



NOVEMBER 2008

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			
11	12	13	14	15	16	17	18	19	20	21	22	23	24											
01	71	41	56	6	42	50	9	0		0		0.0	0.00	30.16	30.25	1.2	02	4.2	15	04	13	16	01	
02	56	45	51	1	33	42	14	0		0		0.0	0.00	30.35	30.47	9.1	05	10.1	23	06	17	05	02	
03	60	46	53	3	44	49	12	0	BR	0		0.0	0.00	30.39	30.47	1.9	03	2.6	10	08	8	10	03	
04	60	46	53	4	51	53	12	0	RA BR	0		0.0	0.06	30.27	30.34	4.3	04	4.8	14	03	12	02	04	
05	64	55	60	11	54	56	5	0	RA	0		0.0	0.16	30.02	30.08	14.6	03	14.8	35	03	26	02	05	
06	65	58	62	13	57	60	3	0	RA	0		0.0	0.01	29.78	30.06	13.9	01	14.1	35	03	28	02	06	
07	66	54	60	11	56	58	5	0	BR	0		0.0	0.00	29.80	30.15	1.3	36	5.6	13	02	10	02	07	
08	61	49	55	7	53	54	10	0	RA FG+ FG BR HZ	0		0.0	0.18	29.61	29.69	3.6	18	6.9	25	31	20	31	08	
09	59	43	51	3	37	44	14	0		0		0.0	0.00	29.71	29.83	6.3	28	7.0	25	26	18	30	09	
10	51	36	44	-4	28	37	21	0		0		0.0	0.00	29.98	30.10	9.0	29	9.7	29	31	22	30	10	
11	51	32	42	-5	27	35	23	0		0		0.0	0.00	30.24	30.34	7.4	31	8.0	24	32	18	32	11	
12	50	37	44	-3	32	40	21	0	RA	0		0.0	T	30.29	30.38	0.6	19	2.7	12	18	9	17	12	
13	56	43	50	3	47	48	15	0	RA FG+ FG BR	0		0.0	0.90	30.07	30.11	3.2	07	5.3	28	11	21	12	13	
14	58	53	56	10	55	55	9	0	TS RA FG+ FG BR	0		0.0	0.03	29.83	29.92	1.5	20	3.0	12	21	9	21	14	
15	74*	53	64*	18	58	59	1	0	RA FG BR	0		0.0	0.93	29.52	29.57	7.5	18	10.7	25	17	21	17	15	
16	53	38	46	0	30	39	19	0	RA	0		0.0	0.02	29.64	29.77	14.8	28	15.1	39*	29	31*	30	16	
17	48	35	42	-4	27	36	23	0	RA	0		0.0	T	29.96	30.05	5.8	26	7.0	23	29	17	33	17	
18	41	29	35	-10	21	29	30	0	SN HZ	0		T	T	29.99	30.10	13.1	33	13.2	32	34	26	33	18	
19	37	25	31	-14	16	26	34	0	SN	0		T	T	30.06	30.13	10.2	31	10.7	28	33	22	32	19	
20	45	33	39	-6	25	32	26	0	SN	0		T	T	29.83	29.92	5.0	29	6.2	25	31	20	31	20	
21	36	26	31	-13	26	30	34	0	SN BR UP	0		0.2	0.06	29.98	30.11	6.5	33	8.5	24	31	18	30	21	
22	35	23	29*	-15	17	25	36	0	SN	0		T	T	30.32	30.42	9.4	29	10.0	33	31	24	31	22	
23	40	24	32	-12	16	27	33	0		0		0.0	0.00	30.36	30.45	4.5	27	5.2	21	31	15	28	23	
24	49	23*	36	-7	29	35	29	0	RA BR HZ	0		0.0	0.25	30.14	30.18	8.0	16	8.3	26	16	22	16	24	
25	48	36	42	-1	33	39	23	0	RA BR	0		0.0	0.10	29.70	29.79	7.5	25	8.9	23	28	21	31	25	
26	48	33	41	-2	27	35	24	0		0		0.0	0.00	29.85	29.97	10.0	26	10.4	25	29	22	29	26	
27	47	30	39	-3	26	34	26	0		0		0.0	0.00	29.95	30.03	5.5	24	6.0	22	23	17	24	27	
28	51	28	40	-2	27	34	25	0		0		0.0	0.00	29.78	29.87	5.0	29	5.5	30	32	23	29	28	
29	49	27	38	-3	23	32	27	0		0		0.0	0.00	29.87	29.97	2.5	27	3.5	20	28	10	32	29	
30	54	33	44	3	39	41	21	0	RA FG+ FG BR	0		0.0	0.81	29.63	29.65	9.9	06	10.6	24	06	18	06	30	

