



OCTOBER 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	1300 LST	2400 LST	2400 LST	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM					
																			3-SEC		2-MIN			
20	21	22	23	24																				
01	72	54	63	1	53	58	2	0	RA BR	0		0.0	3.26	29.59	29.70	13.3	33	13.8	38	33	26	35	01	
02	69	46	58	-3	44	51	7	0		0		0.0	0.00	29.88	29.99	3.8	33	4.6	15	01	12	01	02	
03	66	48	57	-4	47	51	8	0	RA	0		0.0	0.05	29.96	30.05	13.4	04	13.8	32	05	26	04	03	
04	53	50	52	-9	48	49	13	0	RA BR	0		0.0	0.52	29.99	30.07	12.7	35	13.2	26	35	20	34	04	
05	58	50	54	-6	48	51	11	0	RA BR	0		0.0	0.12	29.95	30.03	8.5	29	9.0	21	29	17	29	05	
06	62	49	56	-4	47	50	9	0	RA	0		0.0	T	29.83	29.89	7.1	24	7.4	21	26	16	25	06	
07	74	50	62	3	48	54	3	0		0		0.0	0.00	29.69	29.80	10.5	27	11.3	31	32	24	31	07	
08	76	48	62	3	46	53	3	0		0		0.0	0.00	29.89	29.97	5.7	26	6.3	20	27	15	27	08	
09	79	51	65	7	46	54	0	0		0		0.0	0.00	29.85	29.95	4.9	32	6.1	18	32	15	32	09	
10	71	46	59	1	42	51	6	0		0		0.0	0.00	29.85	29.91	2.7	26	3.6	18	25	14	25	10	
11	82*	55	69	11	56	61	0	4		0		0.0	0.00	29.72	29.81	2.6	25	4.3	16	22	14	34	11	
12	76	55	66	9	56	60	0	1	RA BR VCTS	0		0.0	0.03	29.71	29.82	2.7	35	5.1	20	02	16	03	12	
13	65	44	55	-2	39	47	10	0		0		0.0	0.00	29.92	30.02	2.9	02	4.0	23	02	20	02	13	
14	57	44	51	-5	47	48	14	0	RA BR	0		0.0	0.73	29.79	29.85	3.0	35	5.5	17	29	14	30	14	
15	64	46	55	-1	38	47	10	0		0		0.0	0.00	29.57	29.66	14.7	29	15.2	37	28	29	29	15	
16	64	45	55	-1	35	46	10	0		0		0.0	0.00	29.77	29.89	13.4	31	13.7	39*	32	30*	32	16	
17	74	38	56	1	42	49	9	0		0		0.0	0.00	29.85	29.93	6.1	28	7.2	30	30	22	28	17	
18	65	43	54	-1	39	48	11	0	RA	0		0.0	T	29.88	29.97	3.2	33	4.0	21	29	13	29	18	
19	59	46	53	-1	47	49	12	0	RA BR	0		0.0	0.27	29.85	29.94	2.0	35	3.4	12	02	9	03	19	
20	61	43	52	-2	46	49	13	0	BR HZ	0		0.0	0.00	29.82	29.89	2.5	20	3.3	12	19	10	18	20	
21	67	39	53	-1	41	48	12	0	RA BR	0		0.0	T	29.63	29.73	6.7	27	9.0	29	32	22	32	21	
22	57	38	48	-5	32	41	17	0		0		0.0	0.00	29.95	30.07	9.7	30	10.2	35	30	28	29	22	
23	67	37	52	-1	37	46	13	0		0		0.0	0.00	30.10	30.19	6.4	24	6.6	26	25	20	24	23	
24	71	50	61	8	49	54	4	0		0		0.0	0.00	30.01	30.09	1.8	22	2.5	13	21	10	21	24	
25	75	49	62	10	57	60	3	0		0		0.0	0.00	29.84	29.91	8.5	20	8.9	29	22	22	21	25	
26	70	60	65	13	61	63	0	0	BR	0		0.0	0.00	29.78	29.87	8.0	18	8.8	21	16	17	16	26	
27	77	65	71*	19	67	68	0	6	RA FG+ FG BR	0		0.0	0.50	29.78	29.88	7.4	20	7.9	36	19	23	20	27	
28	76	51	64	12	49	58	1	0	FG+ FG BR	0		0.0	0.00	29.79	29.89	8.6	28	10.4	31	32	24	31	28	
29	58	43	51	0	34	43	14	0		0		0.0	0.00	29.95	30.06	13.6	31	13.9	36	29	28	31	29	
30	57	37*	47*	-4	33	41	18	0		0		0.0	0.00	29.98	30.04	7.7	22	8.6	21	21	17	21	30	
31	63	38	51	0	34	43	14	0		0		0.0	0.00	29.80	29.93	6.7	31	8.5	29	31	23	31	31	
										< MONTHLY AVERAGES TOTALS >				0.0	5.48	29.83	29.92	4.5	29	8.1	< MONTHLY AVERAGES			
										<-----DEPARTURE FROM NORMAL ----->				2.40		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3								
DEGREE DAYS										GREATEST 24-HR PRECIPITATION : 3.26 DATE : 01				SEA LEVEL PRESSURE				DATE TIME						
MONTHLY										GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.24				23 0956						
SEASON TO DATE										GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.51				01 0251						
TOTAL DEPARTURE										NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 0		MINIMUM TEMP <= 32 : 0		PRECIPITATION >= 0.01 INCH: 8						
HEATING : 247 -50 252 -97										THUNDERSTORMS : 0		MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH: 6								
COOLING : 11 -5 1543 419														HEAVY FOG : 2		SNOWFALL >= 1.0 INCH : 0								

