



JANUARY 2011

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						
																			3-SEC		2-MIN				
																			SPEED	DIR	SPEED	DIR			
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	56	29	43	10	37	40	22	0	RA BR HZ	0		0.0	T	30.01		3.5	16	3.9	16	16	14	16	01		
02	58*	32	45*	12	40	44	20	0	RA BR	0		0.0	0.14	29.88	29.99	6.9	29	9.6	31	30	23	30	02		
03	37	26	32	0	14	25	33	0		0		0.0	0.00	30.09	30.20	9.6	31	10.7	33	31	26	31	03		
04	41	20	31	-1	20	27	34	0		0		0.0	0.00	29.93	29.99	4.2	23	4.6	20	22	16	24	04		
05	38	22	30	-2	17	27	35	0		0		0.0	0.00	29.80	29.90	7.3	29	7.8	22	30	17	30	05		
06	36	21	29	-3	17	25	36	0		0		0.0	0.00	29.63	29.70	1.7	31	4.6	17	26	12	33	06		
07	33	23	28	-4	21	26	37	0	SN FZFG BR	1		1.2	0.11	29.39	29.47	2.1	29	5.6	18	30	17	30	07		
08	29	22	26	-6	18	23	39	0	SN FZFG BR	1		0.5	0.04	29.39	29.51	5.3	30	6.7	31	29	25	30	08		
09	31	22	27	-5	13	22	38	0		1		0.0	0.00	29.85	30.01	18.5	30	18.7	39	30	31*	31	09		
10	31	20	26	-6	14	22	39	0		T		0.0	0.00	30.18	30.28	8.5	30	8.9	23	31	18	31	10		
11	31	18	25	-6	21	24	40	0	SN FZFG BR	T		3.9	0.41	30.07	30.13	1.1	36	3.5	14	31	12	31	11		
12	31	20	26	-5	19	24	39	0	SN BR	4		0.5	0.03	29.72	29.84	14.1	29	14.8	36	30	29	30	12		
13	28	16	22	-9	12	20	43	0		4		0.0	0.00	30.11	30.24	13.2	31	13.4	32	30	25	32	13		
14	30	14	22	-9	13	20	43	0		3		0.0	0.00	30.26	30.36	5.5	28	5.9	24	32	20	32	14		
15	37	18	28	-3	21	27	37	0	BR	3		0.0	0.00	30.05	30.11	3.3	19	4.0	15	15	13	19	15		
16	36	20	28	-3	17	26	37	0		2		0.0	0.00	30.01	30.13	9.2	31	9.7	29	33	24	32	16		
17	28	24	26	-5	14	22	39	0	SN BR UP	1		0.7	0.12	30.20	30.29	7.1	05	7.7	21	05	16	05	17		
18	37	28	33	2	32	33	32	0	RA FZRA SN BR UP	2		T	0.55	29.78	29.83	7.5	36	12.0	31	05	24	04	18		
19	44	34	39	8	34	36	26	0	RA BR	1		0.0	0.07	29.68	29.81	8.0	29	8.5	23	28	20	32	19		
20	38	28	33	2	23	30	32	0		T		0.0	0.00	29.93	30.00	3.9	31	9.6	24	32	20	31	20		
21	33	18	26	-5	16	24	39	0	RA SN BR UP	T		0.5	0.14	29.65	29.77	15.6	30	16.4	40*	30	30	31	21		
22	23	11	17	-14	3	13	48	0		T		0.0	0.00	29.91	29.99	7.2	31	7.6	23	32	20	32	22		
23	27	11	19	-12	5	15	46	0		T		0.0	0.00	29.98	30.13	9.1	30	9.5	31	32	23	31	23		
24	26	8*	17*	-14	6	15	48	0		0		0.0	0.00	30.34	30.43	2.5	11	5.7	14	15	10	16	24		
25	40	26	33	2	23	28	32	0	BR	0		T	0.00	30.11	30.18	0.9	16	2.8	10	17	8	17	25		
26	35	31	33	2	31	32	32	0	RA SN FG+ FG FZFG BR UP	1		10.3	1.57	29.75	29.81	13.6	03	15.9	37	36	26	35	26		
27	36	23	30	-1	24	29	35	0	SN UP	8		0.1	0.01	29.73	29.86	9.5	29	10.4	24	28	20	30	27		
28	34	23	29	-3	27	29	36	0	SN BR HZ	7		0.3	0.03	29.77	29.86	2.6	17	3.8	16	17	14	16	28		
29	36	24	30	-2	23	28	35	0	SN BR UP HZ	6		T	T	29.87	29.97	3.0	25	5.1	17	30	14	30	29		
30	39	21	30	-2	22	27	35	0	BR HZ	6		0.0	0.00	30.02	30.15	5.3	31	6.3	23	32	18	32	30		
31	34	17	26	-6	15	23	39	0	SN	6		T	T	30.33	30.44	4.7	05	5.8	21	01	16	01	31		
35.3			21.6	28.5	M	19.7	26.0	36.3	0.0	< MONTHLY AVERAGES TOTALS >				18.0	3.22	29.92	30.00	5.0	31	8.4	< MONTHLY AVERAGES				
-4.0		-2.1	-3.0	<-----DEPARTURE FROM NORMAL----->										-0.21		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS									GREATEST 24-HR PRECIPITATION :				1.58	DATE :		26-27		SEA LEVEL PRESSURE				DATE		TIME	
MONTHLY									GREATEST 24-HR SNOWFALL :				10.3	DATE :		26		MAXIMUM :				30.52		24 1051	
SEASON TO DATE									GREATEST SNOW DEPTH :				8	DATE :		27		MINIMUM :				29.43		07 1451	
TOTAL DEPARTURE									TOTAL DEPARTURE																
HEATING :		1126		97		2955		141		NUMBER OF ->		MAXIMUM TEMP >= 90 :		0		MINIMUM TEMP <= 32 :		30		PRECIPITATION >= 0.01 INCH: 12					
COOLING :		0		0		0		0		DAYS WITH		MAXIMUM TEMP <= 32 :		11		MINIMUM TEMP <= 0 :		0		PRECIPITATION >= 0.10 INCH: 7					
												THUNDERSTORMS :		0		HEAVY FOG :		1		SNOWFALL >= 1.0 INCH : 3					