52.8	37.8	45.3	☼	35.2	41.1	19.5	0.0	< MONTHLY AVERAGES TOTALS >				0.2	3.51	29.97	30.05	3.1	31	8.0	< MONTHLY AVERAGES			
-2.2	0.9	-0.6		-----DEPARTURE FROM NORMAL ----->				0.32		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3												
DEGREE DAYS								GREATEST 24-HR PRECIPITATION : 0.94 DATE : 15-16				SEA LEVEL PRESSURE				DATE TIME						
MONTHLY				SEASON TO DATE				GREATEST 24-HR SNOWFALL : 0.2 DATE : 21				MAXIMUM : 30.54 02 2346										
TOTAL DEPARTURE				TOTAL DEPARTURE				GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.35 30 2251										
HEATING :		584 20		898 -15				NUMBER OF ->		MAXIMUM TEMP >= 90 : 0		MINIMUM TEMP <= 32 : 10		PRECIPITATION >= 0.01 INCH : 12								
COOLING :		0 -1		1190 65				THUNDERSTORMS : 1		MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH : 7								
										HEAVY FOG : 4				SNOWFALL >= 1.0 INCH : 0								

NOVEMBER 2008
 WILMINGTON, DE

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE (KILG)
NOVEMBER 2008

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												03	0.00	0.00	
04												0.02	04	T	0.01		T	T	0.02	T				04	0.06	0.06		
05	0.01	0.01	0.01	T	T								05		T	T	T	0.01	T	T	0.08	0.04	T	0.01	T	0.16	0.16	
06	T												06											06	0.01	0.01		
07								T	0.01	T			07											07	0.00	0.00		
08													08	T										08	0.18	0.18		
09												0.07	09								T	0.05	0.06	09	0.00	0.00		
10													10											10	0.00	0.00		
11													11											11	0.00	0.00		
12													12											12	T	T		
13												0.01	13	0.16	0.18	0.16	0.03						T	0.01	13	0.90	0.90	
14												T	14	0.01									T	0.01	0.01	14	0.03	0.03
15	0.01	T	0.05	0.10	0.17	0.06	0.06	0.01	0.02	0.02	T		15				0.16	0.01	T	T	0.02	0.03	0.13	0.08	15	0.93	0.93	
16	0.02												16											16	0.02	0.02		
17													17										T	T	17	T	T	
18													18				T							18	T	T		
19		T	T										19											19	T	T		
20													20											20	T	T		
21				T	0.01	0.01	T	0.02	0.01	0.01	T		21	T	T		T	T	T					21	0.06	0.06		
22													22	T										22	T	T		
23													23											23	0.00	0.00		
24				T	T	0.01	0.01	T	T				24						T	0.03	0.06	0.05	0.05	0.06	24	0.25	0.25	
25	0.03	0.03	0.02	T	T	0.01	0.01	T	T				25											25	0.10	0.10		
26													26											26	0.00	0.00		
27													27											27	0.00	0.00		
28													28											28	0.00	0.00		
29				T	0.04	0.10	0.02	0.03	0.02	T	0.02	0.12	29											29	0.00	0.00		
30													30	0.10	0.04	0.02	0.05	0.09	0.07	0.01	0.01	0.02	0.03	0.01	0.01	30	0.81	0.81