OCTOBER 2010
WILMINGTON, DE

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE (KILG)
OCTOBER 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	1.64	1.08	0.39	0.12	T	0.03	T		T	T			01											01	3.26	3.26		
02													02											02	0.00	0.00		
03													03				T	T	T	0.01	T	0.02	0.02	T	03	0.05	0.05	
04	0.08	T	0.05	0.04	0.02	T	T	T	T	T	0.02	0.02	04	0.06	0.03	0.02	0.01	0.01						04	0.52	0.52		
05			T	T	0.03	0.01	0.08	T					05						0.06	T	0.06	0.04		05	0.12	0.12		
06													06								T			06	T	T		
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				T	0.01	T	0.02	T					12											12	0.03	0.03		
13													13											13	0.00	0.00		
14													14	0.09	0.06	0.13	0.10	0.07	0.05	T				14	0.73	0.73		
15													15											15	0.00	0.00		
16													16											16	0.00	0.00		
17													17											17	0.00	0.00		
18													18									T	T	18	T	T		
19	T	0.01	0.05	0.06	0.08	0.03	0.03	0.01					19											19	0.27	0.27		
20													20											20	0.00	0.00		
21													21	T										21	T	T		
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													26											26	0.00	0.00		
27	T	0.02	0.06	0.03	0.01	0.05	0.09	0.01	T	0.02	T		27	T	0.07	0.01							T	0.13	0.50	0.50		
28													28											28	0.00	0.00		
29													29											29	0.00	0.00		
30													30											30	0.00	0.00		
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)	0.19	0.36	0.49	0.60	0.92	1.26	1.65	2.04	2.26	2.75	3.03	3.11
Ending Date	01	01	01	01	01	01	01	01	01	01	01	01
Ending Time (Hr/Min)	0057	0057	0057	0059	0057	0056	0101	0121	0202	0203	0229	0258

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 OCTOBER 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							1.00	10.00	
02							10.00	10.00	
03							10.00	10.00	
04							1.50	10.00	
05							6.00	10.00	
06							10.00	10.00	
07							10.00	10.00	
08							10.00	10.00	
09							10.00	10.00	
10							10.00	10.00	
11							7.00	10.00	
12							6.00	10.00	
13							10.00	10.00	
14							3.00	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							4.00	10.00	
20							0.25	10.00	
21							3.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							8.00	10.00	
25							9.00	10.00	
26							6.00	10.00	
27							0.25	10.00	
28							0.50	10.00	
29							10.00	10.00	
30							10.00	10.00	
31							10.00	10.00	
MONTHLY AVGS							7.27	10.00	
SUNSHINE (Minutes)									
Total : 0					Possible : 20712				
Percent Possible : 0									
NUMBER OF DAYS WITH : SKY CONDITION									
Clear		Partly CLDY			Cloudy			Missing	
MINIMUM VISIBILITY (MILES)									
<= .25		<= 3.0			>= 7.0				
2		7			20				