JANUARY 2011
WILMINGTON, DE

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE (KILG)
JANUARY 2011

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													01												01	T		T	
02			0.01			0.05	T		T	0.01	0.01		02			T	0.02	0.04	T		T			T	02	0.14		0.14	
03													03												03	0.00		0.00	
04													04												04	0.00		0.00	
05													05												05	0.00		0.00	
06													06												06	0.00		0.00	
07					T	0.01	0.06	0.03	0.01	0.01			07												07	0.11		0.11	
08						T	T	0.02	0.01	0.01	T	T	08		T	T	T	T							08	0.04		0.04	
09													09												09	0.00		0.00	
10													10												10	0.00		0.00	
11													11												11	0.41		0.41	
12	0.02	T											12		T		0.01	T	T	0.03	0.07	0.07	0.06	0.10	0.07	12	0.02*		0.03
13													13												13	0.00		0.00	
14													14												14	0.00		0.00	
15													15												15	0.00		0.00	
16													16												16	0.00		0.00	
17													17									T	0.03	0.03	0.06	17	0.12		0.12
18	0.06	0.05	0.03	0.05	0.03	T	0.01	0.08	0.04	0.09	0.06	0.04	18	0.01											18	0.55		0.55	
19		T	0.04	0.03	T								19												19	0.07		0.07	
20													20												20	0.00		0.00	
21	0.01	0.03	0.05	0.05	T								21												21	0.14		0.14	
22													22												22	0.00		0.00	
23													23												23	0.00		0.00	
24													24												24	0.00		0.00	
25													25												25	0.00		0.00	
26					0.01	0.06	0.04	0.08	0.06	0.04	0.10	0.01	26	0.02	0.01	0.01	0.01	0.06	0.26	0.17	0.16	0.06	0.10	0.25	0.06	26	1.57		1.57
27	0.01	T											27												27	0.01		0.01	
28													28	T	0.01	0.01	0.01	T	T						28	0.03		0.03	
29													29				T								29	T		T	
30													30												30	0.00		0.00	
31													31										T	T	31	T		T	

* 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	0.15	0.18	0.19	0.21	0.26	0.32	0.36	0.42	0.48	0.57	0.61
Ending Date	26	26	26	26	26	26	26	26	26	26	26	26
Ending Time (Hr/Min)	2224	2224	2238	2241	2241	1804	1819	1839	1900	1916	1949	1941

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 JANUARY 2011

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							2.50	10.00	
03							10.00	10.00	
04							8.00	10.00	
05							9.00	10.00	
06							10.00	10.00	
07							0.50	10.00	
08							0.75	10.00	
09							10.00	10.00	
10							10.00	10.00	
11							0.50	10.00	
12							3.00	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							5.00	10.00	
16							10.00	10.00	
17							1.50	10.00	
18							1.50	10.00	
19							1.75	10.00	
20							10.00	10.00	
21							2.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							5.00	10.00	
26							0.25	8.00	
27							1.50	10.00	
28							1.00	10.00	
29							4.00	10.00	
30							4.00	10.00	
31							8.00	10.00	
MONTHLY AVGS							5.60	9.94	
SUNSHINE (Minutes)									
Total : 0 Possible : 18136									
Percent Possible : 0									
NUMBER OF DAYS WITH :									
SKY CONDITION									
Clear Partly CLDY Cloudy Missing									
MINIMUM VISIBILITY (MILES)									
<= .25 <= 3.0 >= 7.0									
1 12 14									

