JANUARY 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	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		MAXIMUM 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	52	32	42	9	31	38	23	0	RA	0		0.0	T	29.80	29.87	8.2	22	13.4	33	27	28	27	01
02	37	21	29	-4	11	25	36	0	SN	0		T	T	29.88	30.04	19.2	31	20.7	39	32	32	32	02
03	28	18	23	-9	4	18	42	0		0		0.0	0.00	30.50	30.62	10.8	31	11.2	31	33	25	31	03
04	39	16	28	-4	13	24	37	0		0		0.0	0.00	30.50	30.58	7.1	22	7.4	22	24	17	22	04
05	41	22	32	0	22	30	33	0	RA	0		0.0	0.01	30.28	30.36	2.2	20	2.9	9	21	8	20	05
06	50	35	43	11	34	38	22	0	RA BR	0		0.0	0.03	30.16	30.25	3.4	18	3.9	10	23	9	16	06
07	66	40	53	21	42	46	12	0	BR HZ	0		0.0	0.00	30.14	30.23	2.4	19	2.9	14	23	10	22	07
08	66	39	53	21	47	50	12	0	BR	0		0.0	0.00	30.06	30.12	6.3	19	6.9	22	20	20	20	08
09	66*	42	54*	22	39	49	11	0	RA	0		0.0	T	29.85	29.96	11.8	24	15.3	44	27	37	28	09
10	50	33	42	10	29	37	23	0	RA	0		0.0	0.08	30.08	30.15	2.8	16	6.0	20	12	15	11	10
11	55	41	48	17	44	46	17	0	TS TSRA RA FG+ FG BR	0		0.0	0.44	29.69	29.77	2.4	28	6.3	25	25	21	25	11
12	50	34	42	11	30	38	23	0		0		0.0	0.00	29.98	30.06	6.5	31	6.9	18	32	15	31	12
13	48	30	39	8	31	36	26	0	RA BR	0		0.0	0.18	30.03	30.08	6.4	04	8.5	20	07	15	06	13
14	40	33	37	6	33	36	28	0	RA BR	0		0.0	0.03	29.79	29.89	6.4	29	7.6	20	27	16	29	14
15	37	28	33	2	21	28	32	0	SN	0		0.2	0.02	29.82	29.93	11.7	27	12.2	28	30	23	28	15
16	40	28	34	3	22	30	31	0		0		0.0	0.00	30.15	30.28	7.4	30	9.2	21	32	17	32	16
17	36	29	33	2	27	31	32	0	RA SN FG+ FG BR	0		2.6	0.61	30.18	30.23	5.2	07	6.3	16	07	13	07	17
18	47	33	40	9	29	35	25	0	RA BR UP	1		0.0	0.03	29.85	29.97	6.7	27	8.1	26	26	21	27	18
19	38	31	35	4	19	30	30	0		0		0.0	0.00	29.98	30.07	4.1	27	4.8	15	30	13	31	19
20	35	16	26	-5	3	18	39	0		0		0.0	0.00	30.17	30.26	17.1	30	17.6	36	29	30	29	20
21	28	15*	22*	-9	0	16	43	0		0		0.0	0.00	30.63	30.72	7.4	25	8.4	21	29	17	28	21
22	38	22	30	-1	21	28	35	0	RA	0		0.0	0.04	30.14	30.24	8.4	19	8.9	21	21	17	19	22
23	43	27	35	4	15	28	30	0		0		0.0	0.00	29.96	30.05	7.2	29	7.6	26	29	22	30	23
24	37	24	31	0	14	25	34	0		0		0.0	0.00	29.98	30.07	5.8	33	7.0	29	34	22	36	24
25	34	19	27	-4	7	21	38	0		0		0.0	0.00	30.29	30.38	10.1	28	11.2	24	29	20	29	25
26	33	20	27	-4	10	23	38	0		0		0.0	0.00	30.16	30.25	0.9	35	4.3	12	01	10	01	26
27	41	27	34	3	17	28	31	0		0		0.0	0.00	30.00	30.09	7.6	33	8.8	20	33	16	33	27
28	44	24	34	2	20	29	31	0		0		0.0	0.00	30.01	30.10	7.9	31	8.8	26	30	20	30	28
29	41	27	34	2	30	34	31	0	RA HZ	0		0.0	0.02	29.80	29.84	1.3	18	2.2	12	31	10	31	29
30	50	31	41	9	20	34	24	0	RA	0		0.0	0.08	29.65	29.81	11.7	25	14.9	49*	28	38*	28	30
31	42	23	33	1	8	26	32	0		0		0.0	0.00	30.39	30.52	1.9	01	6.2	16	35	13	34	31
	43.6	27.7	35.7	¤	22.4	31.5	29.1	0.0	< MONTHLY AVERAGES | TOTALS >			2.8	1.57	30.06	30.15	4.6	28	8.6	< MONTHLY AVERAGES				
	4.3	4.0	4.2		<---------- DEPARTURE FROM NORMAL ---------->								-1.86						SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3				