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE
OCTOBER 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)	Eff Cld Amt Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	STATION
SUNRISE: 0558						OCT 01						SUNSET: 1745						SUNRISE: 0604						OCT 07						SUNSET: 1736					
01	OVC	023			1.00	+RA BR	66	65	65	97	20	32	29.48	29.56	01	FEW	120			10.00			52	48	50	86	9	25	29.67	29.75					
04	OVC	048			10.00	-RA	62	60	61	93	10	36	29.46	29.54	04	FEW	080			10.00			50	48	49	93	9	24	29.67	29.75					
07	OVC	032			10.00		61	57	59	87	21	33	29.54	29.62	07	CLR	NC			10.00			53	49	51	86	10	24	29.70	29.78					
10	OVC	048			10.00		63	57	60	81	14	33	29.59	29.67	10	CLR	NC			10.00			65	50	57	59	11	29	29.70	29.79					
13	OVC	035			10.00		68	54	60	61	14	34	29.61	29.69	13	CLR	NC			10.00			71	48	58	44	15	31	29.67	29.74					
16	SCT	049			10.00		71	49	59	46	21	33	29.65	29.73	16	CLR	NC			10.00			71	46	57	41	18	31	29.69	29.77					
19	CLR	NC			10.00		60	48	54	65	8	32	29.72	29.80	19	CLR	NC			10.00			62	46	54	56	7	25	29.75	29.84					
22	CLR	NC			10.00		56	47	51	72	8	32	29.78	29.87	22	CLR	NC			10.00			60	47	53	62	10	27	29.83	29.92					
SUNRISE: 0559						OCT 02						SUNRISE: 0605						OCT 08						SUNSET: 1734											
01	CLR	NC			10.00		52	44	48	74	7	32	29.83	29.91	01	CLR	NC			10.00			53	44	49	72	7	30	29.91	29.99					
04	CLR	NC			10.00		50	44	47	80	3	28	29.86	29.95	04	CLR	NC			10.00			50	43	47	77	5	29	29.93	30.01					
07	CLR	NC			10.00		50	44	47	80	7	32	29.93	30.01	07	CLR	NC			10.00			50	44	47	80	5	27	29.94	30.03					
10	CLR	NC			10.00		62	44	53	52	7	01	29.93	30.01	10	CLR	NC			10.00			67	43	54	42	11	31	29.96	30.04					
13	CLR	NC			10.00		67	42	54	40	6	36	29.91	29.99	13	CLR	NC			10.00			73	44	57	35	10	26	29.88	29.97					
16	CLR	NC			10.00		68	41	54	38	5	35	29.88	29.97	16	CLR	NC			10.00			74	47	59	38	10	24	29.83	29.92					
19	CLR	NC			10.00		61	44	52	54	0	00	29.91	29.99	19	CLR	NC			10.00			64	49	56	58	6	23	29.83	29.92					
22	CLR	NC			10.00		54	49	51	83	0	00	29.93	30.02	22	CLR	NC			10.00			57	51	54	80	0	00	29.85	29.93					
SUNRISE: 0600						OCT 03						SUNRISE: 0606						OCT 09						SUNSET: 1733											
01	CLR	NC			10.00		51	48	49	90	3	03	29.93	30.02	01	CLR	NC			10.00			54	47	50	77	5	27	29.85	29.93					
04	CLR	NC			10.00		49	46	48	89	6	01	29.94	30.03	04	CLR	NC			10.00			52	47	49	83	5	26	29.83	29.91					
07	CLR	NC			10.00		52	44	48	74	14	03	29.96	30.04	07	CLR	NC			10.00			54	49	51	83	5	28	29.86	29.94					
10	BKN	041			10.00		59	46	52	62	17	05	29.98	30.07	10	CLR	NC			10.00			71	48	58	44	6	29	29.88	29.96					
13	OVC	048			10.00		63	48	55	58	21	05	29.96	30.04	13	CLR	NC			10.00			77	48	61	36	9	31	29.85	29.93					
16	OVC	055			10.00		62	45	53	54	16	02	29.96	30.03	16	CLR	NC			10.00			76	48	60	37	14	32	29.83	29.92					
19	OVC	040			10.00	-RA	58	49	53	72	10	05	29.98	30.07	19	CLR	NC			10.00			63	49	55	60	5	35	29.88	29.96					
22	OVC	040			10.00	-RA	56	49	52	78	14	05	30.01	30.10	22	CLR	NC			10.00			58	40	49	51	7	03	29.93	30.01					
SUNRISE: 0601						OCT 04						SUNRISE: 0607						OCT 10						SUNSET: 1731											
01	OVC	090			8.00	-RA	51	48	49	90	15	02	30.02	30.10	01	CLR	NC			10.00			56	34	46	44	0	00	29.94	30.03					
04	OVC	055			10.00	-RA	50	47	48	90	14	02	30.01	30.09	04	CLR	NC			10.00			46	39	43	77	6	32	29.94	30.03					
07	OVC	020			10.00	-RA	50	47	48	90	14	36	29.98	30.07	07	CLR	NC			10.00			47	40	44	77	3	33	29.96	30.03					
10	OVC	016			10.00		52	48	50	86	11	35	29.99	30.08	10	CLR	NC			10.00			60	30	47	32	0	00	29.91	29.99					
13	OVC	023			1.50	+RA BR	52	49	50	90	16	33	29.98	30.07	13	CLR	NC			10.00			70	43	56	38	14	26	29.82	29.89					
16	OVC	028			7.00	-RA	51	48	49	90	14	33	29.98	30.06	16	SCT	090			10.00			68	44	55	42	9	23	29.72	29.81					
19	OVC	028			7.00	-RA	50	48	49	93	14	33	29.99	30.08	19	CLR	NC			10.00			63	50	56	63	0	00	29.70	29.79					
22	OVC	024			10.00	-RA	51	47	49	86	18	34	29.98	30.06	22	CLR	NC			10.00			58	52	55	81	3	25	29.70	29.77					
SUNRISE: 0602						OCT 05						SUNRISE: 0608						OCT 11						SUNSET: 1730											
01	OVC	020			10.00		52	48	50	86	10	33	29.93	30.02	01	CLR	NC			10.00			58	54	56	87	3	33	29.70	29.78					
04	OVC	016			10.00		51	49	50	93	9	30	29.93	30.01	04	CLR	NC			10.00			57	54	55	90	0	00	29.72	29.81					
07	OVC	016			10.00	-RA	50	48	49	93	10	30	29.96	30.04	07	CLR	NC			8.00			57	55	56	93	3	27	29.77	29.85					
10	OVC	030			10.00		53	49	51	86	10	30	29.98	30.06	10	CLR	NC			10.00			75	56	64	52	5	29	29.78	29.86					
13	OVC	060			10.00		57	50	53	78	13	29	29.94	30.02	13	CLR	NC			10.00			79	54	64	42	7	23	29.72	29.81					
16	OVC	024			10.00		56	48	52	75	10	28	29.93	30.02	16	CLR	NC			10.00			80	54	64	41	9	24	29.70	29.78					
19	OVC	040			10.00		55	48	51	77	6	26	29.96	30.04	19	CLR	NC			10.00			67	59	62	76	5	16	29.70	29.78					
22	OVC	042			10.00		54	48	51	80	0	00	29.94	30.03	22	BKN	110			7.00			61	58	59	90	5	35	29.70	29.78					
SUNRISE: 0603						OCT 06						SUNRISE: 0609						OCT 12						SUNSET: 1728											
01	BKN	060			10.00		52	47	49	83	3	25	29.91	30.00	01	CLR	NC			10.00			62	56	59	81	0	00	29.70	29.78					
04	OVC	030			10.00		51	48	49	90	0	00	29.88	29.97	04	OVC	110			10.00	-RA		62	57	59	84	6	31	29.75	29.83					
07	OVC	100			10.00		52	48	50	86	5	22	29.90	29.98	07	SCT	100			6.00	BR		61	58	59	90	3	24	29.72	29.80					
10	BKN	070			10.00		56	47	51	72	10	22	29.88	29.97	10	CLR	NC			10.00			69	58	62	68	6	27	29.72	29.81					
13	BKN	055			10.00		59	45	52	60	14	27	29.80	29.88	13	CLR	NC			10.00			76	58	65	54	7	24	29.70	29.78					
16	OVC	055			10.00		58	46	52	65	9	27	29.75	29.84	16	CLR	NC			10.00			75	58	65	56	5	VR	29.70	29.79					
19	SCT	080			10.00		54	45	49	72	6	25	29.73	29.82	19	CLR	NC			10.00			64	55	59	73	3	02	29.75	29.84					
22	SCT	085			10.00		53	47	50	80	14	24	29.70	29.78	22	CLR	NC			10.00			58	49	53	72	7	01	29.83	29.91					

