30.31
16	CLR	NC			10.00		54	45	49	72	13	16	30.11	30.20
19	CLR	NC			10.00		56	45	50	67	6	20	30.07	30.16
22	BKN	090			10.00		54	47	50	77	3	26	30.03	30.12
SUNRISE: 0555						MAR 27		SUNSET: 1821						
01	CLR	NC			10.00		52	47	49	83	6	23	29.96	30.05
04	CLR	NC			10.00		50	46	48	86	6	27	29.93	30.01
07	CLR	NC			10.00		53	48	50	83	5	27	29.94	30.03
10	CLR	NC			10.00		73	54	62	52	11	29	29.94	30.03
13	CLR	NC			10.00		79	53	64	41	16	29	29.91	30.00
16	SCT	070			10.00		81	54	65	39	14	29	29.88	29.97
19	BKN	085			10.00		75	54	63	48	7	25	29.93	30.01
22	CLR	NC			10.00		67	53	59	61	7	01	29.98	30.06
SUNRISE: 0554						MAR 28		SUNSET: 1822						
01	CLR	NC			10.00		63	44	53	50	5	05	30.01	30.09
04	CLR	NC			10.00		57	45	51	64	7	03	30.04	30.13
07	CLR	NC			10.00		56	47	51	72	7	36	30.10	30.19
10	SCT	090			10.00		63	47	55	56	15	36	30.16	30.24
13	CLR	NC			10.00		67	41	54	39	16	36	30.14	30.22
16	CLR	NC			10.00		67	26	49	21	18	02	30.14	30.23
19	CLR	NC			10.00		58	19	42	22	8	35	30.19	30.28
22	CLR	NC			10.00		51	13	37	22	13	01	30.27	30.36
SUNRISE: 0552						MAR 29		SUNSET: 1823						
01	CLR	NC			10.00		45	16	35	31	10	36	30.32	30.41
04	CLR	NC			10.00		41	12	32	30	15	36	30.33	30.42
07	CLR	NC			10.00		41	11	31	29	17	35	30.39	30.47
10	CLR	NC			10.00		50	10	36	20	16	35	30.41	30.49
13	CLR	NC			10.00		58	10	41	15	17	32	30.35	30.43
16	CLR	NC			10.00		60	8	41	12	17	36	30.28	30.36
19	CLR	NC			10.00		53	9	38	17	7	35	30.29	30.38
22	CLR	NC			10.00		46	12	34	25	8	35	30.35	30.43
SUNRISE: 0550						MAR 30		SUNSET: 1824						
01	CLR	NC			10.00		42	17	33	36	9	36	30.35	30.43
04	CLR	NC			10.00		40	15	32	36	5	31	30.35	30.43
07	CLR	NC			10.00		38	23	33	55	8	30	30.35	30.44
10	CLR	NC			10.00		54	12	39	19	7	25	30.32	30.41
13	CLR	NC			10.00		61	12	43	14	7	23	30.22	30.30
16	CLR	NC			10.00		64	19	45	18	8	22	30.12	30.21
19	CLR	NC			10.00		58	21	43	24	6	23	30.10	30.19
22	CLR	NC			10.00		53	23	41	31	0	00	30.10	30.19

WILMINGTON, DE
MARCH 2007 KILG

WBAN # 13781

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 Oktas			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0549						MAR 31			SUNSET: 1825					
01	CLR	NC			10.00		46	28	39	50	3	32	30.10	30.18
04	CLR	NC			10.00		46	23	37	40	6	03	30.10	30.18
07	CLR	NC			10.00		48	24	39	39	13	05	30.14	30.21
10	OVC	095			10.00		49	25	39	39	13	05	30.19	30.27
13	CLR	NC			10.00		56	26	43	32	0	00	30.14	30.23
16	FEW	110			10.00		54	33	45	45	18	14	30.10	30.19
19	CLR	NC			10.00		49	34	42	56	10	16	30.14	30.23
22	CLR	NC			10.00		46	27	38	48	8	12	30.19	30.27

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.

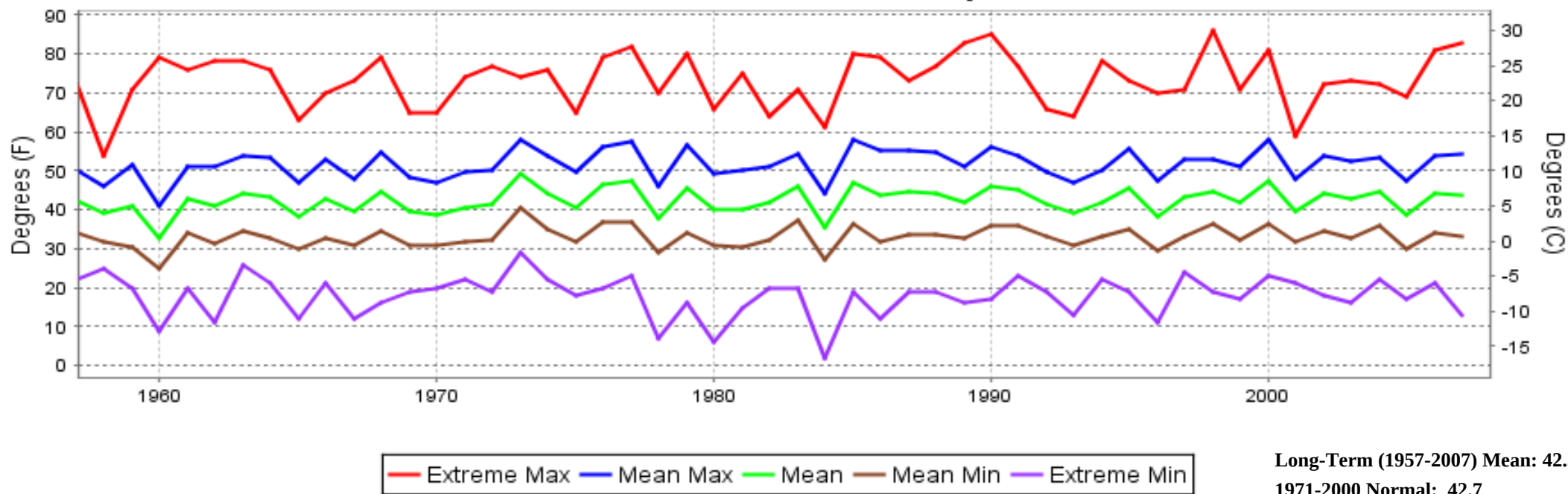
& = Original observation contained additional weather elements.

