DECEMBER 2006
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)		PRECIPITIATION ON GND(IN)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES							Date
										0700 LST	1300 LST	2400 LST	2400 LST						MAXIMUM 5-SEC		2-MIN		
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING		DEPTH	WATER-EQUIV	SNOW-FALL	WATER EQUIV	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	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	74*	46	60*	19	56	61	5	0	RA	0		0.0	0.07	29.70	29.78	15.0	21	20.0	49*	20	36	18	01
02	48	35	42	2	25	35	23	0		0		0.0	0.00	30.10	30.24	11.7	28	12.6	28	30	23	30	02
03	43	27	35	-5	26	33	30	0		0		0.0	0.00	30.32	30.39	1.3	23	4.6	14	14	12	14	03
04	38	28	33	-7	18	29	32	0		0		0.0	0.00	30.09	30.19	12.7	29	13.4	41	30	31	30	04
05	39	25	32	-7	16	26	33	0		0		0.0	0.00	30.19	30.31	6.9	27	7.5	25	26	21	28	05
06	50	20	35	-4	25	33	30	0	BR	0		0.0	0.00	30.19	30.25	8.3	18	9.1	29	18	23	18	06
07	55	26	41	2	27	36	24	0	SN	0		T	T	29.89	30.00	11.0	28	13.3	43	29	33	29	07
08	33	22	28*	-11	8	22	37	0		0		0.0	0.00	30.20	30.32	17.6	29	18.2	41	29	36*	30	08
09	41	20*	31	-7	11	24	34	0		0		0.0	0.00	30.35	30.44	8.0	23	8.4	23	25	18	25	09
10	55	26	41	3	22	33	24	0		0		0.0	0.00	30.29	30.38	5.3	23	5.5	22	25	18	24	10
11	61	31	46	8	28	38	19	0		0		0.0	0.00	30.32	30.43	2.5	30	4.1	15	31	13	31	11
12	53	32	43	6	37	42	22	0		0		0.0	0.00	30.43	30.52	7.5	07	8.1	17	09	15	09	12
13	52	40	46	9	45	46	19	0	RA FG+ BR	0		0.0	0.14	30.16	30.22	1.7	17	3.4	14	09	10	19	13
14	46	41	44	7	43	44	21	0	FG+ FG BR	0		0.0	0.00	29.98	30.05	4.0	18	5.1	13	16	12	16	14
15	53	41	47	11	42	44	18	0	RA FG+ BR HZ	0		0.0	T	29.72	29.81	3.5	22	5.7	20	29	16	30	15
16	52	35	44	8	30	38	21	0		0		0.0	0.00	30.00	30.12	6.8	29	7.8	22	30	18	30	16
17	55	30	43	7	35	40	22	0	BR	0		0.0	0.00	30.08	30.16	3.1	22	3.2	14	22	12	21	17
18	71	41	56	20	42	47	9	0		0		0.0	0.00	30.01	30.11	6.1	28	8.1	32	27	25	29	18
19	48	30	39	4	27	35	26	0		0		0.0	0.00	30.19	30.31	7.5	31	8.0	23	29	20	31	19
20	45	25	35	0	25	32	30	0	RA	0		0.0	T	30.35	30.44	3.7	21	4.7	13	19	10	21	20
21	50	32	41	6	32	38	24	0	RA	0		0.0	T	30.25	30.34	3.3	24	4.5	16	25	14	27	21
22	56	43	50	15	41	44	15	0	RA BR	0		0.0	0.76	30.21	30.27	5.5	07	6.4	17	16	15	14	22
23	59	43	51	17	45	49	14	0	RA FG+ FG BR	0		0.0	0.27	29.78	29.86	5.4	24	10.0	30	13	24	14	23
24	53	34	44	10	31	39	21	0		0		0.0	0.00	30.00	30.13	9.9	28	10.6	36	30	29	30	24
25	49	30	40	6	37	39	25	0	RA	0		0.0	0.65	30.01	30.05	5.4	06	6.6	23	06	18	07	25
26	53	43	48	14	44	47	17	0	RA BR	0		0.0	0.02	29.41	29.52	7.7	25	10.8	26	29	23	29	26
27	46	33	40	6	26	35	25	0		0		0.0	0.00	29.83	29.99	11.6	28	12.2	33	28	23	29	27
28	50	29	40	7	26	34	25	0		0		0.0	0.00	30.29	30.41	2.6	23	3.4	14	26	12	24	28
29	52	28	40	7	32	37	25	0		0		0.0	0.00	30.47	30.57	3.9	05	5.4	16	06	14	05	29
30	52	35	44	11	37	41	21	0	BR	0		0.0	0.00	30.37	30.45	1.1	30	5.3	16	01	14	01	30
31	44	31	38	5	31	36	27	0	RA	0		0.0	0.02	30.33	30.40	3.4	07	7.1	16	03	14	04	31
	50.8	32.3	41.6	¤	31.3	38.0	23.2	0.0	< MONTHLY AVERAGES | TOTALS >			T	1.93	30.11	30.20	3.8	26	8.2	< MONTHLY AVERAGES				
	6.4	3.9	5.2		<---------- DEPARTURE FROM NORMAL ---------->								-1.47	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									