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE OCTOBER 2010 KILG

WBAN # 13781

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)																	
			Observation Time (LST)	Eff Cld Amt Oktas			DRY BULB	DEW POINT	WET BULB		RELATIVE HUMIDITY (PCT)	STATION				SEA LEVEL	Observation Time (LST)			Eff Cld Amt Oktas	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL														
			SUNRISE: 0610								OCT 13									SUNSET: 1727							SUNRISE: 0616							OCT 19							SUNSET: 1718
01	CLR	NC			10.00		54	40	47	59	11	01	29.90	29.97	01	OVC	070			10.00	-RA	51	44	48	77	6	02	29.88	29.96												
04	CLR	NC			10.00		49	38	44	66	6	01	29.91	30.00	04	OVC	070			6.00	RA BR	49	47	48	93	3	03	29.85	29.94												
07	CLR	NC			10.00		46	38	42	74	6	36	29.96	30.04	07	OVC	005			7.00	-RA	50	47	48	90	3	36	29.85	29.94												
10	CLR	NC			10.00		58	40	49	51	6	01	29.98	30.07	10	OVC	060			10.00		53	48	50	83	6	01	29.88	29.96												
13	CLR	NC			10.00		62	36	50	38	3	VR	29.93	30.02	13	OVC	041			10.00		54	48	51	80	5	30	29.85	29.93												
16	CLR	NC			10.00		64	37	51	37	0	00	29.91	29.99	16	CLR	NC			10.00		58	47	52	67	7	VR	29.83	29.91												
19	CLR	NC			10.00		58	38	48	48	0	00	29.93	30.02	19	CLR	NC			8.00		50	46	48	86	3	22	29.86	29.95												
22	CLR	NC			10.00		50	44	47	80	0	00	29.94	30.03	22	CLR	NC			6.00	BR	49	47	48	93	0	00	29.88	29.97												
SUNRISE: 0611							OCT 14							SUNRISE: 0618							OCT 20							SUNSET: 1717													
01	CLR	NC			10.00		46	44	45	93	0	00	29.93	30.01	01	CLR	NC			3.00	BR	47	46	47	96	0	00	29.88	29.96												
04	CLR	NC			10.00		46	44	45	93	3	02	29.88	29.96	04	CLR	NC			3.00	BR	44	42	43	93	5	33	29.88	29.96												
07	CLR	NC			10.00		50	47	48	90	0	00	29.85	29.93	07	CLR	NC			2.50	BR	46	44	45	93	0	00	29.86	29.95												
10	OVC	060			3.00	RA	54	49	51	83	0	00	29.83	29.92	10	CLR	NC			5.00	HZ	57	49	53	75	0	00	29.86	29.94												
13	OVC	080			9.00	-RA	52	49	50	90	9	07	29.75	29.83	13	FEW	070			10.00		58	44	51	60	7	17	29.80	29.88												
16	OVC	055			8.00	-RA	50	48	49	93	7	02	29.70	29.78	16	BKN	060			8.00		58	47	52	67	6	21	29.75	29.84												
19	OVC	080			8.00		50	48	49	93	7	30	29.67	29.75	19	CLR	NC			10.00		50	46	48	86	6	19	29.75	29.84												
22	BKN	032			6.00	BR	49	47	48	93	11	30	29.64	29.72	22	CLR	NC			2.50	BR	48	47	48	96	3	23	29.75	29.83												
SUNRISE: 0612							OCT 15							SUNRISE: 0619							OCT 21							SUNSET: 1715													
01	CLR	NC			10.00		49	44	47	83	11	29	29.61	29.69	01	SCT	012			4.00	BR	48	46	47	93	3	22	29.70	29.78												
04	CLR	NC			10.00		49	41	45	74	10	28	29.61	29.69	04	OVC	008			6.00	BR	52	49	50	90	8	22	29.62	29.70												
07	CLR	NC			10.00		47	41	44	80	8	26	29.59	29.67	07	OVC	008			7.00		53	50	51	90	13	22	29.57	29.66												
10	FEW	040			10.00		57	40	49	53	22	29	29.59	29.67	10	SCT	110			10.00		57	48	52	72	11	25	29.57	29.66												
13	BKN	070			10.00		61	38	50	43	17	30	29.52	29.60	13	SCT	090			10.00		61	45	53	56	10	30	29.56	29.64												
16	OVC	085			10.00		60	33	47	36	18	30	29.53	29.61	16	FEW	080			10.00		62	29	47	29	21	33	29.62	29.70												
