



MAY 2010 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						
																			3-SEC		2-MIN				
									DEPTH	WATER- EQUIV	SNOW- FALL	WATER EQUIV			SPEED	DIR	SPEED	DIR	SPEED	DIR					
01	86	56	71	13	58	63	0	6		0		0.0	0.00	29.75	29.83	4.5	17	5.1	15	15	13	15	01		
02	87	66	77	19	67	70	0	12	RA	0		0.0	T	29.76	29.83	6.9	21	8.0	24	19	18	20	02		
03	81	70	76	18	65	69	0	11	RA VCTS	0		0.0	0.08	29.68	29.76	7.5	24	9.4	36	25	26	32	03		
04	82	59	71	13	53	61	0	6		0		0.0	0.00	29.74	29.84	7.1	29	7.5	32	28	24	28	04		
05	78	51	65	6	51	58	0	0		0		0.0	0.00	29.85	29.94	7.1	16	8.3	26	17	22	16	05		
06	80	57	69	10	50	59	0	4	BR	0		0.0	0.00	29.72	29.82	8.8	29	10.7	35	29	24	30	06		
07	72	50	61	2	45	53	4	0		0		0.0	0.00	29.88	29.95	3.6	18	7.9	23	16	20	16	07		
08	78	50	64	4	43	54	1	0		0		0.0	0.00	29.54	29.65	15.2	28	17.2	52*	28	41*	29	08		
09	58	45	52	-8	30	42	13	0		0		0.0	0.00	29.93	30.06	17.7	30	18.0	43	29	31	29	09		
10	62	37	50	-11	27	41	15	0	HZ	0		0.0	0.00	30.19	30.30	9.6	30	10.0	35	28	24	32	10		
11	57	36*	47*	-14	36	43	18	0	RA	0		0.0	0.06	30.32	30.38	4.4	15	7.1	25	24	18	16	11		
12	57	47	52	-9	48	50	13	0	RA BR HZ	0		0.0	0.40	30.03	30.14	6.8	07	8.7	32	16	26	16	12		
13	65	44	55	-6	44	50	10	0		0		0.0	0.00	30.21	30.30	4.0	15	6.8	20	17	15	17	13		
14	84	56	70	8	61	63	0	5	TS TSRA RA BR HZ VCTS	0		0.0	0.79	30.04	30.10	8.0	22	8.9	44	28	32	28	14		
15	74	60	67	4	50	58	0	2		0		0.0	0.00	29.98	30.09	9.6	30	10.3	29	31	24	32	15		
16	73	55	64	1	45	54	1	0		0		0.0	0.00	30.06	30.15	6.0	36	6.9	20	01	15	35	16		
17	68	52	60	-3	48	53	5	0	RA BR	0		0.0	0.12	30.08	30.16	3.9	12	5.6	20	16	16	16	17		
18	53	51	52	-11	49	50	13	0	RA BR	0		0.0	0.56	29.88	29.95	11.3	04	12.6	31	06	26	05	18		
19	67	52	60	-3	50	54	5	0		0		0.0	0.00	29.80	29.90	6.3	30	6.7	17	29	13	29	19		
20	82	53	68	4	51	58	0	3	RA	0		0.0	T	29.90	29.99	2.2	28	5.0	18	10	13	27	20		
21	84	58	71	7	55	62	0	6	RA	0		0.0	T	30.02	30.11	3.5	16	4.2	18	16	14	16	21		
22	75	63	69	4	60	63	0	4	RA	0		0.0	T	30.08	30.16	8.4	14	8.9	22	14	18	13	22		
23	75	63	69	4	63	64	0	4	RA BR	0		0.0	0.15	30.06	30.16	9.5	06	9.7	22	08	18	07	23		
24	76	62	69	4	63	65	0	4	RA DZ BR	0		0.0	0.03	30.14	30.23	8.4	06	8.6	18	06	15	05	24		
25	79	64	72	7	61	65	0	7	BR	0		0.0	0.00	30.11	30.18	3.2	13	5.9	16	16	14	16	25		
26	92*	60	76	10	62	67	0	11		0		0.0	0.00	29.83	29.88	2.7	31	4.3	17	35	13	33	26		
27	85	59	72	6	62	67	0	7	TS TSRA RA VCTS	0		0.0	0.07	29.70	29.81	3.1	12	8.8	25	10	20	06	27		
28	71	58	65	-2	57	60	0	0	RA	0		0.0	T	29.87	29.96	6.8	14	7.9	22	15	18	16	28		
29	79	64	72	5	63	66	0	7	RA	0		0.0	0.03	29.85	29.93	4.0	19	5.0	14	25	12	16	29		
30	87	65	76	9	60	66	0	11	RA FG+ FG BR HZ	0		0.0	0.03	29.83	29.92	4.3	31	5.5	22	33	15	36	30		
31	89	65	77*	10	67	71	0	12		0		0.0	0.00	29.88	29.96	5.8	18	6.5	21	18	16	16	31		
										< MONTHLY AVERAGES TOTALS >				0.0	2.32	29.93	30.02	1.1	26	8.3	< MONTHLY AVERAGES				
										<-----DEPARTURE FROM NORMAL ----->				-1.83	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
DEGREE DAYS										GREATEST 24-HR PRECIPITATION : 0.79 DATE : 14				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY										GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.46				11 0811							
SEASON TO DATE										GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.52				08 0705							
TOTAL DEPARTURE										NUMBER OF ->				MAXIMUM TEMP >= 90 : 1				MINIMUM TEMP <= 32 : 0				PRECIPITATION >= 0.01 INCH : 11			
HEATING : 98 -34 4547 -326										DAYS WITH				MAXIMUM TEMP <= 32 : 0				MINIMUM TEMP <= 0 : 0				PRECIPITATION >= 0.10 INCH : 5			
COOLING : 122 -60 142 69														THUNDERSTORMS : 2				HEAVY FOG : 1				SNOWFALL >= 1.0 INCH : 0			