JANUARY 2008
WILMINGTON, DE

DEGREE DAYS

	MONTHLY TOTAL	MONTHLY DEPARTURE	SEASON TO DATE TOTAL	SEASON TO DATE DEPARTURE
HEATING :	901	-128	2482	-332
COOLING :	0	0	0	0

GREATEST 24-HR PRECIPITATION :	0.64	DATE :	17-18
GREATEST 24-HR SNOWFALL :	2.6	DATE :	17
GREATEST SNOW DEPTH :	1	DATE :	18

SEA LEVEL PRESSURE		DATE	TIME
MAXIMUM :	30.81	21	1102
MIMIMUM :	29.47	30	0551

NUMBER OF -> DAYS WITH

MAXIMUM TEMP >= 90 :	0	MINIMUM TEMP <= 32 :	22
MAXIMUM TEMP <= 32 :	2	MINIMUM TEMP <= 0 :	0
THUNDERSTORMS :	1	HEAVY FOG :	2
PRECIPITATION >= 0.01 INCH:	12		
PRECIPITATION >= 0.10 INCH:	3		
SNOWFALL >= 1.0 INCH :	1		

HOURLY PRECIPITATION
(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE (KILG)
JANUARY 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										T			01													01	T	T
02									T	T			02													02	T	T
03													03													03	0.00	0.00
04													04													04	0.00	0.00
05													05									0.01	T			05	0.01	0.01
06	T	T	0.03	T	T	T		T					06													06	0.03	0.03
07													07													07	0.00	0.00
08													08													08	0.00	0.00
09								T		T			09													09	T	T
10													10					T			0.01	T	0.04	T	0.03	10	0.08	0.08
11	0.01	T	T		0.15	0.08		0.01				T	11	0.19	T											11	0.44	0.44
12													12													12	0.00	0.00
13													13						0.01	0.06	0.06	0.03	0.02	T		13	0.18	0.18
14											T	T	14	0.01	0.01	0.01	T									14	0.03	0.03
15													15	T			T	T	T							15	T*	0.02
16													16													16	0.00	0.00
17													17	T	0.05	0.08	0.09	0.08	0.07	0.05	0.04	0.01	0.04	0.04	0.06	17	0.61	0.61
18	0.01	0.01	0.01										18													18	0.03	0.03
19													19													19	0.00	0.00
20													20													20	0.00	0.00
21													21													21	0.00	0.00
22													22		T	0.01	0.01	0.01	0.01							22	0.04	0.04
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													27													27	0.00	0.00
28													28													28	0.00	0.00
29										T	0.02	T	29	T		T		T						T	T	29	0.02	0.02
30		T	0.01	0.01	0.04	0.01			0.01	T			30													30	0.08	0.08
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)	0.16	0.19	0.21	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.24	0.27
Ending Date	11	11	11	11	11	11	11	11	11	11	17	17
Ending Time (Hr/Min)	0501	0503	0503	0509	0509	0509	0509	0509	0509	0509	1719	1738

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		
SH Shower(s)	SG Snow Grains	PY Spray	SQ Squalls
TS Thunderstorm	SN Snow	SA Sand	SS Sandstorm
VC In the Vicinity	UP Unkown Precipitation	VA Volcanic Ash	GL Glaze

Intensity (as indicated on pages 4 to 6):
'+' = Heavy ' ' = Moderate '-' = Light

WILMINGTON, DE
JANUARY 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
			SR-SS		MN-MN				
	TOTAL MINUTES	PERCENT POSSIBLE	Sky Cover	Satellite	Sky Cover	Satellite	MINIMUM	MAXIMUM	
01							7.00	10.00	
02							7.00	10.00	
03							10.00	10.00	
04							10.00	10.00	
05							9.00	10.00	
06							4.00	10.00	
07							5.00	10.00	
08							2.50	10.00	
09							10.00	10.00	
10							8.00	10.00	
11							0.00	10.00	
12							7.00	10.00	
13							5.00	10.00	
14							4.00	10.00	
15							2.00	10.00	
16							10.00	10.00	
17							0.25	10.00	
18							2.50	10.00	
19							10.00	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							8.00	10.00	
24							9.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							8.00	10.00	
28							7.00	10.00	
29							3.00	7.00	
30							9.00	10.00	
31							10.00	10.00	
MONTHLY AVGS							7.01	9.90	

SUNSHINE (Minutes)

Total : 0 Possible : 18136
Percent Possible : 0

NUMBER OF DAYS WITH :
SKY CONDITION

Clear	Partly CLDY	Cloudy	Missing

MINIMUM VISIBILTY (MILES)