See page 3 for additional notes.

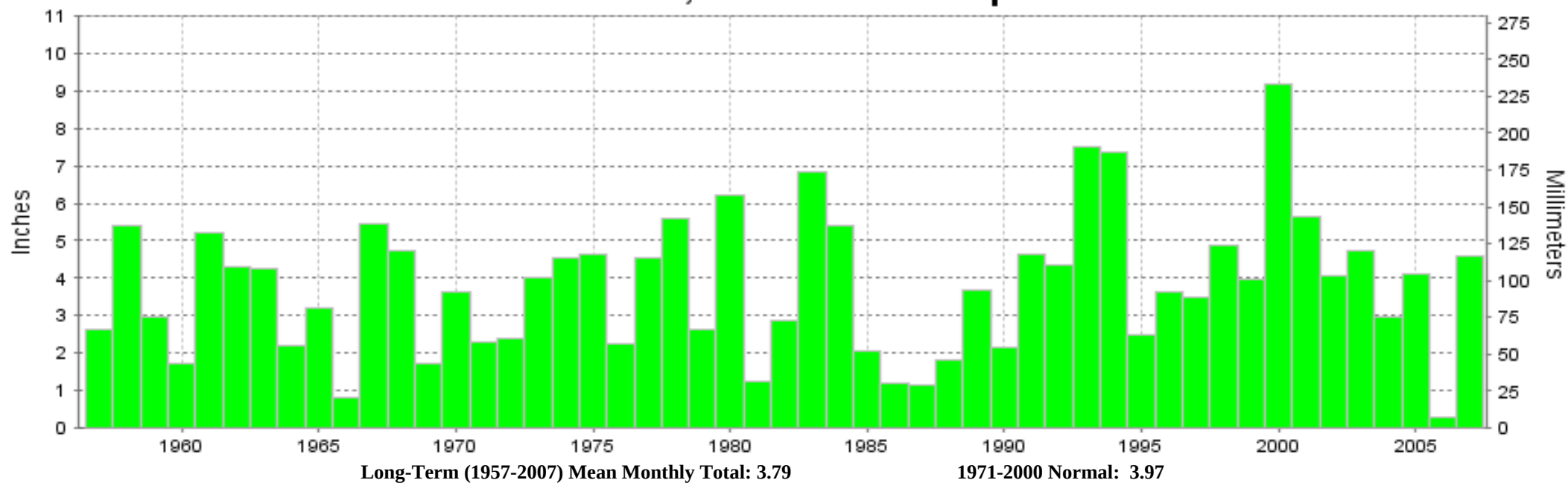
SUMMARY BY HOUR

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			40	28	35	65	30.08	30.17	8.65	8	3	32
02			39	27	35	66	30.08	30.17	8.56	8	4	31
03			38	27	34	67	30.07	30.16	8.76	8	3	32
04			38	27	34	68	30.08	30.16	8.66	8	3	31
05			37	27	34	69	30.08	30.18	8.82	8	3	32
06			37	27	33	70	30.09	30.18	8.80	7	3	32
07			37	27	34	69	30.10	30.19	8.06	8	3	33
08			40	28	35	64	30.11	30.20	8.58	9	3	32
09			43	28	37	59	30.11	30.20	8.60	10	4	31
10			46	27	39	53	30.11	30.20	9.31	12	4	30
11			48	28	40	50	30.10	30.20	9.22	12	5	30
12			50	28	41	46	30.09	30.18	9.39	14	6	29
13			50	28	41	46	30.07	30.16	9.36	14	5	30
14			51	28	41	44	30.05	30.14	9.39	15	6	29
15			51	28	42	45	30.04	30.13	9.32	15	5	29
16			50	28	41	46	30.04	30.14	9.52	15	4	30
17			50	28	41	47	30.04	30.13	9.46	13	4	30
18			48	28	40	50	30.05	30.14	9.25	11	4	31
19			46	28	39	54	30.07	30.15	9.60	11	3	32
20			44	28	38	57	30.08	30.17	9.35	9	3	32
21			43	28	37	59	30.09	30.18	9.13	9	3	33
22			42	28	37	60	30.09	30.19	9.42	9	2	34
23			41	28	36	62	30.09	30.18	9.23	8	3	32
24			41	28	36	63	30.09	30.17	9.16	8	3	31

WILMINGTON, DE MARCH Temperatures



WILMINGTON, DE MARCH Precipitation





MARCH 2007
WILMINGTON, DE

LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

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DIRECTOR

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