* 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)	0.09	0.13	0.16	0.17	0.17	0.19	0.24	0.32	0.37	0.42	0.50	0.57
Ending Date	15	15	15	15	15	13	13	13	13	13	13	13
Ending Time (Hr/Min)	1649	1654	1658	1701	1701	1126	1148	1201	1223	1241	1309	1403

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 2008

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							5.00	10.00	
04							4.00	10.00	
05							5.00	10.00	
06							7.00	10.00	
07							2.50	10.00	
08							0.25	10.00	
09							7.00	10.00	
10							10.00	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							0.25	10.00	
14							0.25	6.00	
15							0.50	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							8.00	10.00	
21							0.75	10.00	
22							9.00	10.00	
23							10.00	10.00	
24							5.00	10.00	
25							6.00	10.00	
26							10.00	10.00	
27							9.00	10.00	
28							7.00	10.00	
29							8.00	10.00	
30							0.25	10.00	
MONTHLY AVGS							6.49	9.87	
SUNSHINE (Minutes)									
Total : 0			Possible : 18011						
Percent Possible : 0									
NUMBER OF DAYS WITH : SKY CONDITION									
Clear		Partly CLDY			Cloudy			Missing	
MINIMUM VISIBILITY (MILES)									
<= .25		<= 3.0			>= 7.0				
4		7			18				