<= .25	<= 3.0	>= 7.0
2	6	21

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE
JANUARY 2008 **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: 0723 JAN 01 SUNSET: 1649								
01	CLR	NC			8.00		35	32	34	89	8	13	30.01	30.09
04	FEW	120			7.00		39	36	38	89	11	13	29.91	29.99
07	OVC	090			10.00		45	40	43	83	22	16	29.80	29.89
10	FEW	090			10.00		47	40	44	77	10	21	29.77	29.85
13	FEW	095			10.00		47	37	42	68	9	22	29.69	29.77
16	CLR	NC			10.00		45	21	36	39	21	27	29.72	29.80
19	FEW	055			10.00		40	21	33	47	15	26	29.75	29.84
22	FEW	055			10.00		37	22	32	55	11	24	29.75	29.83
						SUNRISE: 0723 JAN 02 SUNSET: 1650								
01	OVC	055			10.00		36	20	30	52	15	26	29.73	29.82
04	OVC	065			10.00		33	18	28	54	22	28	29.73	29.82
07	OVC	047			10.00		32	19	28	59	20	29	29.78	29.88
10	OVC	045			10.00		32	16	27	52	22	32	29.86	29.95
13	CLR	NC			10.00		35	11	28	37	20	31	29.88	29.97
16	CLR	NC			10.00		31	8	24	38	23	31	29.98	30.08
19	CLR	NC			10.00		27	3	21	35	26	32	30.14	30.24
22	CLR	NC			10.00		23	1	18	38	14	33	30.27	30.36
						SUNRISE: 0723 JAN 03 SUNSET: 1651								
01	CLR	NC			10.00		20	2	16	45	18	32	30.36	30.45
04	CLR	NC			10.00		19	4	15	52	13	30	30.41	30.50
07	CLR	NC			10.00		19	5	16	54	14	31	30.48	30.57
10	CLR	NC			10.00		23	3	18	42	16	34	30.57	30.66
13	CLR	NC			10.00		27	1	21	32	18	31	30.55	30.64
16	CLR	NC			10.00		27	3	21	35	15	32	30.57	30.66
19	CLR	NC			10.00		22	4	18	46	0	00	30.60	30.70
22	CLR	NC			10.00		21	7	17	55	0	00	30.63	30.72
						SUNRISE: 0723 JAN 04 SUNSET: 1651								
01	CLR	NC			10.00		19	8	16	62	6	22	30.60	30.69
04	CLR	NC			10.00		19	10	17	68	5	26	30.57	30.66
07	CLR	NC			10.00		19	11	17	71	3	22	30.57	30.66
10	CLR	NC			10.00		27	15	23	61	9	23	30.58	30.67
13	CLR	NC			10.00		38	11	29	33	13	21	30.47	30.56
16	CLR	NC			10.00		38	10	29	31	13	22	30.43	30.52
19	FEW	120			10.00		33	15	27	48	9	21	30.43	30.52
22	CLR	NC			10.00		33	17	28	52	9	20	30.39	30.48
						SUNRISE: 0723 JAN 05 SUNSET: 1652								
01	CLR	NC			10.00		30	17	26	58	0	00	30.35	30.44
04	CLR	NC			10.00		26	17	23	69	0	00	30.32	30.41
07	CLR	NC			10.00		23	17	21	78	0	00	30.32	30.41
10	CLR	NC			10.00		34	22	30	62	6	18	30.32	30.41
13	CLR	NC			10.00		40	22	33	49	3	21	30.24	30.33
16	CLR	NC			10.00		40	23	34	51	6	15	30.22	30.30
19	FEW	095			10.00		38	23	33	55	6	20	30.23	30.32
22	BKN	095			10.00		37	27	33	67	0	00	30.20	30.29
						SUNRISE: 0723 JAN 06 SUNSET: 1653								
01	OVC	060			10.00		37	30	34	76	0	00	30.16	30.25
04	OVC	100			8.00		36	31	34	82	5	20	30.16	30.25
07	OVC	080			7.00		36	33	35	89	0	00	30.19	30.27
10	OVC	041			9.00		40	35	38	82	5	19	30.20	30.29
13	OVC	049			10.00		47	34	41	61	6	22	30.14	30.22
16	CLR	NC			10.00		49	38	44	66	6	15	30.14	30.23
19	FEW	090			9.00		44	37	41	77	3	19	30.17	30.26
22	OVC	075			8.00		42	35	39	76	6	18	30.16	30.25