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE
JANUARY 2011 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: 0723 JAN 01 SUNSET: 1649																
01	CLR	NC			7.00	BR HZ	33	28	31	82	0	00	30.09	30.16		
04	CLR	NC			5.00		30	27	29	89	0	00	30.06			
07	CLR	NC			5.00		32	29	31	89	3	04	30.06			
10	CLR	NC			6.00		40	34	37	79	3	16	30.07			
13	CLR	NC			9.00		50	41	46	71	7	16	29.99	30.08		
16	SCT	022			9.00		50	45	48	83	10	15	29.94	30.03		
19	CLR	NC			6.00	BR	44	42	43	93	5	18	29.94	30.03		
22	OVC	085			5.00	BR	44	43	44	96	0	00	29.93	30.01		
SUNRISE: 0723 JAN 02 SUNSET: 1650																
01	OVC	015			10.00	BR -RA BR	57	55	56	93	14	22	29.86	29.95		
04	OVC	004			2.50		56	56	56	100	9	21	29.85	29.94		
07	SCT	033			6.00		50	48	49	93	9	31	29.91	29.98		
10	OVC	049			4.00		49	47	48	93	3	31	29.98	30.05		
13	OVC	055			10.00		48	41	45	77	10	34	29.88	29.96		
16	OVC	065			6.00	RA	42	37	40	83	5	27	29.86	29.94		
19	OVC	090			10.00		42	28	36	58	11	32	29.90	29.98		
22	CLR	NC			10.00		36	19	30	50	15	31	29.96	30.04		
SUNRISE: 0723 JAN 03 SUNSET: 1651																
01	CLR	NC			10.00		31	15	26	51	18	32	29.99	30.08		
04	FEW	090			10.00		29	14	24	53	20	31	30.06	30.14		
07	CLR	NC			10.00		26	14	22	60	10	31	30.14	30.22		
10	CLR	NC			10.00		30	13	25	49	15	31	30.19	30.27		
13	CLR	NC			10.00		35	13	28	40	13	32	30.12	30.22		
16	CLR	NC			10.00		35	12	28	39	14	30	30.11	30.20		
19	CLR	NC			10.00		32	13	26	45	5	25	30.14	30.22		
22	CLR	NC			10.00		27	15	23	61	3	17	30.11	30.20		
SUNRISE: 0723 JAN 04 SUNSET: 1651																
01	CLR	NC			10.00		26	16	23	66	0	00	30.09	30.18		
04	CLR	NC			10.00		22	16	20	78	0	00	30.06	30.14		
07	CLR	NC			9.00		20	18	19	92	0	00	30.01	30.10		
10	CLR	NC			10.00		30	24	28	78	3	VR	29.98	30.06		
13	SCT	085			10.00		39	24	33	55	11	22	29.85	29.93		
16	CLR	NC			10.00		40	21	33	47	8	24	29.80	29.88		
19	CLR	NC			10.00		33	22	29	64	3	22	29.78	29.87		
22	CLR	NC			10.00		31	22	28	69	9	25	29.78	29.87		
SUNRISE: 0723 JAN 05 SUNSET: 1652																
01	CLR	NC			10.00		29	20	26	69	5	25	29.78	29.87		
04	FEW	060			10.00		31	19	27	61	7	29	29.83	29.92		
07	CLR	NC			10.00		27	18	24	69	7	31	29.85	29.94		
10	CLR	NC			10.00		35	17	29	48	14	30	29.88	29.97		
13	CLR	NC			10.00		36	16	29	44	11	31	29.83	29.91		
16	CLR	NC			10.00		36	16	29	44	9	27	29.78	29.87		
19	CLR	NC			10.00		30	16	26	56	5	27	29.78	29.87		
22	CLR	NC			10.00		27	16	24	63	3	26	29.77	29.85		
SUNRISE: 0723 JAN 06 SUNSET: 1653																
01	CLR	NC			10.00		24	17	22	75	3	31	29.72	29.81		
04	OVC	100			10.00		24	17	22	75	5	30	29.70	29.79		
07	CLR	NC			10.00		24	16	22	71	6	32	29.69	29.77		
10	CLR	NC			10.00		30	15	25	54	7	34	29.67	29.76		
13	BKN	100			10.00		35	14	28	42	7	35	29.59	29.67		
16	CLR	NC			10.00		34	14	28	44	0	00	29.57	29.65		
19	CLR	NC			10.00		31	15	26	51	0	00	29.54	29.63		
