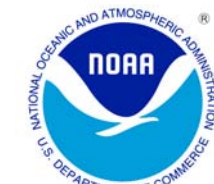




# NOVEMBER 2010 LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

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			
01	52	33	43	-7	27	36	22	0		0		0.0	0.00	30.22	30.34	6.5	35	6.9	20	35	15	35	01	
02	53	29	41	-9	27	35	24	0		0		0.0	0.00	30.35	30.43	3.4	35	4.0	14	01	10	36	02	
03	54	28	41	-9	35	40	24	0		0		0.0	T	30.09	30.14	3.2	14	4.8	16	15	13	18	03	
04	51	46	49	0	46	47	16	0	RA BR	0		0.0	1.67	29.55	29.59	7.8	02	9.3	24	05	18	05	04	
05	56	40	48	-1	39	43	17	0	RA	0		0.0	T	29.50	29.63	7.8	28	8.3	23	26	18	26	05	
06	53	35	44	-5	32	38	21	0		0		0.0	0.00	30.01	30.15	7.6	34	8.3	22	01	17	01	06	
07	52	31	42	-7	27	36	23	0		0		0.0	0.00	30.17	30.24	11.8	32	12.1	32	32	25	33	07	
08	57	38	48	0	29	40	17	0		0		0.0	0.00	29.75	29.81	16.3	31	16.7	38	34	29	32	08	
09	60	42	51	3	37	44	14	0		0		0.0	0.00	29.80	29.91	10.5	34	10.8	25	33	18	34	09	
10	64	39	52	4	40	46	13	0		0		0.0	0.00	29.98	30.09	8.1	34	8.5	23	33	17	33	10	
11	59	35	47	0	26	39	18	0		0		0.0	0.00	30.25	30.36	6.2	02	7.2	26	05	22	05	11	
12	63	32	48	1	21	37	17	0		0		0.0	0.00	30.29	30.38	5.3	01	6.3	16	01	13	02	12	
13	65*	34	50	3	30	41	15	0		0		0.0	0.00	30.12	30.20	2.7	01	3.8	14	06	12	06	13	
14	62	31	47	1	38	43	18	0		0		0.0	0.00	29.99	30.07	1.9	16	3.5	13	15	10	16	14	
15	57	48	53	7	47	49	12	0	FG+ FG BR	0		0.0	0.00	29.93	30.02	1.5	10	2.3	8	06	7	06	15	
16	61	50	56*	10	52	53	9	0	RA FG BR	0		0.0	0.27	29.85	29.91	7.3	12	8.5	39	16	30	16	16	
17	62	47	55	9	41	49	10	0	RA	0		0.0	0.15	29.62	29.76	14.3	25	16.5	40*	28	32*	28	17	
18	57	41	49	4	36	43	16	0	RA	0		0.0	0.01	29.99	30.10	6.8	28	7.3	21	31	18	31	18	
19	50	35	43	-2	31	37	22	0		0		0.0	0.00	30.15	30.25	4.7	31	5.6	17	33	14	32	19	
20	59	36	48	3	35	41	17	0		0		0.0	0.00	30.11	30.21	6.4	28	8.2	28	29	20	29	20	
21	53	36	45	1	33	40	20	0		0		0.0	0.00	30.34	30.43	3.4	07	5.2	16	06	13	05	21	
22	59	45	52	8	46	49	13	0	BR	0		0.0	0.00	30.21	30.27	3.0	16	4.2	12	21	9	21	22	
23	63	40	52	8	44	49	13	0	FG+ FG BR	0		0.0	0.00	29.88	29.96	5.8	26	6.7	25	32	20	31	23	
24	52	37	45	2	24	36	20	0		0		0.0	0.00	30.09	30.21	10.7	31	11.2	29	33	21	32	24	
25	47	37	42	-1	30	37	23	0	RA PL	0		T	0.11	30.06	30.10	2.9	07	5.1	13	09	10	09	25	
26	56	37	47	4	37	44	18	0	RA BR	0		0.0	0.04	29.60	29.68	8.8	26	11.3	28	29	23	28	26	
27	44	30	37	-5	20	31	28	0		0		0.0	0.00	29.78	29.91	13.2	28	13.8	38	28	30	27	27	
28	47	28	38	-4	24	32	27	0		0		0.0	0.00	30.22	30.35	4.2	29	4.5	14	27	10	28	28	
29	48	26*	37*	-4	30	35	28	0	BR HZ	0		0.0	0.00	30.40	30.50	3.3	15	4.1	17	16	14	17	29	
30	60	44	52	11	47	50	13	0	RA	0		0.0	0.04	30.19	30.25	11.1	14	12.5	32	15	24	15	30	