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: 0723 JAN 07 SUNSET: 1654								
01	OVC	110			7.00		43	38	41	83	0	00	30.14	30.22
04	OVC	085			7.00		42	39	41	89	0	00	30.14	30.22
07	OVC	070			7.00		43	39	41	86	0	00	30.15	30.24
10	OVC	070			6.00	HZ	49	41	45	74	0	00	30.19	30.27
13	BKN	065			10.00		61	45	53	56	7	25	30.14	30.22
16	CLR	NC			10.00		63	47	55	56	6	16	30.11	30.20
19	CLR	NC			10.00		50	43	47	77	0	00	30.14	30.23
22	CLR	NC			9.00		47	43	45	86	0	00	30.14	30.23
						SUNRISE: 0723 JAN 08 SUNSET: 1655								
01	CLR	NC			6.00	BR	44	42	43	93	0	00	30.12	30.21
04	CLR	NC			5.00	BR	42	40	41	93	0	00	30.11	30.20
07	CLR	NC			5.00	BR	40	38	39	93	0	00	30.11	30.20
10	CLR	NC			7.00		51	47	49	86	6	14	30.14	30.22
13	CLR	NC			10.00		63	51	56	65	11	23	30.03	30.12
16	CLR	NC			10.00		65	51	57	61	10	19	29.98	30.06
19	CLR	NC			10.00		58	50	54	75	11	18	29.96	30.05
22	CLR	NC			10.00		60	52	56	75	11	19	29.93	30.00
						SUNRISE: 0723 JAN 09 SUNSET: 1656								
01	CLR	NC			10.00		52	48	50	86	8	15	29.85	29.94
04	CLR	NC			10.00		61	54	57	78	20	19	29.78	29.86
07	OVC	110			10.00		60	54	57	81	11	20	29.72	29.80
10	OVC	085			10.00		62	54	58	75	16	23	29.80	29.88
13	CLR	NC			10.00		65	36	51	34	25	29	29.83	29.92
16	CLR	NC			10.00		59	24	44	26	13	28	29.91	29.99
19	CLR	NC			10.00		53	25	41	34	13	28	30.01	30.09
22	CLR	NC			10.00		48	26	39	42	5	23	30.04	30.13
						SUNRISE: 0723 JAN 10 SUNSET: 1657								
01	CLR	NC			10.00		43	26	36	51	6	25	30.09	30.17
04	CLR	NC			10.00		39	27	34	62	6	25	30.11	30.19
07	CLR	NC			10.00		37	27	33	67	0	00	30.12	30.21
10	CLR	NC			10.00		44	30	38	58	3	27	30.14	30.23
13	BKN	075			10.00		49	25	39	39	6	15	30.09	30.17
16	BKN	100			10.00		49	25	39	39	5	12	30.03	30.12
19	OVC	042			10.00		44	31	39	60	11	15	30.01	30.10
22	OVC	026			10.00		41	34	38	76	13	11	29.94	30.03
						SUNRISE: 0723 JAN 11 SUNSET: 1658								
01	OVC	022			10.00	-RA	41	38	40	89	8	09	29.85	29.94
04	OVC	006			10.00		42	40	41	93	6	06	29.75	29.83
07	OVC	002			0.75	BR	45	44	45	96	3	07	29.65	29.74
10	VV	001			0.00	FG	48	47	48	96	13	28	29.62	29.70
13	OVC	028			3.00	TSRA BR	52	50	51	93	14	27	29.57	29.65
16	OVC	070			10.00		54	48	51	80	3	20	29.62	29.71
19	SCT	043			10.00		48	46	47	93	6	18	29.70	29.79
22	OVC	049			10.00		50	40	45	69	7	29	29.78	29.87
						SUNRISE: 0722 JAN 12 SUNSET: 1659								
01	SCT	050			10.00		45	34	40	65	6	27	29.83	29.90
04	CLR	NC			10.00		40	33	37	76	9	31	29.85	29.94
07	CLR	NC			10.00		38	29	34	70	5	29	29.93	30.02
10	CLR	NC			10.00		46	31	40	56	9	32	30.01	30.09
13	CLR	NC			10.00		50	29	41	44	9	32	29.98	30.07
16	CLR	NC			10.00		46	29	39	52	8	31	29.99	30.08
19	CLR	NC			10.00		42	29	37	60	6	30	30.04	30.13
22	CLR	NC			10.00		39	28	35	65	6	35	30.07	30.16