22	OVC	095			10.00		30	23	28	75	6	16	29.52	29.60		
SUNRISE: 0723 JAN 07 SUNSET: 1654																
01	OVC	038			10.00	-SN BR BR	30	22	27	72	5	13	29.44	29.54		
04	OVC	055			10.00		30	23	28	75	7	12	29.39	29.47		
07	OVC	013			1.00		30	30	30	100	9	19	29.39	29.47		
10	BKN	085			4.00		30	27	29	89	8	27	29.39	29.47		
13	OVC	046			10.00		30	23	28	75	11	32	29.36	29.44		
16	CLR	NC			10.00		30	16	26	56	8	31	29.36	29.44		
19	CLR	NC			10.00		25	13	21	60	5	33	29.39	29.47		
22	FEW	095			10.00		24	15	21	68	0	00	29.40	29.48		
SUNRISE: 0723 JAN 08 SUNSET: 1655																
01	SCT	120			10.00	-SN -SN BR	24	17	22	75	3	04	29.38	29.46		
04	OVC	050			9.00		23	19	22	85	3	02	29.36	29.44		
07	OVC	016			2.50		25	20	23	81	0	00	29.38	29.46		
10	OVC	034			2.00		25	23	24	92	5	07	29.40	29.48		
13	BKN	026			9.00		27	23	26	85	0	00	29.36	29.44		
16	OVC	047			8.00		28	19	25	69	11	30	29.41	29.50		
19	CLR	NC			10.00		24	14	21	66	11	28	29.49	29.59		
22	FEW	070			10.00		23	11	20	60	14	28	29.56	29.65		
SUNRISE: 0723 JAN 09 SUNSET: 1656																
01	CLR	NC			10.00		23	12	20	63	21	29	29.61	29.69		
04	FEW	090			10.00		23	13	20	65	17	29	29.73	29.82		
07	CLR	NC			10.00		22	12	19	65	18	29	29.83	29.91		
10	CLR	NC			10.00		25	13	21	60	23	31	29.91	30.00		
13	CLR	NC			10.00		29	14	24	53	23	29	29.93	30.01		
16	CLR	NC			10.00		31	14	26	49	20	31	30.01	30.10		
19	CLR	NC			10.00		28	14	24	56	17	29	30.09	30.18		
22	CLR	NC			10.00		26	14	22	60	15	30	30.14	30.22		
SUNRISE: 0723 JAN 10 SUNSET: 1657																
01	CLR	NC			10.00		25	14	22	63	13	31	30.14	30.22		
04	CLR	NC			10.00		22	12	19	65	7	26	30.17	30.27		
07	CLR	NC			10.00		21	12	19	68	9	31	30.20	30.29		
10	CLR	NC			10.00		25	14	22	63	11	29	30.24	30.33		
13	CLR	NC			10.00		29	15	25	56	14	33	30.19	30.27		
16	CLR	NC			10.00		30	15	25	54	9	31	30.19	30.27		
19	CLR	NC			10.00		26	14	22	60	8	29	30.22	30.30		
22	CLR	NC			10.00		24	14	21	66	5	27	30.19	30.28		
SUNRISE: 0723 JAN 11 SUNSET: 1658																
01	CLR	NC			10.00	-SN -SN BR SN FZFG	21	13	19	71	0	00	30.15	30.24		
04	CLR	NC			10.00		18	12	16	77	3	36	30.17	30.26		
07	CLR	NC			10.00		22	17	21	81	3	32	30.17	30.26		
10	SCT	075			10.00		27	18	24	69	0	00	30.19	30.28		
13	BKN	050			10.00		29	20	26	69	0	00	30.09	30.17		
16	OVC	036			2.00		30	25	28	82	7	09	29.99	30.09		
19	OVC	012			3.00		30	29	30	96	0	00	29.91	29.99		
22	VV	004			0.50		28	28	28	100	5	30	29.82	29.90		
SUNRISE: 0722 JAN 12 SUNSET: 1659																
01	BKN	036			3.00	-SN BR BR	28	27	28	96	6	32	29.70	29.79		
04	CLR	NC			5.00		23	21	22	92	7	27	29.70	29.79		
07	BKN	055			6.00		20	19	20	96	7	26	29.70	29.79		
10	BKN	060			10.00		27	21	25	78	15	26	29.72	29.81		
13	OVC	044			10.00		30	20	27	66	21	28	29.67	29.76		
16	OVC	055			10.00		29	18	25	63	20	30	29.73	29.82		
19	CLR	NC			10.00		26	15	23	63	18	30	29.83	29.91		
22	OVC	046			10.00		24	14	21	66	18	30	29.90	29.98		