DECEMBER 2006
WILMINGTON, DE

DEGREE DAYS

	MONTHLY TOTAL	MONTHLY DEPARTURE	SEASON TO DATE TOTAL	SEASON TO DATE DEPARTURE
HEATING :	718	-154	1546	-239
COOLING :	0	0	1136	11

GREATEST 24-HR PRECIPITATION : 1.03 DATE : 22-23
GREATEST 24-HR SNOWFALL : T DATE : 07
GREATEST SNOW DEPTH : 0 DATE :

SEA LEVEL PRESSURE		DATE	TIME
MAXIMUM :	30.63	29	2051
MIMIMUM :	29.45	26	1351

NUMBER OF -> DAYS WITH

MAXIMUM TEMP >= 90 : 0	MINIMUM TEMP <= 32 : 18	PRECIPITATION >= 0.01 INCH: 7
MAXIMUM TEMP <= 32 : 0	MINIMUM TEMP <= 0 : 0	PRECIPITATION >= 0.10 INCH: 4
THUNDERSTORMS : 0	HEAVY FOG : 4	SNOWFALL >= 1.0 INCH : 0

HOURLY PRECIPITATION
(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE (KILG)
DECEMBER 2006 **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	T	0.01	T		T	T		T		T	T		01	T	0.01	T					0.05					01	0.07	0.07
02													02													02	0.00	0.00
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													07										T	T		07	T	T
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								0.02	0.05	0.04	T	0.02	13	0.01												13	0.14	0.14
14													14													14	0.00	0.00
15													15			T							T			15	T	T
16													16													16	0.00	0.00
17													17													17	0.00	0.00
18													18													18	0.00	0.00
19													19													19	0.00	0.00
20													20			T										20	T	T
21													21	T												21	T	T
22													22		T	T	0.02	0.07	0.06	0.10	0.10	0.04	0.07	0.19	0.11	22	0.76	0.76
23	0.13	0.04	0.06	0.02	0.01	0.01							23													23	0.27	0.27
24													24													24	0.00	0.00
25													25	T	0.03	0.14	0.09	0.08	0.05	0.04	0.03	0.05	0.09	0.04	0.01	25	0.65	0.65
26	0.01	0.01							T				26													26	0.02	0.02
27													27													27	0.00	0.00
28													28													28	0.00	0.00
29													29													29	0.00	0.00
30													30													30	0.00	0.00
31													31								0.01	0.01		T	T	31	0.02	0.02

*** 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)	0.05	0.07	0.10	0.11	0.14	0.18	0.21	0.26	0.29	0.31	0.39	0.44
Ending Date	22	23	22	22	22	22	22	22	22	22	23	23
Ending Time (Hr/Min)	2236	0049	2242	2247	2256	2302	2322	2336	2350	2350	0054	0103

Date and time are not entered for TRACE amounts.

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.

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

*** = Extreme for the month (last occurence 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
DECEMBER 2006

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:

Date	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
			SR-SS		MN-MN				
	TOTAL MINUTES	PERCENT POSSIBLE	Sky Cover	Satellite	Sky Cover	Satellite	MINIMUM	MAXIMUM	
01							10.00	10.00	
02							10.00	10.00	
03							10.00	10.00	
04							10.00	10.00	
05							8.00	10.00	
06							6.00	10.00	
07							10.00	10.00	
08							10.00	10.00	
09							10.00	10.00	
10							10.00	10.00	
11							9.00	10.00	
12							10.00	10.00	
13							0.00	9.00	
14							0.00	3.00	
15							0.00	10.00	
16							10.00	10.00	
17							6.00	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							7.00	10.00	
21							7.00	10.00	
22							2.00	10.00	
23							0.50	10.00	
24							10.00	10.00	
25							3.00	10.00	
26							2.50	10.00	
27							10.00	10.00	
28							9.00	10.00	
29							7.00	10.00	
30							5.00	10.00	
31							10.00	10.00	
MONTHLY AVGS							7.16	9.74	

SUNSHINE (Minutes)

Total : **Possible :**
Percent Possible :

NUMBER OF DAYS WITH :

SKY CONDITION

Clear	Partly CLDY	Cloudy	Missing

MINIMUM VISIBILTY (MILES)