MAY 2010
WILMINGTON, DE

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE (KILG)
MAY 2010

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				T	T								02												02	T	T	
03	T		T	T	0.06	0.01	0.01	T	T				03												03	0.08	0.08	
04													04												04	0.00	0.00	
05													05												05	0.00	0.00	
06													06												06	0.00	0.00	
07													07												07	0.00	0.00	
08													08												08	0.00	0.00	
09													09												09	0.00	0.00	
10													10												10	0.00	0.00	
11													11		T	T	0.01	0.01	T	T	T	0.02	0.02	11	0.06	0.06		
12		T	0.11	0.28	0.01				T				12					T						12	0.40	0.40		
13													13											13	0.00	0.00		
14													14						0.47	0.03	0.29			14	0.79	0.79		
15													15											15	0.00	0.00		
16													16											16	0.00	0.00		
17													17	T	T	T	0.01	T	T	T	0.01	T	T	0.10	17	0.12	0.12	
18	0.07	0.09	0.10	0.07	0.07	0.03	T	0.01	T	0.03	0.03	0.04	18	0.02	T									18	0.56	0.56		
19													19												19	0.00	0.00	
20				T									20												20	T	T	
21						T							21												21	T	T	
22													22	T	T							T	T	22	T	T		
23	T	T			0.02	T					T	T	23			T	0.09	0.03			T		0.01	T	23	0.15	0.15	
24	T	T		T	T	T							24			T	0.02	T	0.01					24	0.03	0.03		
25													25												25	0.00	0.00	
26													26												26	0.00	0.00	
27													27								0.01	0.06	T	27	0.07	0.07		
28													28				T	T						28	T	T		
29							0.03						29											29	0.03	0.03		
30			0.03	T									30											30	0.03	0.03		
31													31											31	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)	0.18	0.27	0.36	0.42	0.46	0.48	0.49	0.49	0.49	0.57	0.79	0.79
Ending Date	14	14	14	14	14	14	14	14	14	14	14	14
Ending Time (Hr/Min)	1835	1835	1835	1839	1847	1902	1907	1907	1958	2018	2037	2037

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 MAY 2010

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							10.00	10.00	
02							7.00	10.00	
03							7.00	10.00	
04							10.00	10.00	
05							7.00	10.00	
06							4.00	10.00	
07							10.00	10.00	
08							9.00	10.00	
09							10.00	10.00	
10							0.75	10.00	
11							9.00	10.00	
12							2.50	10.00	
13							7.00	10.00	
14							2.50	10.00	
15							7.00	10.00	
16							10.00	10.00	
17							4.00	10.00	
18							2.50	10.00	
19							9.00	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							4.00	10.00	
24							2.00	10.00	
25							5.00	10.00	
26							10.00	10.00	
27							9.00	10.00	
28							9.00	10.00	
29							9.00	10.00	
30							0.75	10.00	
31							8.00	10.00	
MONTHLY AVGS							6.94	10.00	
SUNSHINE (Minutes)									
Total : 0					Possible : 26709				
Percent Possible : 0									
NUMBER OF DAYS WITH : SKY CONDITION									
Clear		Partly CLDY			Cloudy			Missing	
MINIMUM VISIBILITY (MILES)									
<= .25			<= 3.0				>= 7.0		
0			6				21		