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE
JANUARY 2011 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: 0722 JAN 13 SUNSET: 1700														
01	CLR	NC			10.00		23	13	20	65	20	30	29.94	30.03
04	CLR	NC			10.00		23	12	20	63	15	31	30.02	30.11
07	CLR	NC			10.00		22	12	19	65	15	30	30.10	30.19
10	CLR	NC			10.00		24	12	21	60	22	32	30.19	30.27
13	CLR	NC			10.00		27	14	23	58	16	31	30.16	30.25
16	CLR	NC			10.00		28	13	24	53	16	31	30.19	30.27
19	CLR	NC			10.00		21	10	18	62	6	32	30.22	30.32
22	CLR	NC			10.00		21	12	19	68	3	27	30.24	30.33
SUNRISE: 0722 JAN 14 SUNSET: 1701														
01	CLR	NC			10.00		22	11	19	63	3	29	30.27	30.36
04	CLR	NC			10.00		17	10	15	74	3	26	30.27	30.37
07	OVC	100			10.00		19	12	17	74	6	24	30.28	30.37
10	CLR	NC			10.00		25	13	22	60	7	27	30.31	30.40
13	FEW	035			10.00		29	17	25	61	10	29	30.24	30.34
16	FEW	042			10.00		30	15	25	54	10	29	30.27	30.35
19	CLR	NC			10.00		27	14	23	58	5	26	30.27	30.36
22	CLR	NC			10.00		22	12	19	65	0	00	30.27	30.36
SUNRISE: 0721 JAN 15 SUNSET: 1702														
01	SCT	090			10.00		21	14	19	74	3	24	30.23	30.32
04	FEW	085			9.00		21	15	19	78	0	00	30.20	30.29
07	OVC	070			9.00		23	16	21	74	0	00	30.16	30.25
10	SCT	065			8.00		28	23	26	82	7	13	30.11	30.20
13	BKN	100			10.00		34	22	30	62	7	18	29.98	30.06
16	BKN	080			10.00		37	23	32	57	8	20	29.88	29.97
19	OVC	070			10.00		37	24	32	59	0	00	29.85	29.95
22	OVC	055			10.00		36	26	32	67	5	27	29.85	29.94
SUNRISE: 0721 JAN 16 SUNSET: 1703														
01	FEW	055			10.00		33	25	30	72	3	21	29.86	29.95
04	OVC	043			10.00		33	26	30	75	5	32	29.91	29.99
07	CLR	NC			10.00		30	17	26	58	11	32	30.01	30.09
10	CLR	NC			10.00		30	15	25	54	11	30	30.09	30.17
13	CLR	NC			10.00		34	16	28	48	13	30	30.03	30.12
16	CLR	NC			10.00		33	15	27	48	15	32	30.06	30.16
19	CLR	NC			10.00		28	13	24	53	0	00	30.14	30.22
22	CLR	NC			10.00		23	10	19	57	7	30	30.15	30.24
SUNRISE: 0721 JAN 17 SUNSET: 1704														
01	OVC	060			10.00		25	13	22	60	7	33	30.16	30.25
04	OVC	060			10.00		25	13	22	60	5	34	30.20	30.29
07	OVC	065			10.00		25	14	22	63	6	04	30.23	30.32
10	OVC	044			10.00		25	14	22	63	10	07	30.27	30.36
13	OVC	050			10.00		26	13	22	58	8	05	30.22	30.30
16	OVC	037			10.00		26	12	22	55	6	07	30.22	30.30
19	OVC	033			10.00		26	13	22	58	10	05	30.19	30.28
22	OVC	020			1.50	-SN BR	25	23	24	92	10	05	30.16	30.25
SUNRISE: 0720 JAN 18 SUNSET: 1706														
01	OVC	009			5.00	FZRA BR	29	28	29	96	16	06	30.06	30.14
04	OVC	019			6.00	FZRA BR	31	30	31	96	20	05	29.94	30.03
07	OVC	006			3.00	-SN BR	32	31	32	96	15	03	29.82	29.90
10	OVC	006			1.50	RA BR	34	34	34	100	7	36	29.75	29.83
13	OVC	011			9.00		35	34	35	96	15	33	29.62	29.71
16	OVC	010			6.00	BR	36	33	35	89	14	29	29.62	29.70
19	OVC	010			7.00		35	33	34	92	7	27	29.64	29.72
22	OVC	007			4.00	BR	34	32	33	92	8	28	29.65	29.73
SUNRISE: 0720 JAN 19 SUNSET: 1707														
01	OVC	005			3.00	BR	34	33	34	96	8	29	29.64	29.72
04	OVC	050			5.00	-RA BR	34	34	34	100	5	23	29.65	29.73
07	OVC	019			3.00	BR	34	33	34	96	5	25	29.65	29.74
10	BKN	090			3.00	BR	37	35	36	93	7	28	29.70	29.78
13	SCT	100			10.00		43	36	40	76	14	31	29.67	29.76
16	OVC	095			10.00		42	35	39	76	14	30	29.72	29.81
19	OVC	036			10.00		40	34	37	79	9	28	29.80	29.89
22	BKN	040			10.00		37	31	35	79	9	29	29.86	29.95
SUNRISE: 0719 JAN 20 SUNSET: 1708														
01	CLR	NC			10.00		35	27	32	73	14	31	29.91	30.00
04	CLR	NC			10.00		32	25	29	75	10	32	29.98	30.06
07	CLR	NC			10.00		28	22	26	78	9	30	30.01	30.09
10	CLR	NC			10.00		34	20	29	57	14	33	30.06	30.14
13	CLR	NC			10.00		37	22	32	55	10	33	29.98	30.06
16	CLR	NC			10.00		37	21	31	52	0	00	29.91	30.00
19	BKN	100			10.00		34	22	30	62	6	10	29.85	29.93
22	SCT	045			10.00		33	27	31	79	13	15	29.73	29.83
SUNRISE: 0719 JAN 21 SUNSET: 1709														
01	OVC	030			3.00	-SN BR	33	31	32	92	5	14	29.59	29.68
04	OVC	027			2.00	-SN BR	32	32	32	100	8	29	29.52	29.60
07	CLR	NC			10.00		30	22	27	72	22	30	29.54	29.63
10	CLR	NC			10.00		31	20	27	64	25	29	29.64	29.72
13	BKN	047			10.00		31	17	26	56	25	28	29.65	29.74
16	CLR	NC			10.00		27	6	21	41	22	30	29.72	29.81
19	CLR	NC			10.00		22	4	18	46	14	29	29.85	29.94
22	CLR	NC			10.00		19	4	15	52	14	31	29.91	29.99
SUNRISE: 0718 JAN 22 SUNSET: 1710														
01	CLR	NC			10.00		17	2	14	51	14	31	29.91	30.00
04	CLR	NC			10.00		14	1	11	56	9	30	29.94	30.03
07	CLR	NC			10.00		12	1	10	61	6	30	29.96	30.05
10	CLR	NC			10.00		17	4	14	56	11	33	29.96	30.05
13	CLR	NC			10.00		20	5	16	52	6	34	29.91	29.99
16	CLR	NC			10.00		21	3	17	45	3	32	29.85	29.94
19	CLR	NC			10.00		16	4	13	59	8	30	29.88	29.97
22	CLR	NC			10.00		13	4	11	67	7	30	29.83	29.92
SUNRISE: 0717 JAN 23 SUNSET: 1711														
01	CLR	NC			10.00		13	3	11	64	3	27	29.83	29.92
04	CLR	NC			10.00		12	4	10	70	3	27	29.85	29.94
07	CLR	NC			10.00		14	5	12	67	8	30	29.93	30.01
10	CLR	NC			10.00		23	9	19	55	13	31	30.02	30.11
13	CLR	NC			10.00		25	5	20	42	17	32	30.02	30.11
16	CLR	NC			10.00		25	4	20	40	15	30	30.09	30.18
19	CLR	NC			10.00		20	3	16	47	8	30	30.19	30.27
22	CLR	NC			10.00		18	3	15	52	5	25	30.23	30.32
SUNRISE: 0717 JAN 24 SUNSET: 1712														
01	CLR	NC			10.00		13	3	11	64	6	34	30.31	30.40
04	CLR	NC			10.00		12	2	10	64	8	03	30.33	30.42
07	CLR	NC			10.00		9	-1	7	63	7	04	30.38	30.47
10	CLR	NC			10.00		15	-1	12	49	0	00	30.43	30.52
13	CLR	NC			10.00		20	2	16	45	5	17	30.38	30.47
16	CLR	NC			10.00		23	6	19	48	6	16	30.32	30.41
19	OVC	065			10.00									