<= .25	<= 3.0	>= 7.0
3	7	21

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

DECEMBER 2006 KILG WBAN # 13781

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE Observation Time (LST)	SATELLITE Eff Cld Amt Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION Tens of Deg	PRESSURE (INCHES, HG) STATION	PRESSURE (INCHES, HG) SEA LEVEL
						SUNRISE: 0702 DEC 01 SUNSET: 1636								
01	OVC	095			10.00		64	60	62	87	13	19	29.91	29.99
04	OVC	095			10.00		65	61	63	87	13	19	29.85	29.94
07	OVC	017			10.00		66	62	64	87	16	18	29.83	29.90
10	OVC	075			10.00		68	63	65	84	15	18	29.77	29.84
13	OVC	045			10.00		71	63	66	76	20	18	29.59	29.67
16	SCT	065			10.00		74	62	66	66	33	18	29.44	29.53
19	FEW	060			10.00		70	61	64	73	24	20	29.48	29.56
22	CLR	NC			10.00		54	32	44	43	33	28	29.72	29.80
						SUNRISE: 0703 DEC 02 SUNSET: 1636								
01	CLR	NC			10.00		44	28	38	53	15	26	29.88	29.97
04	CLR	NC			10.00		42	26	36	53	10	27	29.98	30.06
07	CLR	NC			10.00		38	27	34	65	7	22	30.06	30.15
10	CLR	NC			10.00		44	27	37	51	15	29	30.14	30.23
13	CLR	NC			10.00		46	25	38	44	18	30	30.16	30.24
16	CLR	NC			10.00		43	23	35	45	15	30	30.22	30.30
19	CLR	NC			10.00		39	22	33	51	16	30	30.30	30.39
22	CLR	NC			10.00		37	22	32	55	9	29	30.35	30.43
						SUNRISE: 0704 DEC 03 SUNSET: 1636								
01	CLR	NC			10.00		35	23	31	62	8	29	30.36	30.45
04	CLR	NC			10.00		32	22	29	67	3	25	30.38	30.47
07	CLR	NC			10.00		29	22	27	75	5	32	30.40	30.49
10	CLR	NC			10.00		40	24	34	53	0	00	30.42	30.51
13	CLR	NC			10.00		42	24	35	49	7	16	30.33	30.42
16	CLR	NC			10.00		41	27	36	58	7	18	30.28	30.37
19	CLR	NC			10.00		39	30	35	70	3	19	30.22	30.30
22	OVC	120			10.00		37	31	35	79	5	35	30.15	30.24
						SUNRISE: 0705 DEC 04 SUNSET: 1636								
01	OVC	095			10.00		37	31	35	79	6	31	30.06	30.16
04	BKN	100			10.00		37	30	34	76	8	30	30.01	30.10
07	CLR	NC			10.00		35	20	30	54	20	30	30.04	30.13
10	CLR	NC			10.00		35	15	28	44	22	31	30.11	30.21
13	FEW	050					37	15	30	41	18	29	30.10	30.19
16	CLR	NC			10.00		35	14	28	42	17	30	30.14	30.23
19	CLR	NC			10.00		31	13	25	47	10	27	30.15	30.24
22	FEW	080			10.00		29	14	24	53	5	23	30.16	30.25
						SUNRISE: 0706 DEC 05 SUNSET: 1636								
01	OVC	070			10.00		29	16	25	58	3	25	30.11	30.20
04	CLR	NC			10.00		27	14	23	58	5	20	30.12	30.22
07	CLR	NC			10.00		27	13	23	55	8	25	30.17	30.26
10	CLR	NC			10.00		35	15	29	44	15	27	30.22	30.30
13	BKN	050			10.00		38	16	31	41	14	27	30.20	30.29
16	BKN	055			10.00		35	17	29	48	10	29	30.27	30.35
19	CLR	NC			10.00		32	17	27	54	3	24	30.30	30.39
22	CLR	NC			9.00		27	19	24	72	5	30	30.32	30.41
						SUNRISE: 0707 DEC 06 SUNSET: 1636								
01	CLR	NC			8.00		26	19	24	75	0	00	30.33	30.42
04	CLR	NC			8.00		24	20	23	85	0	00	30.32	30.41
07	CLR	NC			7.00		23	19	22	85	0	00	30.29	30.39
10	CLR	NC			10.00		41	28	36	60	16	17	30.25	30.35
13	CLR	NC			10.00		48	26	39	42	20	18	30.15	30.24
16	CLR	NC			10.00		49	24	39	38	14	19	30.06	30.15
19	CLR	NC			10.00		44	27	37	51	10	17	30.01	30.10
22	BKN	120			10.00		44	31	39	60	8	19	29.98	30.06