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE
JANUARY 2008 **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: 0722 JAN 13 SUNSET: 1700								
01	CLR	NC			10.00		36	28	33	73	3	31	30.09	30.16
04	CLR	NC			10.00		34	26	31	73	5	36	30.07	30.16
07	CLR	NC			10.00		31	26	29	82	0	00	30.09	30.18
10	CLR	NC			10.00		42	29	37	60	13	06	30.09	30.17
13	CLR	NC			10.00		46	30	39	54	13	06	30.01	30.08
16	OVC	033			10.00		46	33	40	61	14	09	29.94	30.03
19	OVC	020			5.00	RA	41	35	38	79	8	04	29.94	30.03
22	OVC	046			6.00	RA BR	39	36	38	89	8	34	29.88	29.96
						SUNRISE: 0722 JAN 14 SUNSET: 1701								
01	OVC	010			10.00		39	37	38	93	7	34	29.80	29.89
04	OVC	012			10.00		39	37	38	93	8	03	29.78	29.87
07	OVC	014			10.00		38	35	37	89	6	32	29.80	29.88
10	OVC	021			10.00		40	35	38	82	0	00	29.83	29.91
13	OVC	014			4.00	-RA BR	39	36	38	89	7	26	29.77	29.85
16	OVC	070			10.00		38	33	36	82	14	28	29.78	29.86
19	OVC	070			10.00		37	31	35	79	8	27	29.82	29.90
22	CLR	NC			10.00		35	25	31	67	9	27	29.83	29.92
						SUNRISE: 0721 JAN 15 SUNSET: 1702								
01	CLR	NC			10.00		32	22	29	67	9	25	29.83	29.92
04	CLR	NC			10.00		31	20	27	64	10	27	29.83	29.91
07	CLR	NC			10.00		28	19	25	69	8	23	29.83	29.91
10	CLR	NC			10.00		34	21	29	59	11	26	29.83	29.92
13	BKN	037			8.00	-SN	35	22	30	59	16	29	29.78	29.86
16	SCT	065			2.00	-SN	33	25	30	72	14	29	29.80	29.89
19	CLR	NC			10.00		33	19	28	56	14	26	29.88	29.96
22	CLR	NC			10.00		32	18	27	56	14	28	29.93	30.02
						SUNRISE: 0721 JAN 16 SUNSET: 1703								
01	CLR	NC			10.00		31	19	27	61	14	29	29.99	30.08
04	CLR	NC			10.00		31	22	28	69	11	27	30.06	30.15
07	OVC	049			10.00		30	22	27	72	7	25	30.14	30.22
10	CLR	NC			10.00		36	24	32	62	16	31	30.23	30.32
13	BKN	036			10.00		38	24	33	57	11	32	30.22	30.30
16	FEW	040			10.00		39	23	33	53	9	34	30.22	30.31
19	CLR	NC			10.00		34	22	30	62	5	29	30.28	30.37
22	CLR	NC			10.00		32	20	28	61	7	03	30.31	30.40
						SUNRISE: 0721 JAN 17 SUNSET: 1704								
01	CLR	NC			10.00		30	22	27	72	0	00	30.31	30.40
04	CLR	NC			10.00		30	22	27	72	3	31	30.30	30.39
07	CLR	NC			10.00		31	21	28	66	9	09	30.27	30.35
10	CLR	NC			10.00		33	22	29	64	5	10	30.27	30.36
13	OVC	030			3.00	-SN	36	28	33	73	6	08	30.16	30.25
16	OVC	002			0.50	SN FG	33	31	32	92	8	07	30.09	30.17
19	OVC	006			5.00	RA BR	34	32	33	92	10	07	30.01	30.09
22	OVC	004			4.00	RA BR	35	34	35	96	8	03	29.90	29.98
						SUNRISE: 0720 JAN 18 SUNSET: 1706								
01	OVC	013			3.00	-RA BR	35	34	35	96	8	33	29.83	29.92
04	OVC	014			9.00		35	33	34	92	8	31	29.75	29.84
07	OVC	004			6.00	BR	35	33	34	92	7	27	29.80	29.89
10	OVC	009			6.00	BR	36	33	35	89	11	25	29.88	29.98
13	CLR	NC			10.00		45	35	41	68	9	22	29.88	29.96
16	CLR	NC			10.00		47	27	39	46	10	27	29.91	29.99
19	CLR	NC			10.00		40	26	35	57	3	21	29.98	30.06
22	CLR	NC			10.00		35	17	29	48	3	29	30.01	30.09