NOVEMBER 2010  
WILMINGTON, DE

55.9			37.0			46.5			☼	34.4		41.3		18.3		0.0		< MONTHLY AVERAGES   TOTALS >				T		2.29		30.02		30.10		3.3		31		7.9		< MONTHLY AVERAGES				
0.9			0.1			0.6				<----- DEPARTURE FROM NORMAL ----->																-0.90				SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
<b>DEGREE DAYS</b>										GREATEST 24-HR PRECIPITATION : 1.67 DATE : 04										SEA LEVEL PRESSURE																				
MONTHLY					SEASON TO DATE					GREATEST 24-HR SNOWFALL : T DATE : 25										MAXIMUM : 30.57 29 0951																				
TOTAL DEPARTURE					TOTAL DEPARTURE					GREATEST SNOW DEPTH : 0 DATE :										MINIMUM : 29.44 05 0351																				
HEATING :		548			-16			800		-113		NUMBER OF -> DAYS WITH		MAXIMUM TEMP >= 90 :		0		MINIMUM TEMP <= 32 :		8		PRECIPITATION >= 0.01 INCH :		7																
COOLING :		0			-1			1543		418		MAXIMUM TEMP <= 32 :		0		MINIMUM TEMP <= 0 :		0		PRECIPITATION >= 0.10 INCH :		4																		
												THUNDERSTORMS :		0		HEAVY FOG :		2		SNOWFALL >= 1.0 INCH :		0																		

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE (KILG)  
NOVEMBER 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													02												02	0.00	0.00				
03													03											T	03	T	T				
04	0.05	0.04	0.08	0.06	0.09	0.10	0.07	0.17	0.09	0.28	0.20	0.13	04	0.05	0.06	0.09	0.06	0.04	0.01					T	04	1.67	1.67				
05			T	T	T	T							05												05	T	T				
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												11	0.00	0.00				
12													12												12	0.00	0.00				
13													13												13	0.00	0.00				
14													14												14	0.00	0.00				
15													15												15	0.00	0.00				
16	0.02	0.04	0.01		0.01	0.01	0.01	T	T	0.01	0.01	T	16	0.01	T	T	T	0.01	0.02					T	0.08	0.03	T	T	16	0.27	0.27
17	0.04	0.01	0.05	0.05									17												17	0.15	0.15				
18													18			T			T	0.01				18	0.01	0.01					
19													19												19	0.00	0.00				
20													20												20	0.00	0.00				
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										0.01	0.03	T	0.03	25	0.04		T	T						25	0.11	0.11					
26					0.01	0.02		T	T	0.01			26											26	0.04	0.04					
27													27											27	0.00	0.00					
28													28											28	0.00	0.00					
29													29											29	0.00	0.00					
30											T	T	30	T									T	0.01	T	0.03	30	0.04	0.04		

\* 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)	0.04	0.07	0.09	0.13	0.18	0.25	0.31	0.38	0.45	0.49	0.55	0.62
Ending Date	17	04	04	04	04	04	04	04	04	04	04	04
Ending Time (Hr/Min)	0240	1005	1008	1001	1003	1011	1023	1042	1048	1114	1143	1045