19	BKN	085			10.00		57	31	45	37	15	29	29.57	29.66	19	CLR	NC			10.00		51	30	42	45	6	30	29.72	29.80												
22	FEW	060			10.00		55	35	46	47	17	31	29.62	29.71	22	CLR	NC			10.00		46	34	41	63	5	24	29.77	29.85												
SUNRISE: 0613							OCT 16							SUNRISE: 0620							OCT 22							SUNSET: 1714													
01	BKN	055			10.00		54	38	46	55	14	30	29.65	29.74	01	BKN	080			10.00		43	37	40	79	0	00	29.80	29.88												
04	BKN	060			10.00		53	36	45	53	14	30	29.69	29.77	04	CLR	NC			10.00		43	33	39	68	3	30	29.85	29.93												
07	CLR	NC			10.00		52	34	44	50	14	30	29.77	29.84	07	FEW	080			10.00		45	38	42	77	9	31	29.94	30.03												
10	CLR	NC			10.00		59	33	47	38	20	33	29.83	29.90	10	FEW	055			10.00		53	29	43	40	20	30	30.01	30.09												
13	CLR	NC			10.00		63	34	49	34	25	31	29.82	29.90	13	BKN	060			10.00		55	28	43	36	18	30	29.99	30.08												
16	CLR	NC			10.00		63	31	48	30	18	32	29.83	29.91	16	CLR	NC			10.00		55	29	44	37	16	32	30.01	30.09												
19	CLR	NC			10.00		55	34	45	45	0	00	29.86	29.95	19	CLR	NC			10.00		47	30	40	52	8	30	30.07	30.16												
22	CLR	NC			10.00		48	38	43	68	3	29	29.91	29.99	22	CLR	NC			10.00		43	33	39	68	6	25	30.10	30.19												
SUNRISE: 0614							OCT 17							SUNRISE: 0621							OCT 23							SUNSET: 1712													
01	CLR	NC			10.00		42	36	39	79	3	33	29.93	30.02	01	CLR	NC			10.00		40	35	38	82	5	26	30.11	30.20												
04	FEW	110			10.00		41	37	39	86	3	29	29.91	30.00	04	CLR	NC			10.00		41	37	39	86	3	27	30.11	30.20												
07	CLR	NC			10.00		45	41	43	86	6	27	29.91	29.99	07	CLR	NC			10.00		40	35	38	82	3	26	30.14	30.23												
10	CLR	NC			10.00		63	42	52	46	13	27	29.88	29.96	10	CLR	NC			10.00		58	37	48	46	13	25	30.15	30.24												
13	CLR	NC			10.00		69	44	56	41	11	25	29.78	29.86	13	CLR	NC			10.00		66	34	51	31	15	25	30.09	30.17												
16	CLR	NC			10.00		73	42	57	33	15	30	29.75	29.83	16	CLR	NC			10.00		66	35	51	32	10	24	30.06	30.14												
19	CLR	NC			10.00		64	44	54	48	5	29	29.78	29.87	19	CLR	NC			10.00		61	38	50	43	8	22	30.07	30.15												
22	CLR	NC			10.00		54	42	48	64	6	30	29.83	29.92	22	CLR	NC			10.00		55	42	49	62	0	00	30.09	30.17												
SUNRISE: 0615							OCT 18							SUNRISE: 0622							OCT 24							SUNSET: 1711													
01	CLR	NC			10.00		50	41	46	71	3	01	29.86	29.95	01	BKN	120			10.00		56	45	50	67	0	00	30.09	30.16												
04	CLR	NC			10.00		50	38	44	64	3	28	29.88	29.97	04	CLR	NC			10.00		55	47	51	75	0	00	30.06	30.14												
07	CLR	NC			10.00		45	41	43	86	3	30	29.93	30.02	07	CLR	NC			10.00		52	47	49	83	0	00	30.06	30.14												
10	CLR	NC			10.00		62	36	50	38	8	34	29.96	30.03	10	CLR	NC			10.00		64	50	56	61	5	25	30.06	30.14												
13	CLR	NC			10.00		65	36	51	34	6	29	29.88	29.96	13	CLR	NC			10.00		70	48	58	46	7	24	29.98	30.07												
16	OVC	090			10.00		63	38	51	40	0	00	29.85	29.93	16	CLR	NC			8.00		70	51	59	51	3	22	29.96	30.04												
19	SCT	095			10.00		56	40	48	55	7	36	29.88	29.96	19	CLR	NC			10.00		62	50	55	65	3	19	29.96	30.04												
22	OVC	070			10.00	-RA	54	43	49	67	0	00	29.88	29.96	22	CLR	NC			10.00		56	50	53	80	0	00	29.96	30.04												