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: 0720 JAN 19 SUNSET: 1707								
01	BKN	048			10.00		34	19	29	54	7	30	30.03	30.12
04	CLR	NC			10.00		33	18	28	54	5	35	30.03	30.12
07	CLR	NC			10.00		33	19	28	56	0	00	30.07	30.16
10	CLR	NC			10.00		35	18	29	50	6	26	30.07	30.16
13	BKN	095			10.00		38	18	31	44	8	26	29.98	30.06
16	FEW	090			10.00		38	18	31	44	7	28	29.93	30.02
19	BKN	085			10.00		36	21	31	55	0	00	29.91	29.99
22	OVC	095			10.00		35	22	30	59	6	24	29.88	29.97
						SUNRISE: 0719 JAN 20 SUNSET: 1708								
01	SCT	100			10.00		34	20	29	57	9	29	29.83	29.92
04	FEW	060			10.00		30	13	25	49	20	31	29.91	29.98
07	CLR	NC			10.00		22	4	18	46	15	30	30.02	30.11
10	FEW	048			10.00		23	3	18	42	16	30	30.14	30.22
13	CLR	NC			10.00		24	-0	18	35	24	31	30.16	30.25
16	CLR	NC			10.00		23	-2	17	33	18	29	30.23	30.32
19	CLR	NC			10.00		19	-3	14	37	18	29	30.37	30.46
22	CLR	NC			10.00		17	-2	13	43	14	28	30.48	30.57
						SUNRISE: 0719 JAN 21 SUNSET: 1709								
01	CLR	NC			10.00		15	-0	12	51	7	26	30.52	30.61
04	CLR	NC			10.00		15	-1	12	49	9	26	30.59	30.68
07	CLR	NC			10.00		15	-2	12	47	8	27	30.66	30.75
10	CLR	NC			10.00		22	-1	17	36	10	28	30.72	30.81
13	CLR	NC			10.00		26	-0	20	32	13	26	30.65	30.74
16	CLR	NC			10.00		28	-0	21	30	11	25	30.63	30.72
19	CLR	NC			10.00		24	2	19	38	7	21	30.63	30.72
22	CLR	NC			10.00		21	4	17	48	6	18	30.59	30.68
						SUNRISE: 0718 JAN 22 SUNSET: 1710								
01	CLR	NC			10.00		23	8	19	52	9	17	30.53	30.62
04	CLR	NC			10.00		24	13	21	63	9	17	30.43	30.52
07	CLR	NC			10.00		25	13	22	60	11	18	30.35	30.43
10	OVC	028			10.00		32	17	27	54	14	20	30.27	30.35
13	BKN	110			10.00		38	20	32	48	14	21	30.09	30.17
16	OVC	050			10.00	-RA	35	29	33	79	7	20	29.98	30.06
19	BKN	080			10.00		34	30	32	85	5	19	29.93	30.01
22	OVC	070			10.00		36	32	34	85	5	26	29.88	29.96
						SUNRISE: 0717 JAN 23 SUNSET: 1711								
01	SCT	046			10.00		34	31	33	89	3	30	29.86	29.95
04	CLR	NC			8.00		31	27	30	85	6	31	29.88	29.97
07	CLR	NC			10.00		31	22	28	69	9	31	29.96	30.04
10	CLR	NC			10.00		37	18	30	46	11	28	30.01	30.09
13	CLR	NC			10.00		42	8	31	24	16	28	29.96	30.04
16	CLR	NC			10.00		39	6	29	25	16	30	29.98	30.06
19	CLR	NC			10.00		29	7	23	39	6	30	30.01	30.09
22	BKN	060			10.00		30	8	24	39	0	00	30.01	30.09
						SUNRISE: 0717 JAN 24 SUNSET: 1712								
01	OVC	060			10.00		27	12	23	53	7	25	30.01	30.09
04	BKN	060			10.00		27	16	24	63	0	00	29.98	30.07
07	SCT	055			10.00		25	16	22	69	0	00	29.98	30.06
10	OVC	050			10.00		32	16	27	52	5	VR	29.98	30.06
13	CLR	NC			10.00		33	11	26	40	3	04	29.91	29.99
16	CLR	NC			10.00		36	11	28	35	15	34	29.90	29.98
19	CLR	NC			10.00		30	14	25	51	10	31	29.99	30.09
22	BKN	060			10.00		30	17	26	58	10	34	30.09	30.18

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE
JANUARY 2008 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: 0716		JAN 25		SUNSET: 1714							
01	CLR	NC			10.00		25	7	20	46	17	32	30.19	30.27
04	CLR	NC			10.00		22	7	18	52	18	32	30.27	30.36
07	CLR	NC			10.00		21	7	17	55	8	29	30.35	30.44
10	CLR	NC			10.00		27	8	22	44	14	29	30.38	30.47
13	CLR	NC			10.00		33	7	26	33	14	27	30.28	30.37
16	CLR	NC			10.00		33	5	25	30	16	29	30.27	30.35
19	CLR	NC			10.00		28	6	22	39	7	23	30.28	30.37
22	CLR	NC			10.00		26	7	21	44	8	25	30.27	30.35
			SUNRISE: 0715		JAN 26		SUNSET: 1715							
01	CLR	NC			10.00		24	6	19	46	5	29	30.23	30.32
04	CLR	NC			10.00		22	7	18	52	5	29	30.23	30.32
07	OVC	110			10.00		23	10	19	57	5	33	30.24	30.33
10	BKN	100			10.00		28	5	22	37	6	04	30.23	30.32
13	FEW	095			10.00		32	6	25	33	5	13	30.15	30.24
16	OVC	085			10.00		32	9	25	38	0	00	30.11	30.20
19	OVC	090			10.00		32	14	26	47	3	12	30.07	30.16
22	OVC	080			10.00		31	17	26	56	0	00	30.06	30.15
			SUNRISE: 0715		JAN 27		SUNSET: 1716							
01	OVC	070			10.00		32	14	26	47	5	05	30.01	30.09
04	OVC	060			10.00		31	16	26	54	7	05	29.99	30.08
07	OVC	065			10.00		31	16	26	54	6	32	30.01	30.09
10	CLR	NC			10.00		36	17	30	46	8	33	30.02	30.11
13	CLR	NC			10.00		40	17	32	39	14	31	29.98	30.06
16	CLR	NC			10.00		40	17	32	39	10	31	29.96	30.04
19	CLR	NC			10.00		34	18	29	52	10	31	30.01	30.09
22	CLR	NC			9.00		29	19	26	66	6	33	30.02	30.11
			SUNRISE: 0714		JAN 28		SUNSET: 1717							
01	CLR	NC			10.00		30	19	26	64	10	32	30.03	30.12
04	CLR	NC			10.00		25	17	23	72	7	29	30.04	30.14
07	CLR	NC			9.00		27	17	24	66	5	28	30.06	30.14
10	CLR	NC			10.00		36	18	30	48	15	33	30.07	30.16
13	CLR	NC			10.00		43	20	35	40	13	33	30.01	30.09
16	CLR	NC			10.00		42	21	34	43	14	31	29.96	30.05
19	CLR	NC			10.00		35	21	30	57	7	29	29.98	30.07
22	CLR	NC			9.00		33	22	29	64	8	27	29.98	30.06
			SUNRISE: 0713		JAN 29		SUNSET: 1718							
01	CLR	NC			7.00		30	22	27	72	7	25	29.93	30.02
04	CLR	NC			6.00	HZ	27	21	25	78	0	00	29.86	29.95
07	OVC	090			5.00	HZ	31	25	29	78	0	00	29.86	29.95
10	BKN	075			4.00	-RA	36	30	34	79	5	14	29.83	29.91
13	OVC	085			4.00	HZ	39	33	37	79	0	00	29.73	29.82
16	BKN	100			5.00	HZ	41	33	38	73	3	18	29.69	29.77
19	BKN	042			6.00	HZ	40	34	37	79	3	36	29.67	29.76
22	CLR	NC			7.00		40	33	37	76	0	00	29.59	29.68
			SUNRISE: 0712		JAN 30		SUNSET: 1720							
01	FEW	070			9.00		41	34	38	76	3	09	29.52	29.60
04	OVC	085			10.00	-RA	43	36	40	76	13	16	29.43	29.51
07	OVC	033			10.00		49	43	46	80	18	20	29.41	29.48
10	BKN	080			10.00		45	24	37	44	31	27	29.59	29.67
13	CLR	NC			10.00		46	14	35	27	17	27	29.72	29.80
16	CLR	NC			10.00		43	5	31	21	20	27	29.85	29.92
19	CLR	NC			10.00		37	6	28	27	7	25	29.99	30.08
22	CLR	NC			10.00		34	6	26	31	10	27	30.11	30.20