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE Observation Time (LST)	SATELLITE Eff Cld Amt Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION Tens of Deg	PRESSURE (INCHES, HG) STATION	PRESSURE (INCHES, HG) SEA LEVEL
						SUNRISE: 0707 DEC 07 SUNSET: 1636								
01	OVC	095			10.00		46	34	41	63	7	19	29.91	30.00
04	OVC	090			10.00		43	37	40	79	6	18	29.88	29.97
07	CLR	NC			10.00		40	34	37	79	5	31	29.88	29.97
10	CLR	NC			10.00		50	30	41	46	10	27	29.88	29.97
13	BKN	070			10.00		52	27	42	38	18	30	29.83	29.91
16	BKN	090			10.00		45	24	37	44	20	30	29.86	29.95
19	CLR	NC			10.00		38	19	31	46	18	29	29.96	30.04
22	BKN	050			10.00		29	19	26	66	21	33	30.06	30.14
						SUNRISE: 0708 DEC 08 SUNSET: 1636								
01	CLR	NC			10.00		24	5	19	44	17	30	30.10	30.19
04	CLR	NC			10.00		23	5	18	46	25	29	30.11	30.20
07	CLR	NC			10.00		23	5	18	46	20	29	30.19	30.27
10	CLR	NC			10.00		28	4	22	36	23	31	30.22	30.31
13	CLR	NC			10.00		33	6	25	32	22	30	30.22	30.30
16	CLR	NC			10.00		31	12	25	45	21	30	30.25	30.34
19	CLR	NC			10.00		29	12	24	49	7	26	30.31	30.40
22	CLR	NC			10.00		27	11	22	51	10	26	30.35	30.44
						SUNRISE: 0709 DEC 09 SUNSET: 1636								
01	CLR	NC			10.00		24	11	20	58	7	25	30.36	30.45
04	CLR	NC			10.00		21	10	18	62	7	23	30.35	30.44
07	CLR	NC			10.00		22	11	19	63	9	23	30.37	30.46
10	CLR	NC			10.00		32	7	25	35	13	23	30.38	30.47
13	FEW	080			10.00		38	7	29	27	13	22	30.33	30.42
16	CLR	NC			10.00		39	10	30	30	9	21	30.32	30.41
19	CLR	NC			10.00		33	15	27	48	8	20	30.33	30.42
22	CLR	NC			10.00		31	17	27	56	6	21	30.33	30.42
						SUNRISE: 0710 DEC 10 SUNSET: 1636								
01	CLR	NC			10.00		30	18	26	61	6	19	30.30	30.39
04	CLR	NC			10.00		28	19	25	69	5	19	30.29	30.38
07	CLR	NC			10.00		29	20	26	69	0	00	30.31	30.40
10	CLR	NC			10.00		40	20	33	45	7	23	30.32	30.41
13	CLR	NC			10.00		54	22	41	29	15	25	30.27	30.35
16	CLR	NC			10.00		52	23	40	32	7	22	30.25	30.35
19	CLR	NC			10.00		45	25	37	46	7	23	30.28	30.37
22	CLR	NC			10.00		40	25	34	55	0	00	30.30	30.39
						SUNRISE: 0711 DEC 11 SUNSET: 1636								
01	CLR	NC			10.00		35	25	31	67	0	00	30.28	30.37
04	CLR	NC			10.00		32	27	30	82	0	00	30.29	30.38
07	CLR	NC			10.00		36	30	34	79	7	19	30.33	30.41
10	CLR	NC			10.00		48	31	41	52	0	00	30.36	30.45
13	CLR	NC			10.00		60	24	45	25	10	26	30.31	30.40
16	CLR	NC			10.00		58	29	45	33	8	31	30.32	30.41
19	CLR	NC			10.00		51	28	41	41	0	00	30.37	30.46
22	CLR	NC			10.00		43	29	37	58	3	01	30.40	30.49
						SUNRISE: 0712 DEC 12 SUNSET: 1636								
01	CLR	NC			10.00		44	29	38	56	6	06	30.41	30.50
04	CLR	NC			10.00		32	27	30	82	5	35	30.44	30.53
07	CLR	NC			10.00		41	32	37	70	8	05	30.47	30.56
10	CLR	NC			10.00		47	37	43	68	8	06	30.50	30.59
13	SCT	042			10.00		52	40	46	64	9	09	30.45	30.53
16	OVC	028			10.00		50	41	46	71	11	09	30.43	30.52
19	OVC	029			10.00		48	40	44	74	11	09	30.41	30.50
22	OVC	029			10.00		47	40	44	77	8	09	30.37	30.46

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE
DECEMBER 2006 KILG WBAN # 13781