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE MAY 2010 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)		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				Observation Time (LST)	Eff Cld Amt Oktas			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0504 MAY 01 SUNSET: 1856															SUNRISE: 0457 MAY 07 SUNSET: 1901														
01	CLR	NC			10.00		61	51	56	70	0	00	29.73	29.82	01	CLR	NC			10.00		56	37	47	49	8	33	29.91	29.99
04	CLR	NC			10.00		59	52	55	78	0	00	29.75	29.83	04	CLR	NC			10.00		53	40	47	62	7	35	29.93	30.01
07	CLR	NC			10.00		64	55	59	73	5	25	29.80	29.87	07	CLR	NC			10.00		57	43	50	60	0	00	29.98	30.07
10	CLR	NC			10.00		78	59	66	52	5	18	29.78	29.87	10	CLR	NC			10.00		63	42	52	46	3	VR	29.98	30.07
13	CLR	NC			10.00		84	62	70	48	8	15	29.75	29.84	13	CLR	NC			10.00		67	45	55	45	8	18	29.91	30.00
16	CLR	NC			10.00		84	63	70	49	7	18	29.72	29.81	16	CLR	NC			10.00		71	46	57	41	7	21	29.85	29.94
19	CLR	NC			10.00		74	61	66	64	8	16	29.72	29.80	19	CLR	NC			10.00		63	54	58	73	16	16	29.77	29.84
22	CLR	NC			10.00		69	60	64	73	6	16	29.75	29.83	22	CLR	NC			10.00		63	52	57	68	10	17	29.70	29.79
SUNRISE: 0502 MAY 02 SUNSET: 1857															SUNRISE: 0455 MAY 08 SUNSET: 1902														
01	CLR	NC			10.00		67	61	63	81	0	00	29.75	29.84	01	CLR	NC			10.00		61	47	54	60	9	17	29.61	29.69
04	FEW	090			10.00		67	63	65	87	3	16	29.75	29.82	04	CLR	NC			10.00		59	53	56	81	6	17	29.49	29.57
07	CLR	NC			8.00		69	65	66	87	3	20	29.78	29.86	07	CLR	NC			10.00		65	59	61	81	0	00	29.44	29.52
10	CLR	NC			10.00		81	68	72	65	16	24	29.78	29.85	10	BKN	065			10.00		74	55	63	52	21	28	29.49	29.57
13	CLR	NC			10.00		85	70	75	61	10	24	29.77	29.85	13	CLR	NC			10.00		75	42	57	31	26	25	29.49	29.57
16	CLR	NC			10.00		85	70	75	61	15	22	29.73	29.81	16	CLR	NC			10.00		71	30	51	22	26	27	29.56	29.64
19	CLR	NC			10.00		81	69	73	67	6	23	29.75	29.83	19	FEW	095			10.00		62	30	47	30	21	29	29.65	29.74
22	CLR	NC			10.00		75	68	70	79	6	16	29.72	29.81	22	CLR	NC			10.00		55	33	45	43	21	30	29.77	29.85
SUNRISE: 0501 MAY 03 SUNSET: 1858															SUNRISE: 0454 MAY 09 SUNSET: 1903														
01	FEW	065			10.00	-RA	78	68	71	71	9	21	29.69	29.76	01	FEW	060			10.00		49	36	43	61	15	30	29.82	29.90
04	BKN	110			10.00	-RA	76	69	71	79	3	28	29.65	29.74	04	CLR	NC			10.00		46	34	41	63	17	30	29.86	29.95
07	OVC	042			10.00	-RA	73	68	70	84	13	24	29.72	29.80	07	SCT	050			10.00		48	32	41	54	9	28	29.93	30.01
10	CLR	NC			10.00		75	68	70	79	9	18	29.64	29.71	10	SCT	055			10.00		54	30	44	40	20	30	29.93	30.02
13	CLR	NC			10.00		79	69	72	72	16	25	29.67	29.74	13	BKN	060			10.00		56	30	45	37	23	32	29.96	30.04
16	CLR	NC			10.00		80	59	67	49	8	30	29.67	29.75	16	CLR	NC			10.00		56	28	44	34	26	30	29.98	30.07
19	OVC	085			10.00		76	60	66	58	5	16	29.69	29.77	19	OVC	070			10.00		51	28	41	41	17	31	30.06	30.14