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 NOVEMBER 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							10.00	10.00	
03							9.00	10.00	
04							1.50	10.00	
05							8.00	10.00	
06							10.00	10.00	
07							10.00	10.00	
08							10.00	10.00	
09							10.00	10.00	
10							9.00	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							9.00	10.00	
15							0.25	10.00	
16							0.50	10.00	
17							7.00	10.00	
18							9.00	10.00	
19							10.00	10.00	
20							8.00	10.00	
21							8.00	10.00	
22							0.75	10.00	
23							0.25	10.00	
24							10.00	10.00	
25							7.00	10.00	
26							3.00	10.00	
27							10.00	10.00	
28							8.00	10.00	
29							5.00	10.00	
30							8.00	10.00	
MONTHLY AVGS							7.38	10.00	
<b>SUNSHINE (Minutes)</b>									
Total : 0					Possible : 18011				
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				
2		6			23				

# OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE  
NOVEMBER 2010 KILG

WBAN # 13781

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)					
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	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	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
<b>SUNRISE: 0631 NOV 01</b>						<b>SUNSET: 1701</b>						<b>SUNRISE: 0637 NOV 07</b>						<b>SUNSET: 1655</b>											
01	CLR	NC			10.00	35	30	33	82	3	32	30.12	30.20	01	CLR	NC			10.00	39	28	35	65	11	35	30.22	30.30		
04	OVC	065			10.00	35	30	33	82	3	33	30.19	30.27	04	CLR	NC			10.00	35	28	32	76	7	33	30.24	30.32		
07	CLR	NC			10.00	36	27	33	70	3	31	30.24	30.32	07	CLR	NC			10.00	31	26	29	82	7	31	30.28	30.37		
10	CLR	NC			10.00	46	27	38	48	8	35	30.28	30.37	10	CLR	NC			10.00	44	27	37	51	15	34	30.25	30.34		
13	CLR	NC			10.00	50	25	40	38	6	36	30.25	30.33	13	CLR	NC			10.00	50	24	40	36	17	32	30.14	30.22		
16	CLR	NC			10.00	51	25	40	36	9	33	30.25	30.34	16	CLR	NC			10.00	47	27	39	46	16	32	30.10	30.19		
19	CLR	NC			10.00	42	28	36	58	5	33	30.30	30.39	19	CLR	NC			10.00	42	27	36	55	7	30	30.06	30.15		
22	CLR	NC			10.00	39	27	34	62	7	36	30.36	30.45	22	OVC	120			10.00	43	30	38	60	11	32	30.01	30.09		
<b>SUNRISE: 0632 NOV 02</b>						<b>SUNSET: 1660</b>						<b>SUNRISE: 0639 NOV 08</b>						<b>SUNSET: 1654</b>											
01	CLR	NC			10.00	36	27	33	70	8	35	30.36	30.45	01	CLR	NC			10.00	39	30	35	70	10	32	29.93	30.02		
04	CLR	NC			10.00	30	26	29	85	3	32	30.38	30.46	04	CLR	NC			10.00	40	27	35	60	17	30	29.86	29.95		
07	CLR	NC			10.00	31	25	29	78	6	33	30.41	30.50	07	CLR	NC			10.00	40	25	34	55	15	30	29.78	29.87		
10	CLR	NC			10.00	46	27	38	48	8	36	30.40	30.49	10	CLR	NC			10.00	49	30	41	48	22	30	29.72	29.80		
13	CLR	NC			10.00	50	26	40	39	5	27	30.35	30.43	13	CLR	NC			10.00	57	30	45	36	20	31	29.64	29.72		
16	CLR	NC			10.00	52	24	41	34	5	36	30.29	30.37	16	FEW	070			10.00	53	29	43	40	20	32	29.64	29.71		
19	CLR	NC			10.00	45	28	38	51	0	00	30.29	30.38	19	SCT	055			10.00	52	29	42	41	13	33	29.67	29.75		
22	CLR	NC			10.00	37	32	35	82	0	00	30.27	30.36	22	OVC	048			10.00	48	30	40	50	13	33	29.70	29.78		
<b>SUNRISE: 0633 NOV 03</b>						<b>SUNSET: 1659</b>						<b>SUNRISE: 0640 NOV 09</b>						<b>SUNSET: 1653</b>											
01	CLR	NC			9.00	34	30	32	85	0	00	30.24	30.32	01	OVC	055			10.00	47	32	41	56	10	34	29.72	29.81		
04	CLR	NC			10.00	32	29	31	89	0	00	30.19	30.28	04	CLR	NC			10.00	45	34	40	65	11	33	29.77	29.84		