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE Observation Time (LST)	SATELLITE Eff Cld Amt Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION Tens of Deg	PRESSURE (INCHES, HG) STATION	PRESSURE (INCHES, HG) SEA LEVEL
						SUNRISE: 0712 DEC 13 SUNSET: 1636								
01	SCT	050			9.00		45	42	44	89	7	07	30.31	30.40
04	OVC	014			5.00	BR	45	43	44	93	5	08	30.25	30.33
07	OVC	002			3.00	BR	46	45	46	96	0	00	30.22	30.30
10	OVC	003			1.75	-RA BR	49	48	48	96	5	22	30.20	30.29
13	OVC	060			2.50	-RA BR	49	48	48	96	7	15	30.10	30.18
16	OVC	010			5.00	BR	52	49	50	90	6	21	30.06	30.13
19	FEW	010			4.00	BR	48	46	47	93	0	00	30.04	30.13
22	VV	001			0.25	FG	42	42	42	100	0	00	30.03	30.12
						SUNRISE: 0713 DEC 14 SUNSET: 1637								
01	VV	001			0.25	FG	45	44	45	96	7	22	30.02	30.11
04	VV	001			0.25	FG	44	44	44	100	6	27	30.01	30.09
07	VV	001			0.50	FG	44	43	44	96	3	18	30.01	30.10
10	VV	001			0.25	FG	44	43	44	96	5	23	30.03	30.12
13	OVC	003			2.00	BR	45	45	45	100	6	12	29.98	30.06
16	VV	001			0.00	FG	46	45	46	96	7	14	29.93	30.02
19	VV	001			0.25	FG	42	42	42	100	5	16	29.93	30.01
22	VV	001			0.25	FG	42	42	42	100	3	17	29.86	29.95
						SUNRISE: 0714 DEC 15 SUNSET: 1637								
01	OVC	001					42	42	42	100	5	12	29.82	29.90
04	OVC	001					43	43	43	100	5	16	29.78	29.85
07	VV	001			0.25	FG	42	41	42	96	6	16	29.73	29.82
10	OVC	001			1.75	BR	44	43	44	96	5	23	29.75	29.83
13	CLR	NC			7.00		51	45	48	80	6	22	29.69	29.76
16	FEW	110			6.00	HZ	51	45	48	80	6	17	29.65	29.72
19	CLR	NC			6.00	BR	46	42	44	86	6	24	29.69	29.77
22	FEW	090			7.00		44	40	42	86	8	23	29.73	29.82
						SUNRISE: 0714 DEC 16 SUNSET: 1637								
01	CLR	NC			10.00		47	32	41	56	15	30	29.83	29.91
04	CLR	NC			10.00		41	29	36	62	8	23	29.91	29.99
07	CLR	NC			10.00		39	28	35	65	6	26	30.01	30.08
10	CLR	NC			10.00		47	30	40	52	13	31	30.06	30.15
13	CLR	NC			10.00		51	31	42	46	14	30	30.06	30.13
16	CLR	NC			10.00		48	32	41	54	8	29	30.07	30.16
19	CLR	NC			10.00		44	30	38	58	3	25	30.14	30.22
22	CLR	NC			10.00		38	30	35	73	5	29	30.14	30.23
						SUNRISE: 0715 DEC 17 SUNSET: 1638								
01	CLR	NC			10.00		34	30	32	85	0	00	30.14	30.22
04	CLR	NC			9.00		32	29	31	89	3	20	30.14	30.23
07	CLR	NC			8.00		31	29	30	92	0	00	30.12	30.21
10	CLR	NC			8.00		43	36	40	76	8	22	30.10	30.19
13	CLR	NC			10.00		54	36	46	51	9	21	30.03	30.11
16	CLR	NC			10.00		53	38	46	57	6	24	30.02	30.10
19	CLR	NC			10.00		49	37	44	63	0	00	30.04	30.13
22	OVC	070			10.00		48	39	44	71	0	00	30.03	30.12
						SUNRISE: 0716 DEC 18 SUNSET: 1638								
01	CLR	NC			10.00		46	39	43	77	3	18	30.01	30.09
04	BKN	090			10.00		45	40	43	83	0	00	29.99	30.08
07	BKN	100			10.00		45	40	43	83	3	17	30.01	30.09
10	CLR	NC			10.00		55	43	49	64	8	22	30.01	30.10
13	CLR	NC			10.00		68	47	57	47	13	23	29.94	30.03
16	FEW	080			10.00		66	50	57	57	16	30	29.98	30.07
19	SCT	090			10.00		55	44	50	67	11	31	30.09	30.16
22	CLR	NC			10.00		46	32	40	58	9	30	30.14	30.22