22	OVC	085			10.00		73	62	66	69	6	26	29.73	29.82	22	CLR	NC			10.00		47	28	39	48	15	31	30.11	30.20
SUNRISE: 0500 MAY 04 SUNSET: 1859															SUNRISE: 0453 MAY 10 SUNSET: 1904														
01	BKN	120			10.00		70	61	64	73	3	28	29.72	29.81	01	CLR	NC			10.00		44	28	38	53	10	29	30.15	30.23
04	OVC	100			10.00		66	61	63	84	0	00	29.75	29.83	04	CLR	NC			10.00		40	26	35	57	10	30	30.19	30.27
07	CLR	NC			10.00		70	56	62	61	9	29	29.78	29.87	07	CLR	NC			10.00		46	28	39	50	8	30	30.24	30.32
10	CLR	NC			10.00		78	51	62	39	14	28	29.77	29.84	10	CLR	NC			10.00		53	27	42	37	11	33	30.23	30.32
13	SCT	080			10.00		78	48	61	35	21	30	29.72	29.80	13	CLR	NC			10.00		59	25	45	27	18	29	30.19	30.28
16	SCT	085			10.00		80	47	61	31	18	29	29.70	29.78	16	CLR	NC			10.00		61	22	45	22	15	32	30.19	30.27
19	FEW	090			10.00		70	51	59	51	3	34	29.75	29.83	19	CLR	NC			10.00		55	24	42	30	9	30	30.22	30.30
22	CLR	NC			10.00		65	52	58	63	0	00	29.82	29.89	22	CLR	NC			10.00		46	29	39	52	3	32	30.29	30.37
SUNRISE: 0459 MAY 05 SUNSET: 1900															SUNRISE: 0452 MAY 11 SUNSET: 1905														
01	CLR	NC			10.00		56	52	54	87	7	34	29.83	29.91	01	CLR	NC			10.00		42	31	38	65	6	02	30.33	30.41
04	CLR	NC			10.00		54	49	51	83	5	19	29.88	29.96	04	CLR	NC			10.00		39	33	37	79	3	36	30.33	30.42
07	CLR	NC			10.00		62	54	58	75	0	00	29.93	30.01	07	CLR	NC			10.00		49	34	42	56	0	00	30.37	30.46
10	CLR	NC			10.00		75	48	60	39	9	15	29.93	30.01	10	CLR	NC			10.00		54	25	42	33	5	VR	30.36	30.44
13	CLR	NC			10.00		77	42	58	29	14	16	29.88	29.97	13	CLR	NC			10.00		55	30	44	39	9	20	30.35	30.43
16	CLR	NC			10.00		75	51	61	43	15	16	29.85	29.93	16	SCT	031			10.00	-RA	49	41	45	74	7	20	30.28	30.37
19	CLR	NC			10.00		68	54	60	61	16	16	29.82	29.89	19	OVC	050			10.00		50	44	47	80	16	16	30.22	30.31
22	CLR	NC			8.00		63	60	61	90	8	15	29.80	29.89	22	OVC	055			10.00		48	45	47	89	13	13	30.16	30.24
SUNRISE: 0458 MAY 06 SUNSET: 1900															SUNRISE: 0451 MAY 12 SUNSET: 1906														
01	CLR	NC			5.00	BR	63	60	61	90	6	17	29.73	29.82	01	OVC	035			10.00		51	45	48	80	15	14	30.07	30.16
04	CLR	NC			9.00		62	58	60	87	5	21	29.69	29.77	04	OVC	018			6.00	RA BR	47	46	47	96	11	06	30.06	30.14
07	CLR	NC			10.00		70	60	64	71	8	21	29.67	29.76	07	OVC	007			6.00	BR	49	47	48	93	5	08	30.02	30.11
10	FEW	042			10.00		78	60	67	54	14	31	29.70	29.78	10	OVC	003			3.00	BR	53	50	51	90	6	03	30.01	30.10
13	CLR	NC			10.00		79	51	63	38	20	31	29.70	29.78	13	OVC	009			7.00		56	51	53	83	7	03	30.01	30.09
16	CLR	NC			10.00		78	40	58	26	14	28	29.72	29.79	16	OVC	013			8.00		56	51	53	83	8	05	30.03	30.11
19	CLR	NC			10.00		71	36	53	28	11	31	29.78	29.85	19	OVC	007			6.00	BR	51	48	49	90	13	06	30.04	30.13
22	CLR	NC			10.00		62	40	51	45	6	29	29.85	29.93	22	OVC	011			10.00		50	45	48	83	9	06	30.14	30.23