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE
NOVEMBER 2008
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						
SUNRISE: 0631						NOV 01						SUNSET: 1701						SUNRISE: 0637						NOV 07						SUNSET: 1655					
01	CLR	NC			10.00		43	38	41	83	3	27	30.22	30.30						10.00		61	57	59	87	9	34	29.83	30.41						
04	CLR	NC			10.00		44	37	41	77	0	00	30.17	30.26						10.00		61	57	59	87	6	33	29.83	30.41						
07	CLR	NC			10.00		44	37	41	77	3	28	30.19	30.27						10.00		59	57	58	93	7	33	29.83	30.41						
10	CLR	NC			10.00		61	39	50	44	3	23	30.19	30.28						10.00		63	55	58	75	7	33	29.85	30.41						
13	CLR	NC			10.00		70	44	56	39	6	30	30.14	30.22						10.00		63	55	58	75	3	31	29.78	30.41						
16	OVC	065			10.00		69	47	57	46	0	00	30.11	30.20						10.00		64	56	59	75	6	15	29.77	29.85						
19	OVC	080			10.00		63	47	55	56	7	05	30.14	30.23		CLR	NC			10.00		59	55	57	87	5	15	29.77	29.85						
22	OVC	080			10.00		60	44	52	56	9	04	30.19	30.28		CLR	NC			4.00	BR	55	54	54	96	5	14	29.75	29.83						
SUNRISE: 0632						NOV 02						SUNRISE: 0639						NOV 08						SUNSET: 1654											
01	FEW	060			10.00		55	43	49	64	11	03	30.22	30.31						2.00	BR	56	55	55	96	8	16	29.70	29.79						
04	CLR	NC			10.00		49	40	45	71	9	02	30.27	30.36		VV	001			0.25	FG	56	55	55	96	14	15	29.67	29.75						
07	SCT	050			10.00		45	29	38	54	11	03	30.35	30.43		OVC	003			1.00	BR	57	56	56	96	7	14	29.64	29.71						
10	CLR	NC			10.00		48	28	40	46	16	06	30.41	30.50		OVC	010			1.00	BR	57	56	56	96	8	18	29.62	29.70						
13	OVC	048			10.00		51	27	41	39	10	04	30.41	30.50		OVC	024			1.00	BR	59	56	57	90	6	23	29.56	29.64						
16	OVC	060			10.00		52	29	42	41	6	05	30.41	30.50		BKN	070			5.00	BR	60	56	58	87	5	18	29.54	29.62						
19	CLR	NC			10.00		47	36	42	66	11	11	30.44	30.53		BKN	038			9.00		55	52	53	90	0	00	29.57	29.65						
22	OVC	033			10.00		46	33	40	61	7	07	30.45	30.54		OVC	060			8.00	-RA	50	43	47	77	8	31	29.62	29.70						
SUNRISE: 0633						NOV 03						SUNRISE: 0640						NOV 09						SUNSET: 1653											
01	OVC	037			10.00		48	39	44	71	5	36	30.44	30.53		OVC	090			9.00		48	46	47	93	0	00	29.62	29.70						
04	OVC	036			10.00		48	39	44	71	7	04	30.42	30.50		BKN	090			10.00		47	43	45	86	5	23	29.65	29.72						
07	OVC	030			10.00		49	41	45	74	5	35	30.43	30.52		CLR	NC			10.00		44	35	40	71	5	24	29.70	29.78						
10	OVC	032			10.00		52	44	48	74	3	04	30.43	30.52		CLR	NC			10.00		54	36	46	51	10	25	29.73	29.82						
13	BKN	034			10.00		60	48	54	65	3	13	30.36	30.45		FEW	060			10.00		55	34	45	45	11	28	29.73	29.81						
16	OVC	038			10.00		60	48	54	65	0	00	30.33	30.42		BKN	060			10.00		55	33	45	43	11	30	29.77	29.84						
19	OVC	036			9.00		57	49	53	75	6	10	30.32	30.41		BKN	080			10.00		48	35	42	61	5	30	29.82	29.89						
22	CLR	NC			5.00	BR	50	47	49	90	0	00	30.33	30.41		OVC	060			10.00		48	32	41	54	8	30	29.85	29.94						