07	CLR	NC			10.00	30	28	29	92	3	33	30.19	30.27	07	CLR	NC			10.00	42	34	39	73	7	31	29.80	29.89		
10	CLR	NC			10.00	48	36	43	63	0	00	30.15	30.24	10	CLR	NC			10.00	52	36	45	55	13	33	29.85	29.93		
13	FEW	041			10.00	52	37	45	57	9	14	30.04	30.13	13	CLR	NC			10.00	58	37	48	46	11	34	29.82	29.90		
16	CLR	NC			10.00	53	38	46	57	10	16	29.96	30.05	16	CLR	NC			10.00	57	40	49	53	11	34	29.83	29.91		
19	CLR	NC			10.00	48	39	44	71	6	13	29.93	30.02	19	CLR	NC			10.00	51	39	45	64	16	35	29.88	29.96		
22	OVC	110			10.00	49	41	45	74	5	11	29.90	29.97	22	CLR	NC			10.00	46	39	43	77	7	34	29.90	29.98		
<b>SUNRISE: 0634 NOV 04</b>						<b>SUNSET: 1658</b>						<b>SUNRISE: 0641 NOV 10</b>						<b>SUNSET: 1652</b>											
01	OVC	026			6.00	48	44	46	86	5	05	29.82	29.89	01	CLR	NC			10.00	47	40	44	77	7	34	29.91	30.00		
04	OVC	005			4.00	49	47	48	93	9	05	29.69	29.77	04	CLR	NC			10.00	45	39	42	80	10	32	29.93	30.01		
07	OVC	003			6.00	50	48	49	93	14	06	29.59	29.67	07	CLR	NC			10.00	46	39	43	77	10	32	29.98	30.06		
10	OVC	014			2.00	51	49	50	93	9	03	29.53	29.61	10	OVC	037			10.00	54	41	48	62	15	35	30.01	30.09		
13	OVC	022			4.00	49	47	48	93	9	36	29.43	29.51	13	BKN	042			10.00	62	42	52	48	9	36	29.98	30.06		
16	OVC	013			9.00	47	44	46	89	8	36	29.41	29.49	16	OVC	048			10.00	62	41	51	46	10	01	30.01	30.09		
19	OVC	020			8.00	46	45	46	96	7	34	29.41	29.49	19	CLR	NC			10.00	52	41	47	66	0	00	30.06	30.14		
22	OVC	024			10.00	47	44	46	89	7	30	29.41	29.49	22	CLR	NC			10.00	42	36	39	79	3	34	30.12	30.20		
<b>SUNRISE: 0635 NOV 05</b>						<b>SUNSET: 1657</b>						<b>SUNRISE: 0642 NOV 11</b>						<b>SUNSET: 1651</b>											
01	BKN	110			8.00	47	44	46	89	5	32	29.39	29.46	01	CLR	NC			10.00	42	34	39	73	6	35	30.15	30.24		
04	BKN	100			10.00	45	42	44	89	8	29	29.36	29.44	04	CLR	NC			10.00	41	27	36	58	7	36	30.19	30.28		
07	OVC	075			10.00	45	41	43	86	8	28	29.41	29.49	07	CLR	NC			10.00	40	25	34	55	8	01	30.27	30.35		
10	OVC	029			10.00	48	40	44	74	11	28	29.48	29.56	10	CLR	NC			10.00	50	26	40	39	11	06	30.31	30.40		
13	BKN	043			10.00	52	38	45	59	16	29	29.52	29.60	13	CLR	NC			10.00	56	24	43	29	6	02	30.28	30.37		
16	BKN	055			10.00	54	37	46	53	10	28	29.59	29.67	16	CLR	NC			10.00	58	25	44	28	8	35	30.30	30.38		
19	CLR	NC			10.00	48	36	43	63	3	24	29.70	29.79	19	CLR	NC			10.00	49	26	40	41	0	00	30.32	30.41		
22	CLR	NC			10.00	44	36	40	74	3	26	29.82	29.90	22	CLR	NC			10.00	35	28	32	76	7	33	30.35	30.43		
<b>SUNRISE: 0636 NOV 06</b>						<b>SUNSET: 1656</b>						<b>SUNRISE: 0643 NOV 12</b>						<b>SUNSET: 1650</b>											
01	CLR	NC			10.00	42	34	39	73	9	32	29.85	29.93	01	CLR	NC			10.00	39	25	34	57	5	33	30.33	30.42		
04	BKN	070			10.00	37	32	35	82	6	31	29.93	30.01	04	CLR	NC			10.00	38	20	32	48	8	36	30.35	30.42		
07	FEW	039			10.00	37	32	35	82	7	34	30.01	30.10	07	CLR	NC			10.00	34	21	30	59	7	34	30.32	30.41		
10	CLR	NC			10.00	47	33	41	58	13	03	30.06	30.14	10	CLR	NC			10.00	54	18	40	24	9	02	30.35	30.43		
13	CLR	NC			10.00	52	32	43	47	9	36	30.06	30.14	13	CLR	NC			10.00	62	17	44	17	8	04	30.29	30.37		
16	SCT	049			10.00	51	31	42	46	13	36	30.09	30.18	16	CLR	NC			10.00	61	16	43	17	6	06	30.25	30.34		
19	BKN	044			10.00	43	31	38	63	8	32	30.17	30.26	19	CLR	NC			10.00	48	23	38	37	3	35	30.25	30.34		
22	CLR	NC			10.00	37	29	34	73	6	34	30.20	30.29	22	CLR	NC			10.00	37	28	34	70	8	32	30.24	30.33		