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE MAY 2010 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 Cld Amt Oktas			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION				SEA LEVEL	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: 0450 MAY 13 SUNSET: 1907																													
01	OVC	021			10.00		49	42	46	77	10	03	30.19	30.27	01	OVC	018			10.00		52	50	51	93	6	32	29.80	29.88
04	CLR	NC			10.00		46	43	45	89	0	00	30.22	30.30	04	OVC	020			9.00		52	50	51	93	6	32	29.78	29.87
07	CLR	NC			10.00		51	43	47	74	0	00	30.24	30.33	07	OVC	028			10.00		54	50	52	86	7	29	29.83	29.92
10	CLR	NC			10.00		59	44	51	58	6	05	30.27	30.36	10	OVC	032			10.00		61	49	55	65	6	31	29.83	29.91
13	CLR	NC			10.00		62	44	53	52	3	VR	30.24	30.33	13	OVC	036			10.00		64	50	56	61	9	32	29.78	29.87
16	OVC	060			10.00		62	45	53	54	13	16	30.20	30.29	16	SCT	042			10.00		66	50	57	57	10	29	29.80	29.89
19	OVC	042			10.00		58	45	51	62	13	17	30.19	30.27	19	OVC	050			10.00		63	52	57	68	3	30	29.83	29.91
22	OVC	034			10.00		57	50	53	78	8	19	30.15	30.24	22	CLR	NC			10.00		55	50	52	83	3	28	29.85	29.93
SUNRISE: 0449 MAY 14 SUNSET: 1908																													
01	OVC	020			10.00		57	50	53	78	8	19	30.14	30.22	01	CLR	NC			10.00		53	50	51	90	6	26	29.85	29.94
04	OVC	008			8.00		56	53	54	90	6	20	30.09	30.18	04	OVC	080			10.00		54	51	52	90	5	30	29.85	29.94
07	OVC	006			4.00	BR	59	57	58	93	8	25	30.10	30.19	07	OVC	100			10.00		60	53	56	78	6	30	29.90	29.98
10	OVC	006			6.00	HZ	64	59	61	84	10	23	30.09	30.17	10					10.00		73	52	61	48	8	30	29.91	29.99
13	CLR	NC			10.00		78	64	69	62	11	22	30.01	30.10	13	CLR	NC			10.00		78	49	61	36	7	34	29.91	30.00
16	CLR	NC			10.00		84	67	73	57	15	20	29.93	30.02	16	CLR	NC			10.00		81	47	62	30	0	00	29.91	29.99
19	OVC	110			7.00	-TSRA	70	66	67	87	9	22	29.96	30.04	19	CLR	NC			10.00		74	55	63	52	5	18	29.93	30.01
22	SCT	070			10.00	VCTS	68	66	67	93	6	18	29.93	30.02	22	CLR	NC			10.00		67	52	59	6	25	29.98	30.06	
SUNRISE: 0448 MAY 15 SUNSET: 1909																													
01	CLR	NC			8.00		66	64	65	93	6	27	29.90	29.98	01	CLR	NC			10.00		62	53	57	73	0	00	29.98	30.06
04	CLR	NC			10.00		64	59	61	84	10	31	29.94	30.03	04	CLR	NC			10.00		59	53	56	81	0	00	29.99	30.08
07	CLR	NC			10.00		64	49	56	58	9	31	30.01	30.10	07	CLR	NC			10.00		67	56	61	68	0	00	30.04	30.13
10	CLR	NC			10.00		69	46	57	44	20	31	30.04	30.13	10	CLR	NC			10.00		76	58	65	54	3	16	30.06	30.14
13	CLR	NC			10.00		71	46	57	41	14	33	30.03	30.11	13	CLR	NC			10.00		83	54	66	37	8	17	30.04	30.12
16	CLR	NC			10.00		74	45	58	36	14	31	30.01	30.09	16	CLR	NC			10.00		84	51	64	32	7	18	30.01	30.10
19	CLR	NC			10.00		70	45	57	41	7	27	30.02	30.10	19	CLR	NC			10.00		73	56	63	55	14	16	30.03	30.12
22	CLR	NC			10.00		62	48	55	60	7	28	30.04	30.13	22	CLR	NC			10.00		69	55	61	61	5	12	30.04	30.13
SUNRISE: 0448 MAY 16 SUNSET: 1910																													
01	CLR	NC			10.00		56	48	52	75	7	32	30.06	30.13	01	CLR	NC			10.00		67	58	62	73	0	00	30.06	30.14
04	SCT	100			10.00		59	45	52	60	13	04	30.06	30.15	04	CLR	NC			10.00		63	57	60	81	8	15	30.09	30.16
07	OVC	100			10.00		59	44	51	58	7	36	30.11	30.20	07	CLR	NC			10.00		63	58	60	84	3	10	30.11	30.20
10	CLR	NC			10.00		66	43	54	43	11	02	30.09	30.18	10	SCT	080			10.00		71	60	64	68	10	14	30.12	30.21
13	CLR	NC			10.00		69	44	56	41	9	34	30.06	30.15	13	OVC	065			10.00		71	61	65	71	13	13	30.09	30.18
16	SCT	060			10.00		71	45	57	39	7	31	30.02	30.11	16	BKN	070			10.00		73	60	65	64	15	15	30.06	30.14
19	CLR	NC			10.00		66	44	54	45	3	36	30.03	30.12	19	SCT	030			10.00		70	59	63	68	11	14	30.06	30.14
22	CLR	NC			10.00		60	48	54	65	0	00	30.07	30.16	22	BKN	110			10.00	-RA	66	61	63	84	7	11	30.06	30.15
SUNRISE: 0447 MAY 17 SUNSET: 1911																													
01	CLR	NC			10.00		57	49	53	75	3	33	30.09	30.17	01	OVC	055			10.00		64	61	62	90	8	08	30.04	30.13
04	CLR	NC			10.00		54	50	52	86	3	34	30.09	30.17	04	OVC	011			8.00		63	61	62	93	6	06	30.03	30.12
07	CLR	NC			10.00		60	48	54	65	5	04	30.10	30.19	07	OVC	005			7.00		64	61	62	90	15	06	30.06	30.15
10	CLR	NC			10.00		65	50	57	59	6	08	30.10	30.19	10	OVC	007			6.00	BR	66	62	64	87	14	05	30.09	30.18
13	CLR	NC			10.00		68	46	56	45	8	15	30.09	30.17	13	OVC	050			10.00		71	63	66	76	11	06	30.09	30.16
16	FEW	100			10.00	-RA	64	47	55	54	5	10	30.06	30.14	16	BKN	050			10.00		71	67	68	87	5	05	30.06	30.14
19	OVC	090			10.00	-RA	60	44	52	56	5	14	30.06	30.15	19	SCT	021			10.00		69	64	66	84	9	08	30.09	30.17
22	OVC	060			10.00	-RA	54	46	50	75	13	15	30.06	30.14	22	OVC	016			10.00		66	62	64	87	10	05	30.09	30.18
SUNRISE: 0446 MAY 18 SUNSET: 1912																													
01	OVC	039			5.00	-RA BR	52	50	51	93	10	08	30.01	30.09	01	OVC	006			5.00	-RA BR	63	61	62	93	10	05	30.09	30.18
04	OVC	008			4.00	-RA BR	52	50	51	93	11	07	29.96	30.04	04	OVC	004			4.00	BR	62	60	61	93	9	05	30.09	30.17
07	OVC	012			10.00		51	48	49	90	13	07	29.93	30.02	07	OVC	004			2.50	BR	63	61	62	93	9	06	30.14	30.22
10	OVC	006			3.00	RA BR	51	49	50	93	20	05	29.90	29.98	10	OVC	006			7.00		67	63	65	87	11	06	30.17	30.25
13	OVC	017			3.00	-RA	52	49	50	90	22	05	29.83	29.92	13	OVC	024			10.00		73	65	68	76	10	06	30.17	30.26
16	OVC	008			7.00		52	49	50	90	14	02	29.80	29.89	16	OVC	043			10.00		74	64	68	71	9	08	30.15	30.24
19	OVC	014			10.00		53	49	51	86	10	02	29.78	29.86	19	BKN	017			10.00		70	64	66	81	9	08	30.14	30.23
22	OVC	014			7.00		52	50	51	93	6	34	29.80	29.88	22	OVC	023			10.00		68	64	66	87	6	08	30.15	30.24