SUNRISE: 0634						NOV 04						SUNRISE: 0641						NOV 10						SUNSET: 1652											
01	FEW	029			4.00	BR	46	45	46	96	5	33	30.32	30.41		OVC	070			10.00		47	33	41	58	7	28	29.86	29.95						
04	OVC	033			8.00		51	48	49	90	5	01	30.30	30.39		CLR	NC			10.00		44	32	39	63	5	24	29.88	29.97						
07	BKN	042			8.00		53	49	51	86	7	04	30.29	30.38		CLR	NC			10.00		40	32	37	73	6	25	29.96	30.04						
10	OVC	034			9.00		57	50	53	78	7	05	30.29	30.38		CLR	NC			10.00		49	30	41	48	14	30	29.99	30.08						
13	BKN	055			10.00		59	54	56	84	7	07	30.24	30.33		OVC	050			10.00		47	30	40	52	11	31	29.99	30.08						
16	BKN	095			8.00	-RA	59	54	56	84	5	03	30.22	30.30		SCT	055			10.00		47	25	38	42	14	29	30.02	30.11						
19	FEW	100			6.00	BR	56	54	55	93	5	02	30.22	30.30		CLR	NC			10.00		41	24	35	51	6	27	30.09	30.18						
22	OVC	095			10.00	-RA	57	54	55	90	3	05	30.20	30.29		CLR	NC			10.00		37	23	32	57	7	27	30.16	30.25						
SUNRISE: 0635						NOV 05						SUNRISE: 0642						NOV 11						SUNSET: 1651											
01	OVC	080			10.00	-RA	56	53	54	90	8	03	30.14	30.22		OVC	050			10.00		38	23	33	55	8	28	30.19	30.27						
04	SCT	090			10.00		55	53	54	93	8	02	30.10	30.19		CLR	NC			10.00		35	23	31	62	7	27	30.22	30.29						
07	FEW	100			10.00		56	52	54	87	10	03	30.09	30.17		CLR	NC			10.00		32	24	29	72	6	29	30.24	30.33						
10	CLR	NC			10.00		60	55	57	84	13	04	30.07	30.15		CLR	NC			10.00		45	27	38	49	11	32	30.27	30.36						
13	OVC	090			10.00		61	55	58	81	13	03	29.98	30.06		FEW	049			10.00		51	28	41	41	11	34	30.23	30.32						
16	FEW	045			10.00	-RA	62	56	59	81	15	04	29.93	30.01		CLR	NC			10.00		47	28	39	48	11	33	30.24	30.33						
19	OVC	080			10.00	-RA	61	53	57	75	18	02	29.91	29.99		CLR	NC			10.00		41	29	36	62	7	32	30.27	30.37						
22	OVC	090			10.00		58	53	55	84	22	01	29.85	29.93		CLR	NC			10.00		40	29	36	65	3	30	30.29	30.38						
SUNRISE: 0636						NOV 06						SUNRISE: 0643						NOV 12						SUNSET: 1650											
01	OVC	029			7.00	-RA	58	54	56	87	20	02	29.78	29.85		CLR	NC			10.00		38	31	35	76	6	33	30.30	30.39						
04	OVC	014			10.00		60	56	58	87	16	01	29.75	29.83		CLR	NC			10.00		40	31	36	70	0	00	30.28	30.37						
07	OVC	014			8.00	-RA	61	58	59	90	14	03	29.77	29.85		OVC	110			10.00		40	32	37	73	0	00	30.31	30.40						
10	OVC	012			10.00		63	59	61	87	21	03	29.80	29.87		CLR	NC			10.00		46	32	40	58	0	00	30.33	30.42						
13	OVC	014			10.00		65	60	62	84	15	01	29.78	29.86		CLR	NC			10.00		49	29	41	46	5	16	30.28	30.37						
16					10.00		64	57	60	78	11	01	29.80	30.41		CLR	NC			10.00		49	31	41	50	7	15	30.28	30.37						
19					10.00		63	59	61	87	8	01	29.83	30.41		CLR	NC			10.00		47	34	41	61	5	16	30.28	30.36						
22					10.00		63	57	60	81	7	36	29.83	30.41		SCT	095			10.00		46	36	42	68	0	00	30.27	30.35						