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE
OCTOBER 2010
KILG

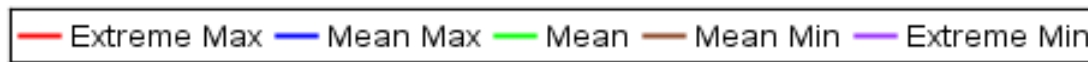
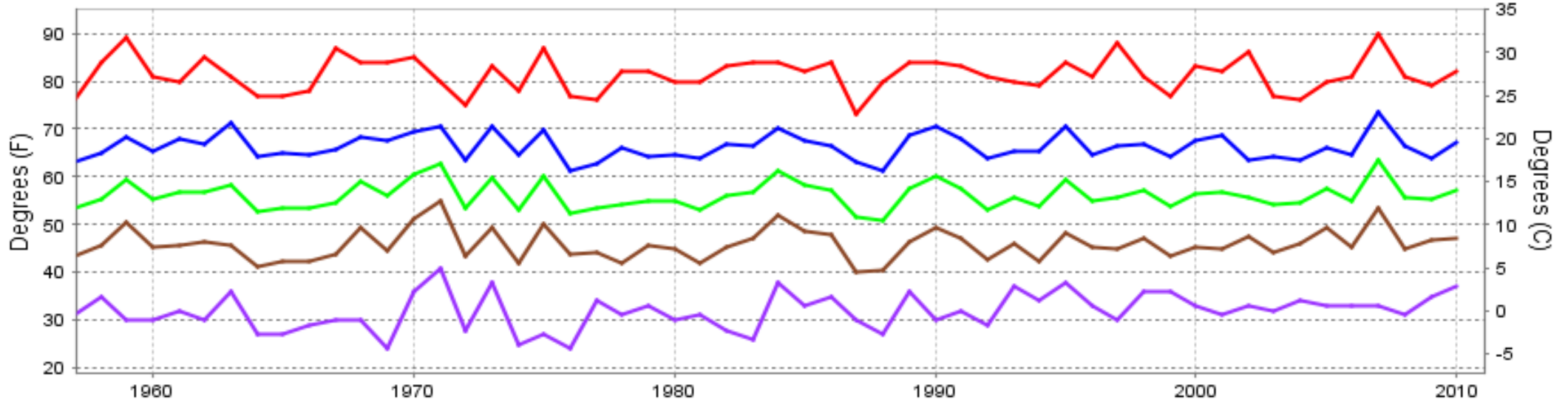
WBAN # 13781