# OBSERVATIONS AT 3-HOURLY INTERVALS

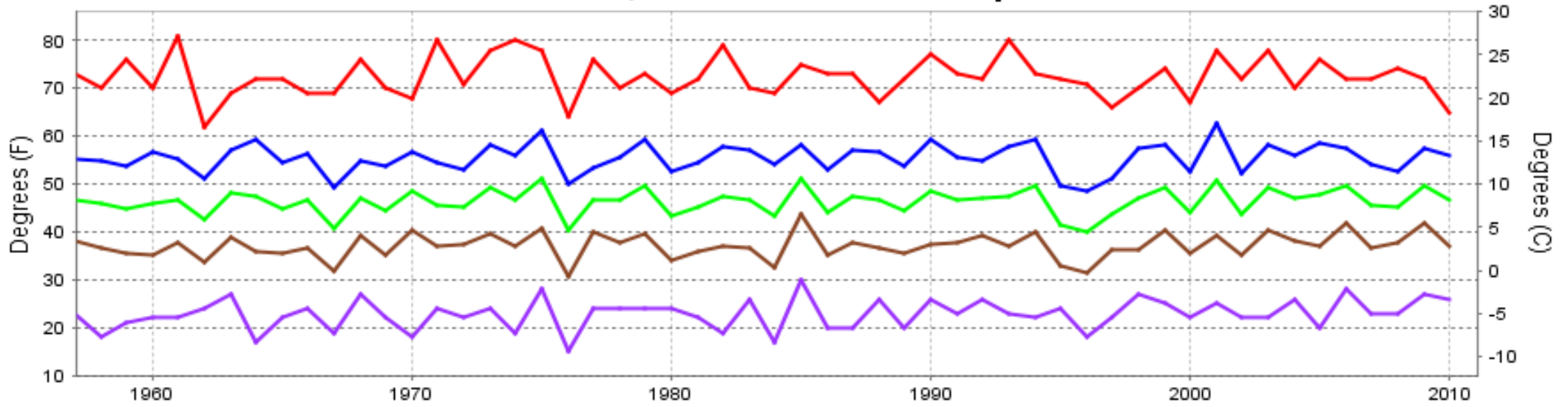
# WILMINGTON, DE NOVEMBER 2010 KILG

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)		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		Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL	
																												Observation Time (LST)
<b>SUNRISE: 0644 NOV 13</b>						<b>SUNSET: 1649</b>						<b>SUNRISE: 0651 NOV 19</b>						<b>SUNSET: 1644</b>										
01	CLR	NC				39	25	34	57	6	35	30.20	30.29	01	CLR	NC				42	33	38	71	9	31	30.09	30.17	
04	CLR	NC				39	23	33	53	5	34	30.19	30.27	04	CLR	NC				41	32	37	70	3	29	30.12	30.20	
07	CLR	NC				38	24	33	57	6	35	30.17	30.25	07	CLR	NC				38	31	35	76	5	30	30.17	30.26	
10	CLR	NC				58	28	45	32	6	02	30.16	30.24	10	FEW	030				47	34	41	61	10	33	30.22	30.30	
13	CLR	NC				63	33	49	33	3	07	30.09	30.17	13	OVC	046				48	30	40	50	9	31	30.19	30.28	
16	CLR	NC				63	33	49	33	5	11	30.04	30.13	16	CLR	NC				48	28	40	46	7	34	30.16	30.25	
19	CLR	NC				49	34	42	56	0	00	30.04	30.13	19	CLR	NC				42	30	37	63	0	00	30.17	30.27	
22	CLR	NC				46	39	43	77	0	00	30.04	30.13	22	CLR	NC				36	29	33	76	0	00	30.19	30.26	
<b>SUNRISE: 0645 NOV 14</b>						<b>SUNSET: 1648</b>						<b>SUNRISE: 0652 NOV 20</b>						<b>SUNSET: 1644</b>										
01	CLR	NC				38	34	36	86	0	00	30.03	30.12	01	CLR	NC				39	29	35	67	8	20	30.14	30.22	
04	CLR	NC				36	33	35	89	3	30	30.01	30.10	04	CLR	NC				38	32	36	79	6	20	30.09	30.18	
07	CLR	NC				34	32	33	92	3	33	30.02	30.11	07	CLR	NC				38	34	36	86	3	25	30.09	30.18	
10	CLR	NC				51	41	46	69	3	10	30.03	30.12	10	CLR	NC				52	38	45	59	11	25	30.10	30.19	
13	CLR	NC				60	36	49	41	5	18	29.98	30.07	13	FEW	047				58	37	48	46	16	29	30.07	30.16	
16	CLR	NC				59	36	48	42	9	17	29.96	30.03	16	CLR	NC				55	38	47	53	7	31	30.10	30.19	