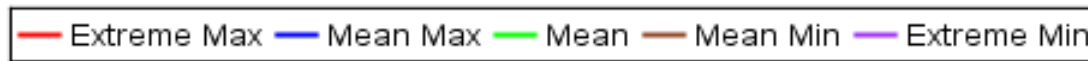
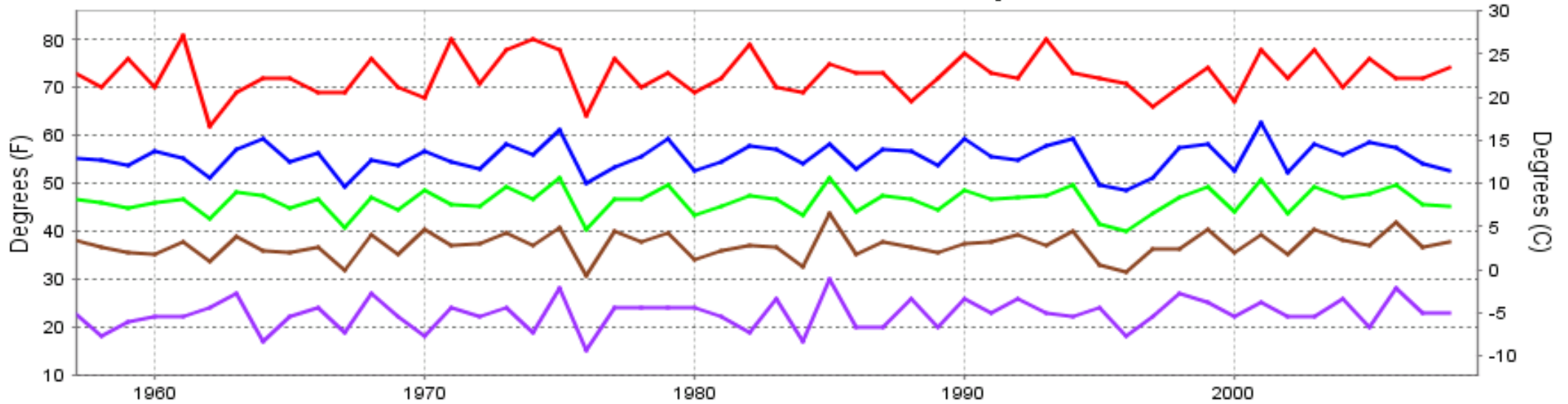
OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE NOVEMBER 2008 KILG