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE Observation Time (LST)	SATELLITE Eff Cld Amt Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION Tens of Deg	PRESSURE (INCHES, HG) STATION	PRESSURE (INCHES, HG) SEA LEVEL
						SUNRISE: 0716 DEC 19 SUNSET: 1638								
01	CLR	NC			10.00		43	31	38	63	5	33	30.16	30.24
04	CLR	NC			10.00		38	28	34	67	7	29	30.19	30.27
07	BKN	120			10.00		35	28	32	76	6	31	30.22	30.31
10	SCT	100			10.00		43	27	37	53	8	34	30.25	30.33
13	CLR	NC			10.00		47	26	39	44	6	31	30.15	30.24
16	CLR	NC			10.00		45	27	38	49	17	30	30.19	30.27
19	CLR	NC			10.00		38	25	33	60	10	32	30.27	30.35
22	CLR	NC			10.00		35	23	31	62	6	28	30.30	30.39
						SUNRISE: 0717 DEC 20 SUNSET: 1639								
01	CLR	NC			10.00		32	23	29	69	0	00	30.35	30.43
04	CLR	NC			10.00		27	21	25	78	0	00	30.35	30.44
07	CLR	NC			7.00		27	23	26	85	5	31	30.39	30.48
10	CLR	NC			8.00		37	27	33	67	5	24	30.43	30.53
13	CLR	NC			10.00		43	24	36	47	5	21	30.36	30.45
16	CLR	NC			10.00		43	23	35	45	9	19	30.32	30.41
19	CLR	NC			10.00		38	31	35	76	6	18	30.32	30.42
22	CLR	NC			10.00		35	25	31	67	3	23	30.33	30.42
						SUNRISE: 0717 DEC 21 SUNSET: 1639								
01	CLR	NC			10.00		34	25	31	70	5	18	30.28	30.37
04	CLR	NC					34	28	32	79	3	19	30.25	30.34
07	BKN	100			8.00		35	30	33	82	0	00	30.25	30.35
10	SCT	090			8.00		39	34	37	82	5	18	30.28	30.37
13	OVC	100			10.00		44	34	40	68	6	27	30.23	30.32
16	SCT	090			10.00		50	34	43	54	10	25	30.22	30.31
19	CLR	NC			10.00		45	35	41	68	5	24	30.24	30.34
22	OVC	070			10.00		45	37	41	74	0	00	30.28	30.36
						SUNRISE: 0718 DEC 22 SUNSET: 1640								
01	OVC	080			10.00		44	37	41	77	5	21	30.25	30.34
04	OVC	060			10.00		44	39	42	83	0	00	30.27	30.35
07	OVC	050			10.00		45	33	40	63	8	07	30.27	30.36
10	OVC	050			10.00		45	29	38	54	7	06	30.30	30.39
13	OVC	033			10.00		47	37	43	68	7	05	30.22	30.30
16	OVC	019			3.00	-RA BR	46	44	45	93	8	06	30.16	30.25
19	OVC	006			3.00	RA BR	48	48	48	100	7	09	30.10	30.19
22	OVC	004			4.00	RA BR	52	51	51	96	8	10	29.99	30.07
						SUNRISE: 0718 DEC 23 SUNSET: 1640								
01	OVC	006			2.00	+RA BR	57	56	56	96	18	13	29.83	29.92
04	OVC	002			4.00	-RA BR	52	52	52	100	15	16	29.75	29.83
07	OVC	004			1.00	BR	53	52	52	96	0	00	29.73	29.82
10	OVC	013			9.00		56	54	55	93	8	24	29.77	29.85
13	OVC	075			10.00		57	50	53	78	11	30	29.72	29.81
16	CLR	NC			10.00		57	37	48	47	13	28	29.75	29.83
19	CLR	NC			10.00		50	34	43	54	7	26	29.83	29.91
22	CLR	NC			10.00		46	32	40	58	7	25	29.85	29.93
						SUNRISE: 0719 DEC 24 SUNSET: 1641								
01	CLR	NC			10.00		41	32	37	70	7	24	29.88	29.96
04	CLR	NC			10.00		39	32	36	76	8	32	29.88	29.96
07	CLR	NC			10.00		41	33	38	73	7	25	29.93	30.02
10	SCT	045					48	36	43	63	15	29	30.04	30.12
13	CLR	NC			10.00		52	31	43	45	17	31	30.02	30.11
16	CLR	NC			10.00		51	31	42	46	15	30	30.09	30.18
19	CLR	NC			10.00		44	30	38	58	6	24	30.19	30.27
22	CLR	NC			10.00		39	29	35	67	3	23	30.22	30.30

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE
DECEMBER 2006 KILG WBAN # 13781

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE Observation Time (LST)	SATELLITE Eff Cld Amt Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION Tens of Deg	PRESSURE (INCHES, HG) STATION	PRESSURE (INCHES, HG) SEA LEVEL
						SUNRISE: 0719 DEC 25							SUNSET: 1642	
01	CLR	NC			10.00		37	29	34	73	0	00	30.19	30.27
04	CLR	NC			10.00		33	29	31	85	0	00	30.19	30.28
07	CLR	NC			10.00		36	32	34	85	3	09	30.14	30.23
10	CLR	NC					41	32	37	70	0	00	30.17	30.26
13	SCT	080				-RA	42	34	39	73	7	06	30.01	30.09
16	OVC	050			4.00	RA	41	39	40	93	9	04	29.93	30.01
19	OVC	003			3.00	RA	44	43	44	96	11	06	29.75	29.84
22	OVC	012			4.00	RA	49	48	48	96	11	07	29.57	29.65
						SUNRISE: 0719 DEC 26							SUNSET: 1642	
01	OVC	002			4.00		49	48	48	96	9	29	29.47	29.55
04	OVC	002			4.00		49	48	48	96	5	15	29.41	29.49
07	OVC	002			2.50	BR	50	50	50	100	5	19	29.36	29.45
10	OVC	016			8.00		50	47	48	90	11	20	29.41	29.50
13	OVC	080			10.00		51	46	48	83	14	21	29.36	29.45
16	SCT	090			10.00		52	46	49	80	10	22	29.39	29.47
19	OVC	050			10.00		50	38	44	64	18	30	29.47	29.55
22	OVC	095			10.00		45	35	41	68	17	31	29.54	29.62
						SUNRISE: 0720 DEC 27							SUNSET: 1643	
01	OVC	085			10.00		43	32	38	65	14	30	29.59	29.67
04	OVC	060			10.00		43	31	38	63	14	28	29.69	29.76
07	CLR	NC			10.00		39	25	34	57	15	30	29.78	29.86
10	CLR	NC			10.00		42	25	35	51	18	30	29.90	29.98
13	OVC	060			10.00		43	25	36	49	21	29	29.91	29.99
16	CLR	NC			10.00		44	23	36	44	11	28	29.96	30.05
19	CLR	NC			10.00		40	22	33	49	3	22	30.06	30.15
22	CLR	NC			10.00		34	23	30	64	8	28	30.14	30.23
						SUNRISE: 0720 DEC 28							SUNSET: 1644	
01	CLR	NC			10.00		33	22	29	64	0	00	30.19	30.28
04	CLR	NC			10.00		29	23	27	78	6	25	30.24	30.33
07	CLR	NC			9.00		30	26	29	85	0	00	30.29	30.38
10	CLR	NC			10.00		41	29	36	62	5	18	30.35	30.45
13	CLR	NC			10.00		49	26	40	41	8	25	30.31	30.40
16	FEW	100			10.00		45	26	37	47	5	24	30.32	30.41
19	BKN	120			10.00		45	27	38	49	0	00	30.38	30.47
22	CLR	NC			10.00		40	31	36	70	3	36	30.39	30.48
						SUNRISE: 0720 DEC 29							SUNSET: 1644	
01	CLR	NC			10.00		36	29	33	76	0	00	30.40	30.49
04	CLR	NC			10.00		32	29	31	89	3	32	30.41	30.50
07	CLR	NC			9.00		29	26	28	89	5	33	30.46	30.55
10	CLR	NC			10.00		46	34	41	63	11	05	30.52	30.61
13	CLR	NC			10.00		49	33	42	54	7	08	30.48	30.57
16	CLR	NC			10.00		50	32	42	50	8	04	30.49	30.58
19	BKN	043			10.00		44	38	41	80	6	11	30.53	30.62
22	CLR	NC			10.00		41	36	39	82	7	07	30.54	30.62
						SUNRISE: 0720 DEC 30							SUNSET: 1645	
01	OVC	028			10.00		41	36	39	82	6	05	30.49	30.58
04	OVC	035			10.00		41	35	38	79	6	03	30.48	30.57
07	SCT	039			10.00		38	32	36	79	0	00	30.43	30.51
10	OVC	031			10.00		44	36	41	74	0	00	30.43	30.52
13	FEW	022			10.00		51	41	46	69	10	23	30.30	30.39
16	CLR	NC			10.00		52	39	46	61	7	26	30.27	30.34
19	CLR	NC			8.00		45	39	42	80	5	25	30.27	30.35
22	BKN	060			6.00	BR	40	38	39	93	6	31	30.30	30.39