19	CLR	NC				50	43	47	77	8	14	29.94	30.03	19	CLR	NC				47	38	43	71	9	30	30.15	30.24	
22	FEW	014				46	43	45	89	0	00	29.96	30.03	22	CLR	NC				45	36	41	71	8	32	30.22	30.29	
<b>SUNRISE: 0647 NOV 15</b>						<b>SUNSET: 1647</b>						<b>SUNRISE: 0653 NOV 21</b>						<b>SUNSET: 1643</b>										
01	OVC	003			3.00	BR	49	47	48	93	0	00	29.93	30.02	01	CLR	NC				43	35	40	73	7	35	30.27	30.35
04	VV	001			0.25	FG	48	47	48	96	3	10	29.93	30.01	04	CLR	NC				40	32	37	73	3	03	30.31	30.40
07	OVC	003			3.00	BR	49	48	48	96	3	15	29.94	30.02	07	CLR	NC				38	31	35	76	5	02	30.35	30.44
10	OVC	005			6.00	BR	50	48	49	93	5	15	29.96	30.05	10	CLR	NC				46	29	39	52	8	06	30.42	30.50
13	BKN	014			10.00		53	46	49	77	0	00	29.93	30.02	13	CLR	NC				51	29	42	43	3	14	30.38	30.47
16	CLR	NC			10.00		54	46	50	75	6	04	29.93	30.01	16	CLR	NC				52	32	43	47	3	12	30.35	30.43
19	CLR	NC			9.00		50	45	48	83	0	00	29.94	30.02	19	CLR	NC				46	38	42	74	5	11	30.35	30.44
22	OVC	006			2.50	BR	50	48	49	93	0	00	29.96	30.03	22	OVC	036				44	37	41	77	5	07	30.35	30.43
<b>SUNRISE: 0648 NOV 16</b>						<b>SUNSET: 1647</b>						<b>SUNRISE: 0654 NOV 22</b>						<b>SUNSET: 1643</b>										
01	OVC	006			0.50	-RA BR	51	50	50	96	0	00	29.93	30.02	01	OVC	042				46	39	43	77	3	12	30.31	30.40
04	OVC	002			0.50	BR	51	50	50	96	3	09	29.93	30.02	04	OVC	030				48	43	46	83	5	10	30.30	30.38
07	OVC	002			0.50	-RA BR	51	49	50	93	3	11	29.96	30.04	07	OVC	005				48	45	47	89	3	11	30.28	30.37
10	OVC	004			0.50	BR	52	50	51	93	5	09	29.96	30.04	10	OVC	003			BR	50	47	49	90	8	21	30.27	30.35
13	OVC	060			2.00	BR	54	51	52	90	9	09	29.86	29.94	13	CLR	NC				56	49	52	78	8	18	30.19	30.27
16	SCT	100			10.00		56	52	54	87	6	10	29.78	29.87	16	CLR	NC				58	49	53	72	6	16	30.11	30.20
19	OVC	090			10.00		57	51	54	80	9	10	29.69	29.77	19	CLR	NC				52	48	50	86	3	15	30.09	30.17