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: 0711		JAN 31		SUNSET: 1721							
01	CLR	NC			10.00		30	6	23	36	6	24	30.22	30.31
04	CLR	NC			10.00		28	6	22	39	0	00	30.30	30.39
07	CLR	NC			10.00		24	6	19	46	6	30	30.42	30.52
10	CLR	NC			10.00		33	5	25	30	10	33	30.49	30.58
13	CLR	NC			10.00		38	3	28	23	3	VR	30.48	30.57
16	CLR	NC			10.00		40	6	30	24	6	05	30.46	30.55
19	CLR	NC			10.00		35	10	27	35	6	07	30.45	30.54
22	FEW	120			10.00		33	18	28	54	8	08	30.48	30.57

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

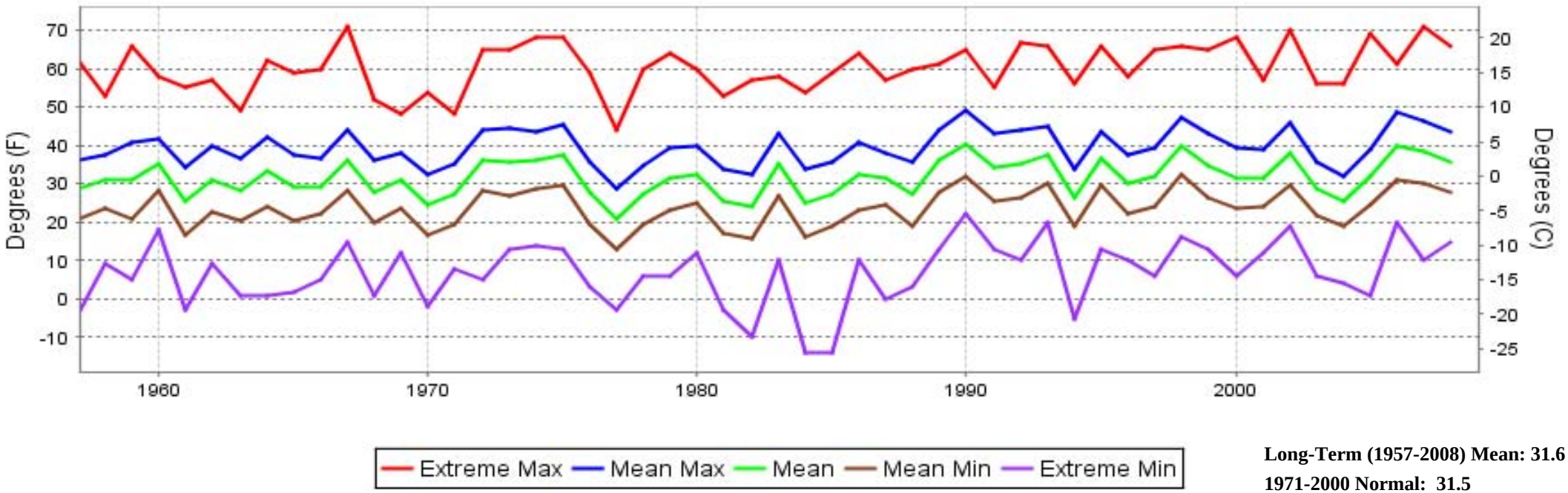
Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC = No Ceiling detected.