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: 0716 JAN 25 SUNSET: 1714														
01	OVC	110			10.00		26	18	23	72	7	17	30.22	30.31
04	OVC	110			10.00		27	18	24	69	0	00	30.17	30.26
07	OVC	120			10.00		27	21	25	78	0	00	30.12	30.21
10	OVC	065			10.00		31	25	29	78	0	00	30.11	30.21
13	BKN	095			10.00		36	25	32	64	3	25	30.06	30.15
16	CLR	NC			10.00		39	24	33	55	0	00	30.03	30.12
19	BKN	050			10.00		34	25	31	70	0	00	30.06	30.15
22	SCT	120			8.00		31	25	29	78	5	02	30.03	30.11
SUNRISE: 0715 JAN 26 SUNSET: 1715														
01	OVC	100			8.00		34	27	31	76	7	05	29.96	30.06
04	OVC	085			8.00		34	26	31	73	5	06	29.98	30.06
07	OVC	013			1.25	-SN BR	32	31	32	96	9	05	29.93	30.01
10	OVC	006			1.00	-SN BR	32	32	32	100	17	05	29.83	29.91
13	OVC	006			1.50	-RA BR	34	32	33	92	22	05	29.67	29.75
16	OVC	008			1.50	-SN BR	33	32	33	96	21	04	29.51	29.59
19	OVC	020			1.50	+RA BR	33	32	33	96	16	36	29.49	29.57
22	OVC	003			0.25	+SN FZFG	31	31	31	100	20	36	29.49	29.58
SUNRISE: 0715 JAN 27 SUNSET: 1716														
01	OVC	065			1.50	UP	32	30	31	92	15	33	29.56	29.64
04	CLR	NC			1.50		31	25	29	78	15	31	29.67	29.77
07	OVC	039			10.00		32	26	30	79	8	31	29.77	29.85
10	SCT	046			10.00		32	23	29	69	11	30	29.83	29.91
13	BKN	036			10.00		35	24	31	64	13	28	29.80	29.89
16	CLR	NC			10.00		34	21	29	59	17	29	29.80	29.88
19	BKN	050			10.00		30	22	27	72	5	23	29.83	29.92
22	CLR	NC			10.00		29	22	27	75	7	22	29.83	29.92
SUNRISE: 0714 JAN 28 SUNSET: 1717														
01	OVC	048			7.00		25	23	24	92	0	00	29.82	29.90
04	OVC	048			9.00		27	24	26	88	0	00	29.80	29.88
07	OVC	040			7.00		29	25	28	85	3	12	29.77	29.85
10	OVC	034			6.00	BR	31	27	30	85	5	16	29.78	29.87
13	OVC	022			2.00	-SN BR	31	29	30	92	13	16	29.73	29.82
16	OVC	022			2.50	-SN BR	32	31	32	96	5	15	29.72	29.80
19	OVC	028			6.00	BR	32	31	32	96	0	00	29.78	29.87
22	OVC	060			3.00	BR	31	31	31	100	5	27	29.82	29.90
SUNRISE: 0713 JAN 29 SUNSET: 1718														
01	OVC	060			4.00	BR	31	30	31	96	5	26	29.83	29.91
04	SCT	060			10.00		29	21	26	72	10	29	29.86	29.95
07	CLR	NC			9.00		25	21	24	85	6	27	29.91	30.00
10	FEW	070			10.00		31	21	28	66	7	26	29.94	30.03
13	FEW	047			10.00		33	20	29	59	6	24	29.88	29.97
16	OVC	065			9.00	UP	33	21	29	61	7	14	29.83	29.91
19	OVC	065			10.00		32	25	29	75	3	15	29.90	29.98
22	OVC	060			10.00		31	25	29	78	3	04	29.91	30.00
SUNRISE: 0712 JAN 30 SUNSET: 1720														
01	FEW	050			7.00		24	22	23	92	0	00	29.93	30.02
04	BKN	050			6.00	BR	25	22	24	88	6	32	29.96	30.05
07	CLR	NC			6.00	BR	21	18	20	88	8	35	29.99	30.09
10	BKN	090			5.00	HZ	32	26	30	79	5	24	30.07	30.16
13	CLR	NC			10.00		39	25	34	57	13	28	30.04	30.13
16	FEW	048			10.00		38	24	33	57	15	32	30.06	30.15
19	FEW	080			10.00		30	21	27	69	5	30	30.12	30.22
22	CLR	NC			10.00		28	20	25	72	3	31	30.20	30.29