22	OVC	012			10.00		60	57	58	90	22	16	29.61	29.69	22	CLR	NC			BR	50	47	49	90	5	20	30.06	30.14
<b>SUNRISE: 0649 NOV 17</b>						<b>SUNSET: 1646</b>						<b>SUNRISE: 0655 NOV 23</b>						<b>SUNSET: 1642</b>										
01	OVC	004			7.00	-RA	59	58	58	97	14	16	29.49	29.57	01	FEW	001				46	46	46	100	0	00	30.01	30.09
04	SCT	110			10.00		57	52	54	83	7	19	29.44	29.52	04	VV	001			FG	42	42	42	100	0	00	29.96	30.04
07	CLR	NC			10.00		55	50	52	83	11	23	29.49	29.57	07	CLR	NC			BR	41	40	41	96	0	00	29.91	29.99
10	SCT	050			10.00		58	38	48	48	24	27	29.62	29.71	10	CLR	NC				57	50	53	78	7	24	29.88	29.96
13	OVC	060			10.00		59	36	48	42	25	27	29.65	29.74	13	OVC	055				61	49	55	65	10	26	29.83	29.91
16	SCT	060			10.00		57	32	46	39	20	28	29.75	29.83	16	CLR	NC				61	50	55	67	8	25	29.80	29.88
19	CLR	NC			10.00		52	33	44	49	11	26	29.86	29.95	19	CLR	NC				62	46	54	56	10	26	29.82	29.90
22	CLR	NC			10.00		49	34	42	56	10	26	29.93	30.01	22	CLR	NC				55	43	49	64	13	30	29.88	29.96
<b>SUNRISE: 0650 NOV 18</b>						<b>SUNSET: 1645</b>						<b>SUNRISE: 0657 NOV 24</b>						<b>SUNSET: 1642</b>										
01	CLR	NC			10.00		47	34	41	61	10	26	29.96	30.05	01	CLR	NC				50	24	40	36	15	31	29.96	30.04
04	CLR	NC			10.00		44	34	40	68	7	27	30.01	30.09	04	CLR	NC				41	27	36	58	10	31	30.03	30.12
07	CLR	NC			10.00		42	34	39	73	8	26	30.03	30.12	07	CLR	NC				38	22	32	53	8	32	30.14	30.22
10	CLR	NC			10.00		53	37	46	55	10	28	30.06	30.14	10	CLR	NC				44	23	36	44	20	32	30.16	30.25
13	CLR	NC			10.00		55	37	47	51	8	29	29.99	30.08	13	CLR	NC				47	22	37	37	13	33	30.15	30.23
16	OVC	080			10.00		53	37	46	55	7	26	29.98	30.06	16	CLR	NC				48	22	38	36	10	32	30.14	30.23
19	OVC	090			9.00		48	41	45	77	0	00	30.01	30.10	19	CLR	NC				43	24	36	47	9	29	30.17	30.26
22	OVC	100			10.00		47	36	42	66	8	29	30.06	30.14	22	CLR	NC				41	26	35	55	6	34	30.14	30.23