WBAN # 13781

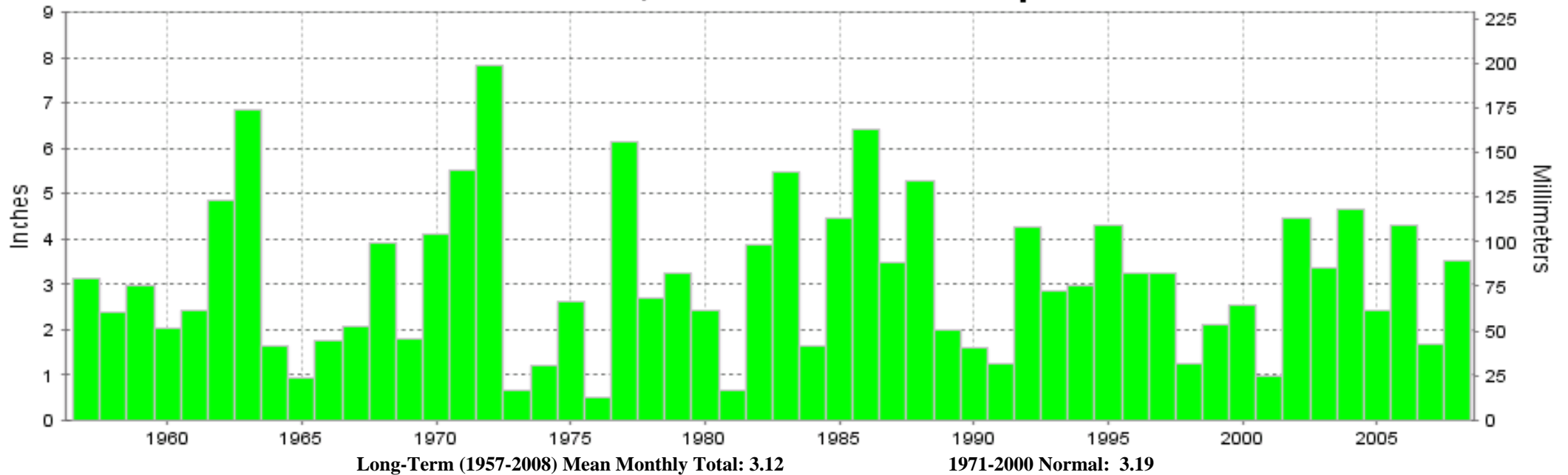
HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)													
			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												
																														Observation Time (LST)	Eff Cld Amt Oktas	DRY BULB	DEW POINT	WET BULB	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL			
SUNRISE: 0644							NOV 13							SUNSET: 1649							SUNRISE: 0651							NOV 19							SUNSET: 1644						
01	CLR	NC			10.00		47	37	43	68	3	07	30.22	30.31	01	SCT	050			10.00		28	17	25	63	11	32	30.10	30.19												
04	CLR	NC			10.00		43	39	41	86	5	04	30.19	30.27	04	CLR	NC			10.00		27	18	24	69	11	31	30.12	30.21												
07	OVC	095			10.00		46	39	43	77	7	10	30.10	30.19	07	CLR	NC			10.00		26	16	23	66	13	31	30.14	30.22												
10	OVC	038			7.00	-RA	49	44	47	83	6	02	30.07	30.16	10	CLR	NC			10.00		32	15	27	49	21	32	30.14	30.22												
13	OVC	060			2.00	RA BR	49	47	48	93	5	05	30.06	30.14	13	CLR	NC			10.00		36	14	29	40	13	31	30.04	30.13												
16	SCT	090			10.00		54	53	53	96	11	13	29.88	29.97	16	CLR	NC			10.00		35	13	28	40	11	30	29.99	30.09												
19	OVC	006			7.00		55	54	54	96	3	34	29.91	29.99	19	CLR	NC			10.00		33	14	27	46	5	29	29.98	30.06												
22	OVC	002			2.50	BR	55	54	54	96	0	00	29.88	29.96	22	OVC	110			10.00		32	17	27	54	0	00	29.93	30.02												
SUNRISE: 0645							NOV 14							SUNRISE: 0652							NOV 20							SUNSET: 1644													
01	VV	001			0.25	FG	56	55	55	96	0	00	29.85	29.93	01	BKN	100			10.00		33	19	28	56	3	22	29.90	29.98												
04	OVC	006			6.00	BR	54	53	53	96	3	32	29.86	29.95	04	OVC	070			10.00		33	22	29	64	3	21	29.83	29.91												
07	OVC	014			5.00	BR	54	53	53	96	0	00	29.85	29.93	07	OVC	090			10.00		33	23	29	67	3	26	29.82	29.91												
10	OVC	010			1.50	-RA BR	56	55	55	96	3	17	29.88	29.97	10	OVC	050			10.00		36	23	31	59	6	27	29.83	29.92												
13	OVC	002			0.50	FG	57	56	56	96	3	15	29.83	29.91	13	OVC	040			10.00		40	25	34	55	6	32	29.80	29.89												
16	VV	001			0.25	FG	57	56	56	96	5	15	29.80	29.89	16	OVC	047			10.00		42	27	36	55	13	32	29.82	29.91												
19	OVC	015			5.00	BR	58	56	57	93	6	22	29.85	29.93	19	BKN	085			10.00		40	26	35	57	3	23	29.85	29.93												
22	OVC	001			0.75	BR	57	56	56	96	3	21	29.83	29.91	22	OVC	044			10.00		37	29	34	73	5	03	29.88	29.96												
SUNRISE: 0647							NOV 15							SUNRISE: 0653							NOV 21							SUNSET: 1643													
01	OVC	002			1.50	-RA BR	56	56	56	100	3	13	29.75	29.84	01	BKN	065			9.00		33	29	31	85	3	29	29.88	29.96												
04	OVC	001			3.00	RA BR	57	56	56	96	7	13	29.67	29.75	04	OVC	038			3.00	-SN BR	34	32	33	92	0	00	29.88	29.97												
07	OVC	003			7.00	-RA	61	60	60	97	10	15	29.57	29.66	07	OVC	044			1.75	-SN BR	32	31	32	96	7	04	29.93	30.01												
10	OVC	003			2.00	-RA BR	61	60	60	97	18	17	29.52	29.60	10	OVC	010			2.50	-SN BR	31	28	30	89	10	03	29.98	30.07												
13	OVC	037			10.00		66	61	63	84	20	16	29.41	29.49	13	OVC	022			1.25	-SN BR	33	29	31	85	7	34	29.99	30.08												
16	BKN	075			10.00		70	61	64	73	20	16	29.32	29.40	16	FEW	033			10.00		34	25	31	70	9	30	30.04	30.13												
19	OVC	055			10.00		60	58	59	93	5	18	29.38	29.46	19	OVC	095			10.00		31	26	29	82	11	32	30.16	30.25												
22	OVC	090			10.00		59	58	58	97	6	20	29.41	29.49	22	CLR	NC			10.00		27	18	24	69	15	31	30.23	30.32												