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE
MAY 2010 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 Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL
SUNRISE: 0441 MAY 25 SUNSET: 1918													
01	OVC	003				65	64	64	97	6	10	30.14	30.23
04	OVC	003			BR	65	64	64	97	0	00	30.14	30.22
07	OVC	012				67	63	65	87	9	02	30.17	30.25
10	SCT	025				74	61	66	64	9	08	30.15	30.24
13	CLR	NC				77	61	67	58	6	15	30.11	30.20
16	CLR	NC				79	61	68	54	8	17	30.06	30.14
19	CLR	NC				70	59	63	68	11	16	30.02	30.11
22	CLR	NC				65	59	61	81	3	19	30.01	30.10
SUNRISE: 0440 MAY 26 SUNSET: 1919													
01	CLR	NC				64	57	60	78	0	00	29.96	30.05
04	CLR	NC				60	57	58	90	3	20	29.93	30.01
07	CLR	NC				68	62	64	81	3	30	29.88	29.97
10	CLR	NC				83	64	71	53	7	03	29.85	29.93
13	CLR	NC				90	62	72	39	5	VR	29.78	29.86
16	CLR	NC				90	65	73	44	9	30	29.72	29.81
19	CLR	NC				84	62	70	48	5	25	29.69	29.77
22	CLR	NC				75	65	69	71	6	31	29.69	29.76
SUNRISE: 0439 MAY 27 SUNSET: 1919													
01	CLR	NC				75	65	69	71	7	34	29.65	29.73
04	CLR	NC				76	61	67	60	6	36	29.67	29.75
07	CLR	NC				80	63	69	56	3	34	29.70	29.77
10	CLR	NC				80	68	72	67	8	18	29.73	29.81
13	CLR	NC				84	65	71	53	5	VR	29.72	29.80
16	CLR	NC				79	66	70	65	9	13	29.70	29.78
19	CLR	NC				72	58	64	62	9	13	29.73	29.82
22	BKN	100			TSRA	62	53	57	73	17	15	29.80	29.88
SUNRISE: 0439 MAY 28 SUNSET: 1920													
01	BKN	080				60	55	57	84	6	11	29.85	29.93
04	FEW	060				59	54	56	84	6	07	29.83	29.92
07	CLR	NC				62	54	58	75	5	09	29.88	29.96
10	BKN	065				68	57	62	68	9	19	29.90	29.98
13	OVC	065				69	59	63	71	14	15	29.90	29.98
16	OVC	070				68	58	62	71	13	17	29.86	29.95
19	OVC	038				66	57	61	73	7	11	29.88	29.97
22	OVC	070				65	57	60	75	5	15	29.91	30.00
SUNRISE: 0438 MAY 29 SUNSET: 1921													
01	OVC	029				66	60	62	81	5	17	29.91	29.98
04	OVC	065				65	58	61	78	5	18	29.88	29.96
07	OVC	042				65	60	62	84	0	00	29.90	29.97
10	BKN	026				71	63	66	76	5	22	29.86	29.95
13	OVC	047				74	65	68	74	10	17	29.85	29.93
16	SCT	060				78	64	69	62	5	24	29.80	29.89
19	CLR	NC				75	63	67	66	5	22	29.78	29.86
22	CLR	NC				70	67	68	90	3	17	29.82	29.89
SUNRISE: 0438 MAY 30 SUNSET: 1922													
01	CLR	NC				69	65	66	87	3	27	29.80	29.87
04	FEW	085			BR	68	66	67	93	0	00	29.78	29.87
07	CLR	NC			HZ	71	66	68	84	6	34	29.83	29.91
10	CLR	NC				81	56	66	42	9	34	29.88	29.95
13	CLR	NC				85	56	67	37	8	31	29.85	29.93
16	CLR	NC				86	56	67	36	6	31	29.83	29.91
19	CLR	NC				81	57	66	44	5	27	29.85	29.93
22	CLR	NC				75	58	65	56	3	23	29.88	29.96