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE Observation Time (LST)	SATELLITE Eff Cld Amt Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION Tens of Deg	PRESSURE (INCHES, HG) STATION	PRESSURE (INCHES, HG) SEA LEVEL
						SUNRISE: 0721 DEC 31							SUNSET: 1646	
01	CLR	NC			10.00		39	32	36	76	7	35	30.36	30.45
04	CLR	NC			10.00		36	28	33	73	5	02	30.37	30.46
07	CLR	NC			10.00		32	24	29	72	6	36	30.37	30.46
10	CLR	NC			10.00		39	27	34	62	14	03	30.39	30.48
13	CLR	NC			10.00		41	27	36	58	0	00	30.35	30.43
16	OVC	050			10.00		43	33	39	68	9	16	30.29	30.38
19	OVC	041			10.00		44	36	41	74	7	13	30.25	30.34
22	OVC	035			10.00		43	38	41	83	5	08	30.17	30.26

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

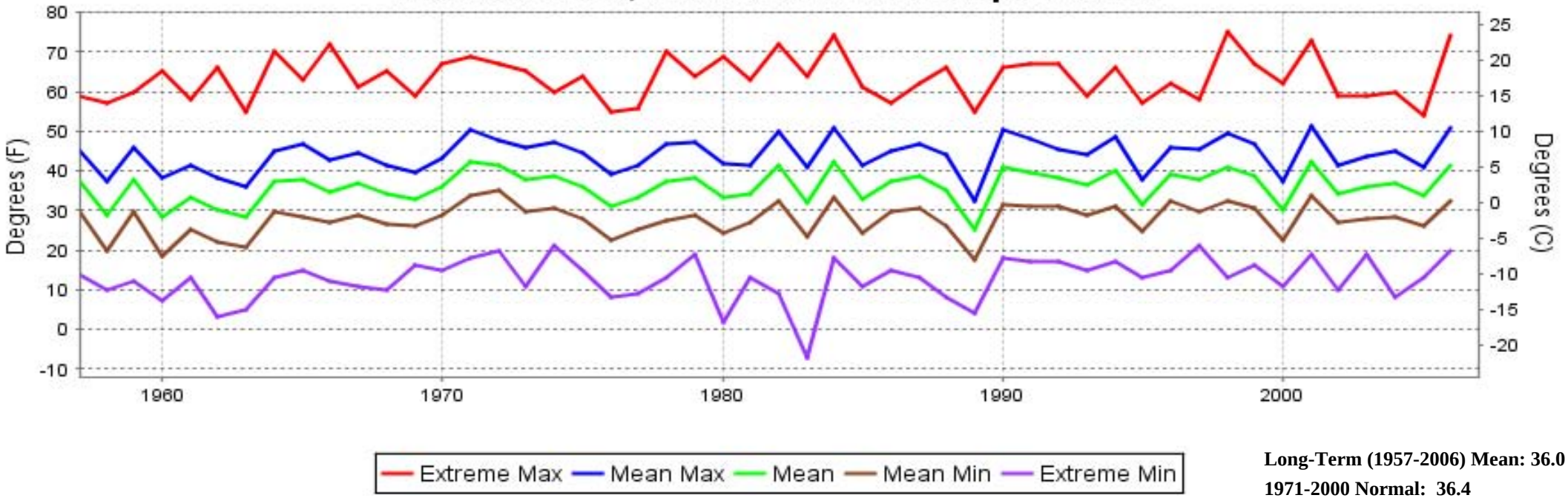
Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC = No Ceiling detected.