WILMINGTON, DE
JANUARY 2011 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: 0711														JAN 31				SUNSET: 1721			
01	CLR	NC			8.00		23	18	21	81	0	00		30.24		30.33					
04	CLR	NC			10.00		22	14	20	71	5	02		30.30		30.39					
07	FEW	090			10.00		19	13	17	77	3	34		30.36		30.45					
10	CLR	NC			10.00		26	13	22	58	9	01		30.41		30.50					
13	CLR	NC			10.00		30	10	24	43	5	09		30.38		30.47					
16	OVC	060			10.00		30	13	25	49	7	08		30.35		30.44					
19	OVC	060			10.00		30	15	25	54	6	07		30.35		30.44					
22	OVC	050			9.00	-SN	30	22	27	72	6	10		30.35		30.43					

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.

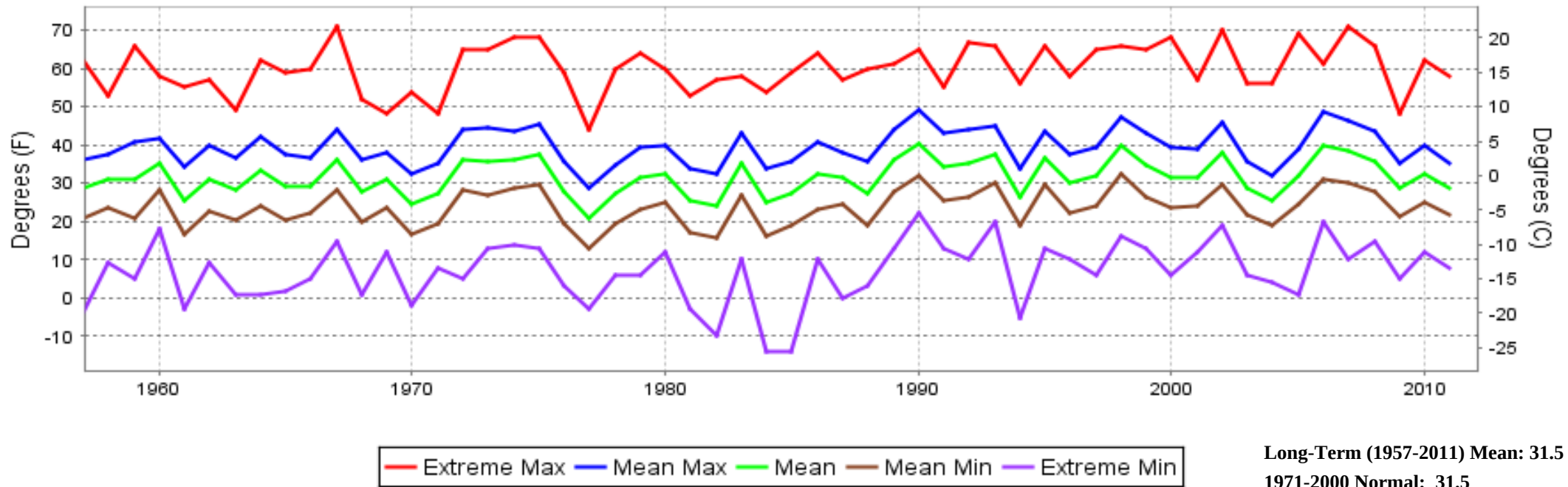
& = Original observation contained additional weather elements.