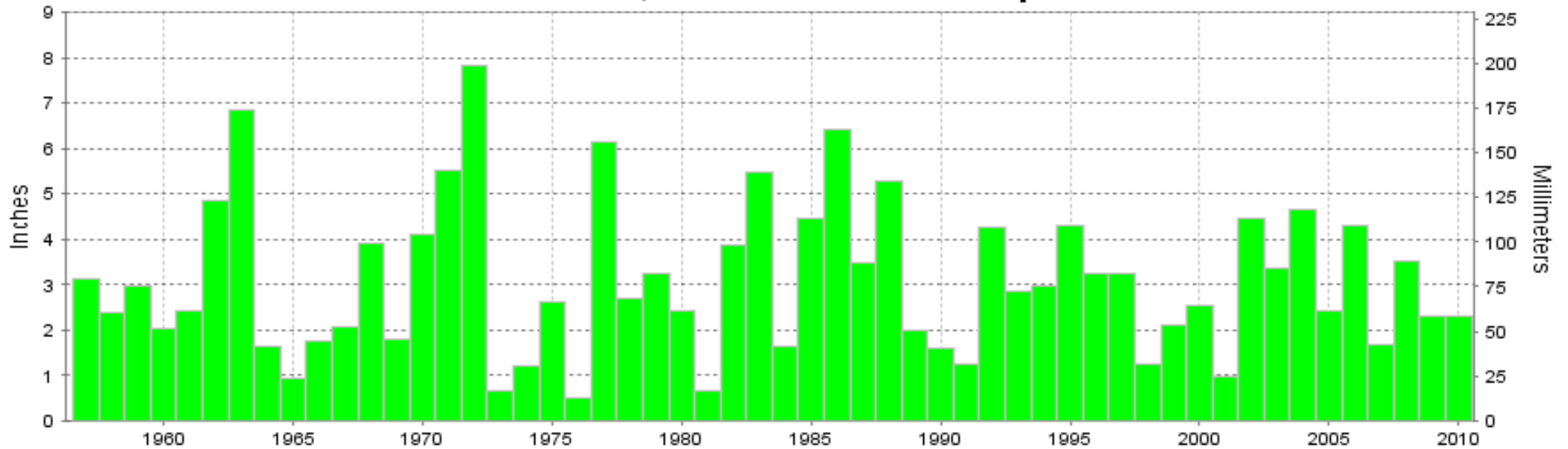
## WILMINGTON, DE NOVEMBER Temperatures



— Extreme Max — Mean Max — Mean — Mean Min — Extreme Min

Long-Term (1957-2010) Mean: 46.3  
1971-2000 Normal: 45.9

## WILMINGTON, DE NOVEMBER Precipitation



Long-Term (1957-2010) Mean Monthly Total: 3.09

1971-2000 Normal: 3.19



NOVEMBER 2010  
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.*

**DIRECTOR**

NCDC now offers an annual online subscription for the **Edited Local Climatological Data Publication**. When you purchase this subscription service, you will have **immediate online access** to all previous publications back to July 1996 and all publications thereafter until the expiration of the subscription. Your subscription is valid for one year after purchase. **The total cost for online delivery (including back issues) is significantly less than the cost for offline delivery.**

To order this and other subscriptions online with your credit card, go to: [www.ncdc.noaa.gov](http://www.ncdc.noaa.gov) and choose subscriptions.

We welcome your questions or comments, please contact us at:

Toll Free Number (866) 742-3322 (voice)

Fax Number : (304) 726-4409

TDD : (828) 271-4010

or Email : [ncdc.info@noaa.gov](mailto:ncdc.info@noaa.gov)

Local Climatological Data is available at [www.ncdc.noaa.gov](http://www.ncdc.noaa.gov)

NCDC Subscription Services Center  
310 State Route 956 Building 300  
Rocket Center, WV 26726  
OFFICIAL BUSINESS, PENALTY FOR PRIVATE USE \$300

FIRST CLASS  
POSTAGE AND FEES PAID  
NOAA  
PERMIT G-19

For address correction, please return a photocopy of this page to Subscription Services indicating changes