& = 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			33	22	30	66	30.06	30.15	9.35	7	4	28
02			33	23	30	67	30.06	30.14	9.32	7	4	28
03			33	23	30	68	30.06	30.14	9.26	7	4	29
04			32	23	29	69	30.05	30.14	9.35	8	4	28
05			32	23	29	70	30.05	30.14	9.14	7	5	28
06			32	23	29	70	30.06	30.15	9.32	8	4	29
07			32	23	29	70	30.07	30.16	9.02	7	5	29
08			32	23	29	72	30.08	30.16	8.51	7	5	28
09			35	24	31	67	30.09	30.18	8.52	8	6	28
10			37	23	32	60	30.10	30.19	9.10	10	6	28
11			39	22	33	53	30.09	30.18	9.33	11	7	28
12			40	22	34	50	30.07	30.16	9.45	11	8	28
13			41	22	35	49	30.05	30.13	9.10	11	8	28
14			42	22	35	48	30.04	30.12	9.47	11	6	28
15			42	21	34	47	30.03	30.12	9.40	12	7	28
16			41	21	34	48	30.04	30.13	9.27	11	6	28
17			39	22	33	53	30.05	30.14	9.51	10	5	28
18			37	22	32	56	30.06	30.15	9.65	9	4	28
19			36	22	32	57	30.08	30.16	9.52	8	4	28
20			36	22	31	58	30.09	30.17	9.61	8	3	29
21			35	22	31	61	30.09	30.17	9.48	7	4	29
22			35	22	31	61	30.08	30.17	9.42	7	4	29
23			34	22	30	62	30.08	30.17	9.47	8	4	29
24			33	22	30	64	30.08	30.17	9.25	7	4	28

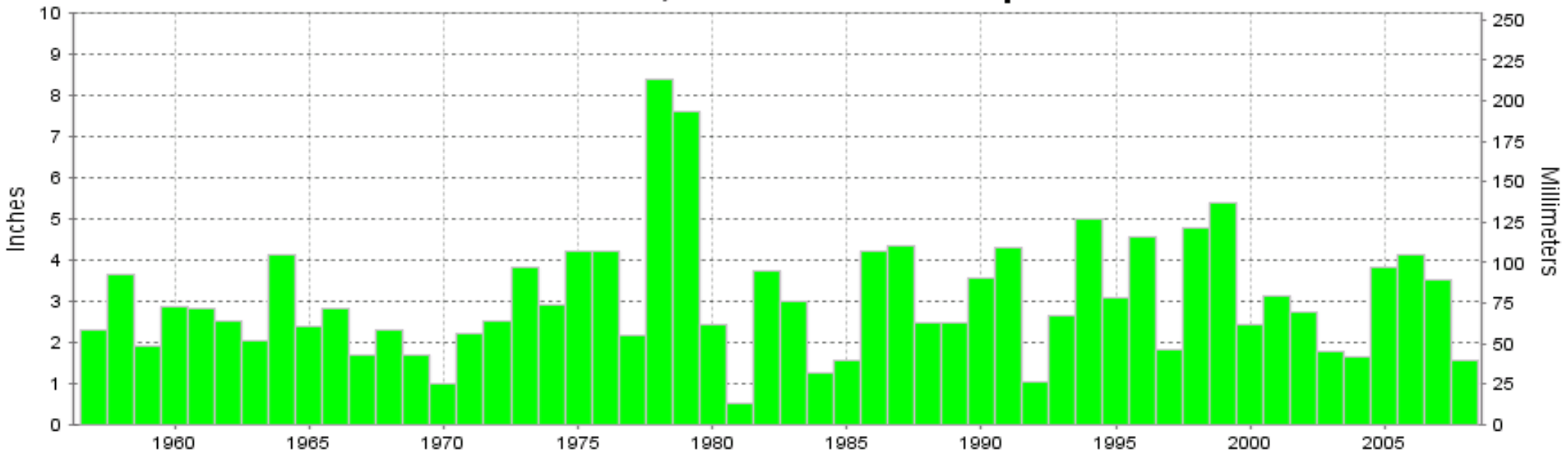
WILMINGTON, DE JANUARY Temperatures



Long-Term (1957-2008) Mean: 31.6

1971-2000 Normal: 31.5

WILMINGTON, DE JANUARY Precipitation



Long-Term (1957-2008) Mean Monthly Total: 3.06 **1971-2000 Normal: 3.43**

Published By: National Climatic Data Center

JANUARY 2008
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** 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
Local Climatological Data is available at www.ncdc.noaa.gov

United States Department of Commerce | National Oceanic and Atmospheric Administration | National Environmental Satellite Atmospheric Administration

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

NCDC Subscription Services Center
310 State Route 956 Building 300
Rocket Center, WV 26726

FIRST CLASS
POSTAGE AND FEES PAID
NOAA
PERMIT G-19

OFFICIAL BUSINESS, PENALTY FOR PRIVATE USE $300