See page 3 for additional notes.

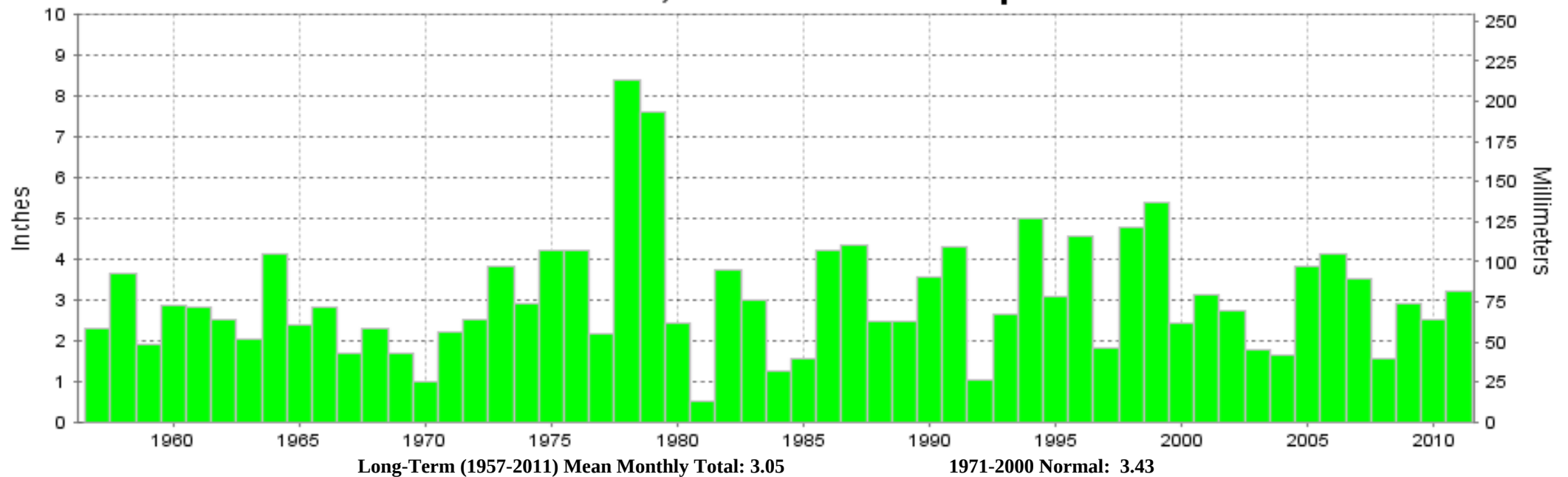
SUMMARY BY HOUR

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			27	20	25	76	29.91	29.99	8.27	7	5	30
02			27	20	25	76	29.92	30.00	8.47	7	5	30
03			27	20	24	76	29.92	30.01	8.44	6	5	31
04			26	19	24	76	29.92	30.01	8.32	7	5	30
05			26	20	24	77	29.92	30.00	8.08	7	5	31
06			26	19	24	77	29.93	30.02	8.09	7	5	30
07			25	19	23	78	29.94	30.03	7.99	7	5	30
08			26	19	24	76	29.95	30.04	7.57	8	5	30
09			27	20	25	73	29.96	30.05	7.93	9	5	30
10			29	20	27	70	29.97	30.06	8.08	10	6	30
11			31	20	27	65	29.96	30.05	8.85	10	6	29
12			32	20	28	63	29.94	30.02	9.16	11	5	29
13			33	20	29	62	29.91	30.00	9.37	11	6	29
14			33	20	29	60	29.90	29.99	9.18	11	6	29
15			34	20	29	59	29.90	29.98	9.16	12	6	29
16			33	19	29	59	29.90	29.99	8.84	10	6	29
17			31	20	28	63	29.91	29.99	9.18	9	4	30
18			30	19	27	65	29.92	30.00	9.27	8	4	30
19			30	19	26	66	29.93	30.01	9.15	7	5	30
20			29	19	26	68	29.93	30.02	8.85	6	5	31
21			28	19	26	69	29.95	30.03	8.52	7	5	30
22			28	20	25	73	29.93	30.02	8.43	7	4	30
23			27	20	25	76	29.93	30.02	8.30	8	4	30
24			27	20	25	75	29.92	30.01	8.52	8	4	31

WILMINGTON, DE JANUARY Temperatures



WILMINGTON, DE JANUARY Precipitation





JANUARY 2011
WILMINGTON, DE

LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

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