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: 0623						OCT 25						SUNSET: 1710															
01	CLR	NC				54	51	52	90	0	00	29.93	30.01	01	CLR	NC				54	51	52	90	0	00	29.93	30.01
04	CLR	NC				52	49	50	90	0	00	29.90	29.98	04	CLR	NC				52	49	50	90	0	00	29.90	29.98
07	CLR	NC				54	52	53	93	3	18	29.90	29.98	07	CLR	NC				54	52	53	93	3	18	29.90	29.98
10	SCT	014				69	61	64	76	13	21	29.88	29.97	10	SCT	014				69	61	64	76	13	21	29.88	29.97
13	OVC	032				72	61	65	68	14	22	29.83	29.91	13	OVC	032				72	61	65	68	14	22	29.83	29.91
16	FEW	037				73	61	66	66	15	17	29.72	29.80	16	FEW	037				73	61	66	66	15	17	29.72	29.80
19	FEW	080				71	62	65	73	14	19	29.72	29.81	19	FEW	080				71	62	65	73	14	19	29.72	29.81
22	CLR	NC				69	59	63	71	15	22	29.75	29.83	22	CLR	NC				69	59	63	71	15	22	29.75	29.83
SUNRISE: 0624						OCT 26						SUNSET: 1708															
01	CLR	NC				65	58	61	78	8	22	29.78	29.86	01	CLR	NC				65	58	61	78	8	22	29.78	29.86
04	BKN	018				62	59	60	90	6	19	29.80	29.89	04	BKN	018				62	59	60	90	6	19	29.80	29.89
07	CLR	NC				60	58	59	93	3	18	29.80	29.89	07	CLR	NC				60	58	59	93	3	18	29.80	29.89
10	OVC	011				65	60	62	84	10	21	29.83	29.91	10	OVC	011				65	60	62	84	10	21	29.83	29.91
13	OVC	015				68	62	64	81	11	18	29.80	29.88	13	OVC	015				68	62	64	81	11	18	29.80	29.88
16	OVC	045				69	64	66	84	9	13	29.75	29.83	16	OVC	045				69	64	66	84	9	13	29.75	29.83
19	OVC	060				67	64	65	90	10	17	29.75	29.83	19	OVC	060				67	64	65	90	10	17	29.75	29.83
22	FEW	003				66	64	65	93	15	16	29.75	29.83	22	FEW	003				66	64	65	93	15	16	29.75	29.83
SUNRISE: 0625						OCT 27						SUNSET: 1707															
01	SCT	090				66	65	65	97	10	17	29.75	29.84	01	SCT	090				66	65	65	97	10	17	29.75	29.84
04	OVC	120			-RA	72	69	70	90	11	20	29.78	29.86	04	OVC	120			-RA	72	69	70	90	11	20	29.78	29.86
07	OVC	021			-RA	70	68	69	93	10	18	29.78	29.87	07	OVC	021			-RA	70	68	69	93	10	18	29.78	29.87
10	SCT	055			-RA	72	69	70	90	8	20	29.82	29.90	10	SCT	055			-RA	72	69	70	90	8	20	29.82	29.90
13	OVC	033			RA	75	69	71	82	10	22	29.78	29.87	13	OVC	033			RA	75	69	71	82	10	22	29.78	29.87
16	BKN	110				72	65	68	79	7	23	29.78	29.86	16	BKN	110				72	65	68	79	7	23	29.78	29.86
19	OVC	060				67	64	65	90	0	00	29.83	29.91	19	OVC	060				67	64	65	90	0	00	29.83	29.91
22	OVC	027			BR	66	65	65	97	5	17	29.83	29.90	22	OVC	027			BR	66	65	65	97	5	17	29.83	29.90
SUNRISE: 0626						OCT 28						SUNSET: 1706															
01	OVC	020			FG	66	65	65	97	6	21	29.80	29.89	01	OVC	020			FG	66	65	65	97	6	21	29.80	29.89
04	CLR	NC				66	64	65	93	6	24	29.80	29.88	04	CLR	NC				66	64	65	93	6	24	29.80	29.88
07	BKN	005			BR	64	62	63	93	5	23	29.82	29.90	07	BKN	005			BR	64	62	63	93	5	23	29.82	29.90
10	CLR	NC				70	62	65	76	7	23	29.83	29.90	10	CLR	NC				70	62	65	76	7	23	29.83	29.90
13	CLR	NC				75	46	59	36	16	26	29.77	29.85	13	CLR	NC				75	46	59	36	16	26	29.77	29.85
16	CLR	NC				74	33	54	22	14	28	29.75	29.84	16	CLR	NC				74	33	54	22	14	28	29.75	29.84
19	CLR	NC				62	35	49	37	7	26	29.80	29.88	19	CLR	NC				62	35	49	37	7	26	29.80	29.88
22	CLR	NC				57	36	47	46	16	32	29.85	29.94	22	CLR	NC				57	36	47	46	16	32	29.85	29.94
SUNRISE: 0627						OCT 29						SUNSET: 1705															
01	CLR	NC				50	34	43	54	16	31	29.88	29.96	01	CLR	NC				50	34	43	54	16	31	29.88	29.96
04	CLR	NC				48	34	42	59	13	30	29.91	29.99	04	CLR	NC				48	34	42	59	13	30	29.91	29.99
07	OVC	080				49	36	43	61	10	30	29.96	30.04	07	OVC	080				49	36	43	61	10	30	29.96	30.04
10	OVC	090				54	37	46	53	21	32	29.98	30.06	10	OVC	090				54	37	46	53	21	32	29.98	30.06
13	OVC	070				57	34	46	42	24	30	29.96	30.04	13	OVC	070				57	34	46	42	24	30	29.96	30.04
16	BKN	070				55	32	45	42	18	31	29.96	30.05	16	BKN	070				55	32	45	42	18	31	29.96	30.05
19	CLR	NC				49	33	42	54	11	31	30.01	30.10	19	CLR	NC				49	33	42	54	11	31	30.01	30.10
22	CLR	NC				45	31	39	58	8	29	30.07	30.16	22	CLR	NC				45	31	39	58	8	29	30.07	30.16
SUNRISE: 0628						OCT 30						SUNSET: 1703															
01	CLR	NC				42	31	37	65	7	26	30.09	30.17	01	CLR	NC				42	31	37	65	7	26	30.09	30.17
04	CLR	NC				39	30	35	70	7	27	30.09	30.17	04	CLR	NC				39	30	35	70	7	27	30.09	30.17
07	CLR	NC				38	32	36	79	7	25	30.10	30.18	07	CLR	NC				38	32	36	79	7	25	30.10	30.18
10	CLR	NC				50	33	43	52	10	25	30.07	30.16	10	CLR	NC				50	33	43	52	10	25	30.07	30.16
13	CLR	NC				55	33	45	43	11	23	29.96	30.05	13	CLR	NC				55	33	45	43	11	23	29.96	30.05
16	CLR	NC				56	32	45	40	13	21	29.85	29.93	16	CLR	NC				56	32	45	40	13	21	29.85	29.93
19	CLR	NC				51	36	44	57	13	19	29.82	29.89	19	CLR	NC				51	36	44	57	13	19	29.82	29.89
22	CLR	NC				49	38	44	66	8	20	29.75	29.84	22	CLR	NC				49	38	44	66	8	20	29.75	29.84