& = Original observation containted additional weather elements.
See page 3 for additional notes.

SUMMARY BY HOUR

HOUR (LST)	AVERAGES CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG) STATION	PRESSURE (Inches, HG) SEA LEVEL	VISIBILITY (Miles)	WIND SPEED (MPH)	RESULTANT WIND (MPH) SPEED	RESULTANT WIND (MPH) DIRECTION
01			40	31	36	72	30.12	30.20	9.11	6	3	30
02			39	31	36	74	30.11	30.20	8.82	6	3	30
03			38	31	35	76	30.12	30.21	8.76	6	3	30
04			37	31	35	78	30.12	30.20	8.97	6	3	30
05			38	30	35	77	30.11	30.20	8.68	5	4	30
06			37	30	35	78	30.12	30.21	8.36	6	4	29
07			37	30	35	77	30.13	30.22	8.23	6	4	30
08			37	31	35	78	30.14	30.23	7.88	6	4	29
09			41	32	37	72	30.15	30.24	8.18	7	5	29
10			44	32	39	64	30.16	30.25	8.78	10	5	29
11			46	32	40	60	30.15	30.24	9.11	11	6	28
12			48	32	41	56	30.12	30.21	9.30	11	6	28
13			49	32	42	55	30.10	30.19	9.36	12	6	28
14			49	32	42	54	30.09	30.18	9.24	12	7	28
15			49	32	42	54	30.09	30.17	8.98	13	6	28
16			48	32	41	57	30.09	30.18	8.97	11	5	28
17			46	32	40	61	30.11	30.19	8.98	9	4	29
18			45	32	40	64	30.11	30.20	9.01	8	3	29
19			44	32	39	65	30.12	30.21	8.85	8	3	29
20			42	32	38	67	30.13	30.22	9.03	8	4	29
21			41	31	37	69	30.13	30.21	9.02	8	4	29
22			40	31	37	71	30.13	30.22	8.73	7	4	29
23			40	31	36	72	30.13	30.22	8.72	7	4	29
24			39	31	36	72	30.13	30.21	9.02	7	4	29

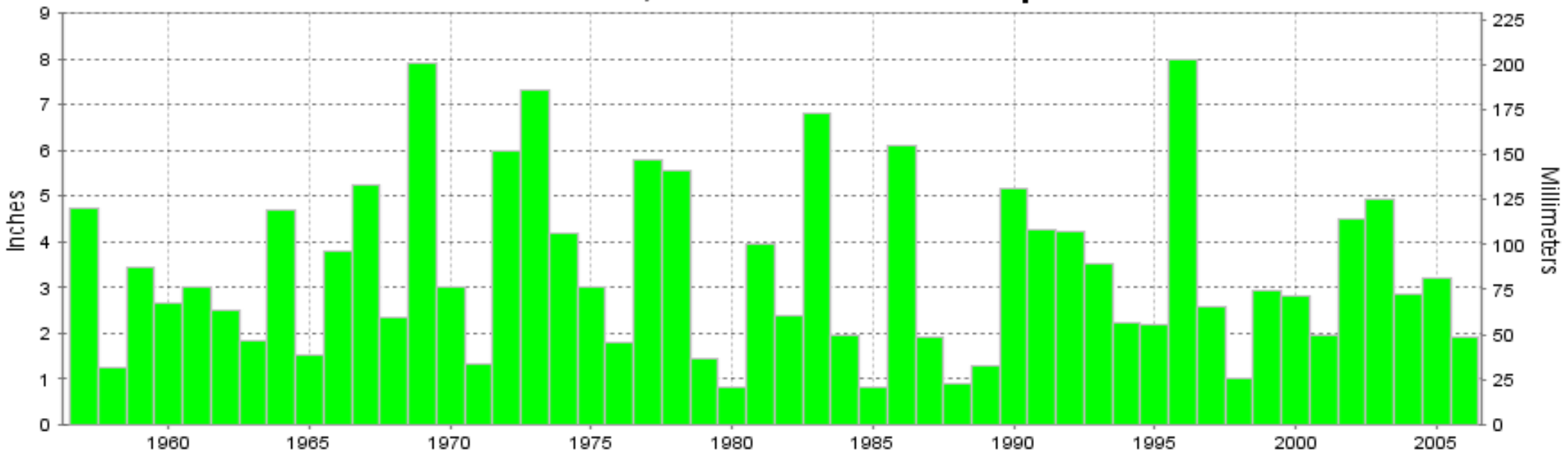
WILMINGTON, DE DECEMBER Temperatures



Long-Term (1957-2006) Mean: 36.0

1971-2000 Normal: 36.4

WILMINGTON, DE DECEMBER Precipitation



Long-Term (1957-2006) Mean Monthly Total: 3.39

1971-2000 Normal: 3.40

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LOCAL CLIMATOLOGICAL DATA
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