SUNRISE: 0648							NOV 16							SUNRISE: 0654							NOV 22							SUNSET: 1643													
01	OVC	080			10.00		53	46	49	77	13	26	29.44	29.52	01	CLR	NC			10.00		25	12	21	58	7	27	30.25	30.35												
04	CLR	NC			10.00		45	33	40	63	10	27	29.51	29.58	04	FEW	046			10.00		24	14	21	66	9	28	30.28	30.37												
07	OVC	055			10.00		44	33	39	65	10	26	29.57	29.66	07	CLR	NC			10.00		23	15	21	71	7	26	30.33	30.42												
10	OVC	050			10.00		47	30	40	52	21	27	29.65	29.73	10	FEW	038			10.00		31	18	27	59	15	30	30.35	30.44												
13	OVC	050			10.00		46	27	38	48	15	27	29.70	29.79	13	BKN	065			10.00		34	19	29	54	17	28	30.32	30.41												
16	BKN	065			10.00		47	25	38	42	20	29	29.75	29.84	16	BKN	049			10.00		33	16	28	50	15	32	30.33	30.42												
19	CLR	NC			10.00		44	25	37	47	14	27	29.85	29.93	19	CLR	NC			10.00		29	17	25	61	7	28	30.37	30.47												
22	FEW	065			10.00		41	25	35	53	10	26	29.90	29.98	22	CLR	NC			10.00		27	20	25	75	6	26	30.38	30.47												
SUNRISE: 0649							NOV 17							SUNRISE: 0655							NOV 23							SUNSET: 1642													
01	SCT	060			10.00		38	24	33	57	8	26	29.93	30.02	01	CLR	NC			10.00		27	16	24	63	7	28	30.37	30.46												
04	CLR	NC			10.00		38	25	33	60	9	23	29.96	30.05	04	CLR	NC			10.00		25	15	22	66	5	27	30.38	30.47												
07	CLR	NC			10.00		36	25	32	64	5	23	30.01	30.09	07	CLR	NC			10.00		25	16	22	69	0	00	30.40	30.49												
10	CLR	NC			10.00		44	26	37	49	11	27	30.01	30.09	10	CLR	NC			10.00		35	17	29	48	8	28	30.42	30.51												
13	SCT	055			10.00		46	27	38	48	9	23	29.94	30.03	13	CLR	NC			10.00		40	17	32	39	9	31	30.35	30.44												
16	OVC	050			10.00		46	27	38	48	3	29	29.93	30.01	16	CLR	NC			10.00		39	17	31	41	3	25	30.31	30.40												
19	OVC	110			10.00		42	28	36	58	7	26	29.96	30.04	19	CLR	NC			10.00		35	17	29	48	3	19	30.32	30.41												
22	OVC	043			10.00	-RA	39	31	36	73	7	33	29.98	30.06	22	CLR	NC			10.00		29	18	25	63	0	00	30.32	30.41												
SUNRISE: 0650							NOV 18							SUNRISE: 0657							NOV 24							SUNSET: 1642													
01	FEW	110			10.00		37	27	33	67	8	33	29.96	30.03	01	CLR	NC			10.00		26	21	24	81	0	00	30.31	30.40												
04	OVC	120			10.00		33	26	30	75	10	32	29.96	30.04	04	CLR	NC			6.00	HZ	25	20	23	81	0	00	30.27	30.36												
07	CLR	NC			10.00		30	23	28	75	8	34	29.98	30.07	07	CLR	NC			7.00		25	21	24	85	0	00	30.23	30.32												
10	FEW	035			10.00		38	23	33	55	13	33	30.02	30.11	10	CLR	NC			10.00		40	29	36	65	9	19	30.19	30.28												
13	BKN	049			10.00		38	18	31	44	21	33	29.99	30.08	13	CLR	NC			10.00		49	28	40	44	10	16	30.09	30.18												
16	BKN	080			10.00		35	20	30	54	20	32	30.01	30.10	16	OVC	110			10.00		47	28	39	48	8	15	30.01	30.09												
19	CLR	NC			10.00		31	21	28	66	14	32	30.06	30.15	19	OVC	070			10.00	-RA	46	38	42	74	18	16	29.93	30.01												
22	CLR	NC			10.00		30	13	25	49	16	34	30.10	30.19	22	OVC	042			7.00	-RA	42	39	41	89	15	16	29.85	29.94												

WILMINGTON, DE NOVEMBER Temperatures



Long-Term (1957-2008) Mean: 46.3
1971-2000 Normal: 45.9

WILMINGTON, DE NOVEMBER Precipitation



Long-Term (1957-2008) Mean Monthly Total: 3.12

1971-2000 Normal: 3.19



NOVEMBER 2008
WILMINGTON, DE

LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

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