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: 0630						OCT 31						SUNSET: 1702															
01	CLR	NC				47	39	43	74	5	18	29.70	29.79	01	CLR	NC				47	39	43	74	5	18	29.70	29.79
04	CLR	NC				39	36	38	89	5	34	29.70	29.78	04	CLR	NC				39	36	38	89	5	34	29.70	29.78
07	CLR	NC				44	37	41	77	5	24	29.73	29.82	07	CLR	NC				44	37	41	77	5	24	29.73	29.82
10	CLR	NC				62	35	49	37	18	30	29.78	29.86	10	CLR	NC				62	35	49	37	18	30	29.78	29.86
13	BKN	080				60	35	48	39	15	29	29.80	29.88	13	BKN	080				60	35	48	39	15	29	29.80	29.88
16	FEW	060				58	33	47	39	10	32	29.86	29.95	16	FEW	060				58	33	47	39	10	32	29.86	29.95
19	CLR	NC				49	29	41	46	9	36	29.99	30.08	19	CLR	NC				49	29	41	46	9	36	29.99	30.08
22	CLR	NC				44	27	37	51	3	01	30.09	30.16	22	CLR	NC				44	27	37	51	3	01	30.09	30.16

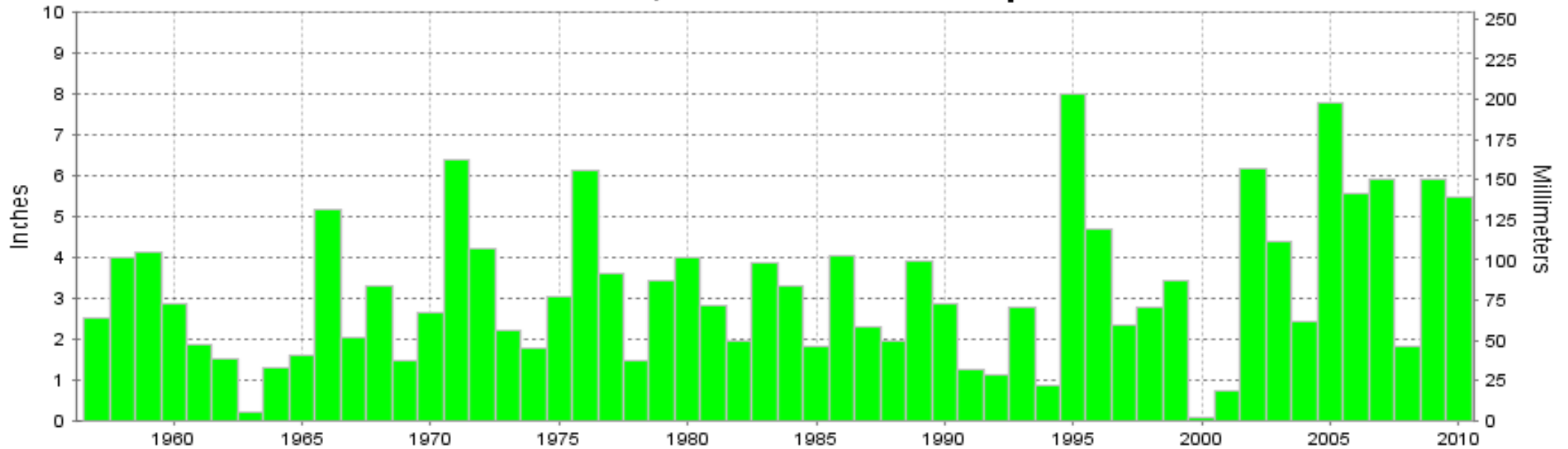
3-HOURLY OBSERVATION NOTES

WILMINGTON, DE OCTOBER Temperatures



Long-Term (1957-2010) Mean: 56.1
1971-2000 Normal: 55.8

WILMINGTON, DE OCTOBER Precipitation



Long-Term (1957-2010) Mean Monthly Total: 3.21

1971-2000 Normal: 3.08



OCTOBER 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.

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