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
SUNRISE: 0437 MAY 31 SUNSET: 1923													
01	CLR	NC				70	60	64	71	0	00	29.90	29.98
04	CLR	NC				67	62	64	84	0	00	29.91	29.98
07	CLR	NC				74	66	69	76	0	00	29.93	30.01
10	CLR	NC				83	70	74	65	3	VR	29.91	30.00
13	CLR	NC				87	72	77	61	13	17	29.88	29.95
16	CLR	NC				87	71	76	59	14	16	29.83	29.91
19	CLR	NC				83	65	71	55	6	17	29.83	29.92
22	CLR	NC				80	66	71	62	10	20	29.85	29.93

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.

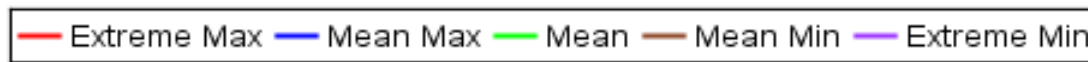
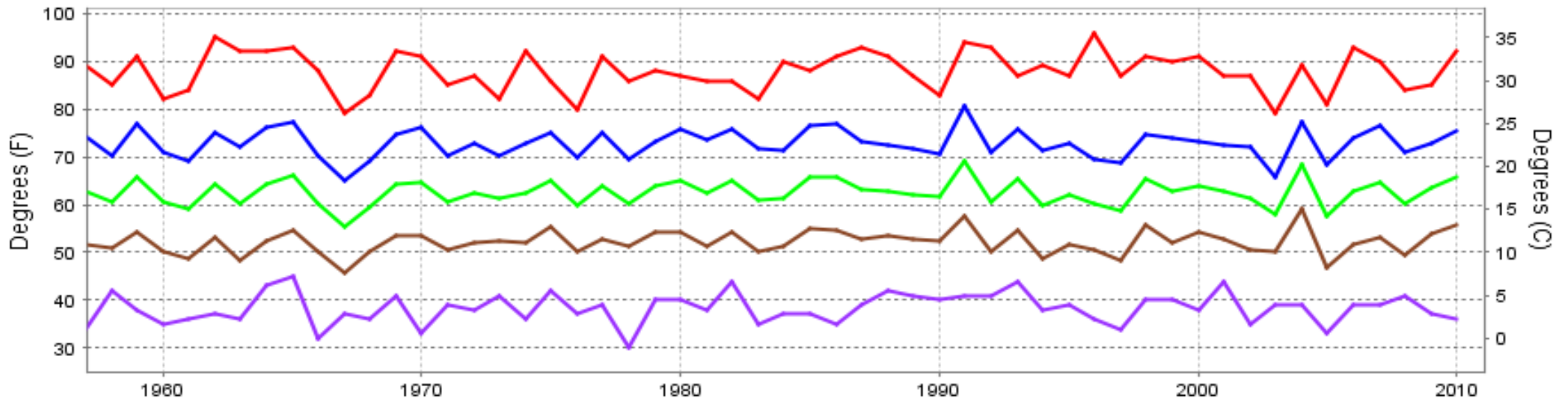
& = Original observation contained additional weather elements.

See page 3 for additional notes.

SUMMARY BY HOUR

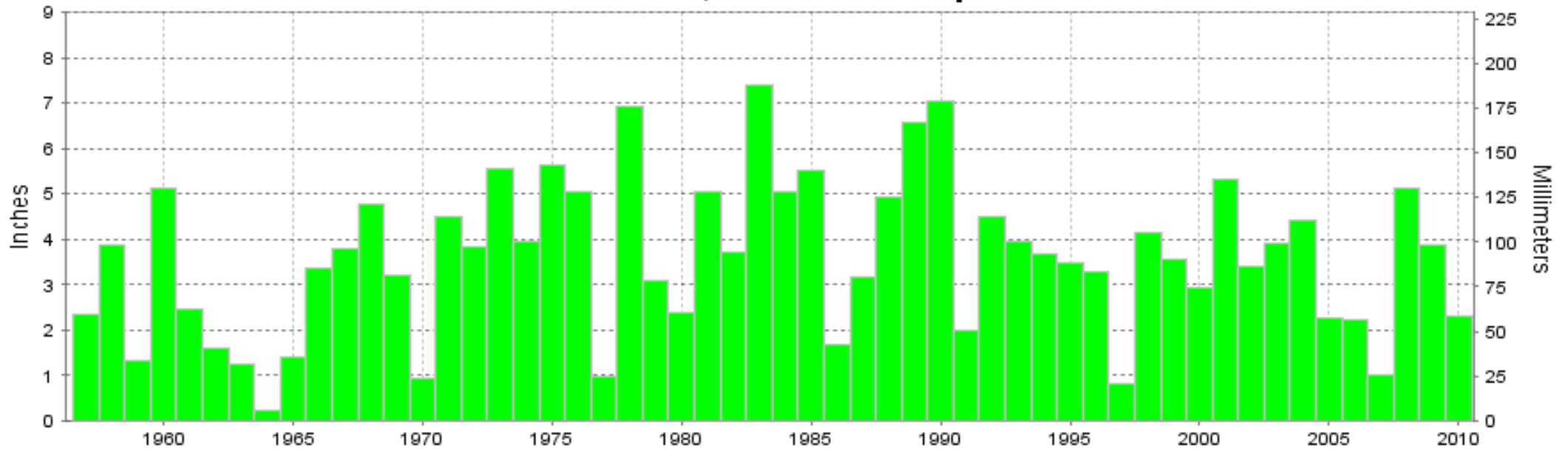
HOUR (LST)	AVERAGES								RESULTANT WIND (MPH)			
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			60	53	56	78	29.93	30.01	9.29	6	0	23
02			60	53	56	79	29.92	30.00	9.15	6	0	15
03			59	53	56	81	29.92	30.00	8.95	6	0	13
04			58	53	56	82	29.92	30.01	8.94	5	0	17
05			58	52	55	82	29.93	30.01	8.82	5	1	25
06			59	53	56	81	29.94	30.03	8.59	5	1	25
07			62	54	58	75	29.95	30.04	9.05	5	1	25
08			65	54	59	69	29.96	30.04	8.94	8	1	26
09			67	53	60	63	29.96	30.04	9.58	8	1	25
10			69	53	60	60	29.95	30.04	9.13	10	2	26
11			71	53	61	57	29.95	30.03	9.23	9	2	26
12			72	53	61	55	29.94	30.02	9.28	11	2	26
13			73	53	61	52	29.93	30.01	9.68	12	2	26
14			73	53	62	52	29.92	30.01	9.87	11	2	26
15			73	53	62	51	29.91	30.00	9.84	12	4	27
16			73	52	61	52	29.91	29.99	9.81	11	3	27
17			72	52	61	53	29.91	29.99	9.97	12	3	27
18			70	52	60	56	29.90	29.99	9.97	11	1	26
19			68	52	59	60	29.92	30.00	9.77	9	0	14
20			66	52	59	64	29.92	30.01	9.94	8	0	15
21			64	53	58	68	29.94	30.02	9.77	8	0	23
22			63	53	58	72	29.94	30.02	9.77	7	0	20
23			62	53	57	74	29.94	30.02	9.71	7	1	26
24			61	53	57	76	29.94	30.03	9.33	6	0	23

WILMINGTON, DE MAY Temperatures



Long-Term (1957-2010) Mean: 62.5
1971-2000 Normal: 62.5

WILMINGTON, DE MAY Precipitation



Long-Term (1957-2010) Mean Monthly Total: 3.59

1971-2000 Normal: 4.15



MAY 2010
WILMINGTON, DE

LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

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DIRECTOR

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