AUGUST 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	95	76	86	9	76	79	0	21	BR HZ	0		0.0	0.00	29.85	29.93	6.7	25	7.4	16	23	15	23	01
02	95	79	87	10	75	78	0	22	HZ	0		0.0	0.00	29.81	29.89	7.5	25	8.3	20	28	15	26	02
03	96*	79	88*	11	75	78	0	23	HZ	0		0.0	0.00	29.74	29.82	6.6	24	7.7	20	29	16	29	03
04	89	71	80	3	69	73	0	15		0		0.0	0.00	29.77	29.87	7.4	30	9.1	24	01	18	36	04
05	89	65	77	1	59	66	0	12		0		0.0	0.00	29.96	30.07	5.6	32	6.5	18	33	13	30	05
06	87	64	76	0	61	67	0	11		0		0.0	0.00	30.08	30.16	4.4	14	9.1	22	15	17	15	06
07	90	71	81	5	71	74	0	16	RA VCTS	0		0.0	0.05	29.97	30.04	7.3	21	8.2	17	21	15	23	07
08	88	68	78	2	61	68	0	13	TS RA BR	0		0.0	0.01	29.93	30.03	8.5	33	9.3	22	31	17	30	08
09	84	63	74	-2	57	64	0	9		0		0.0	0.00	30.01	30.09	2.4	13	8.1	16	15	14	16	09
10	82	68	75	-1	66	69	0	10	RA	0		0.0	T	29.82	29.90	7.4	21	8.0	25	24	21	23	10
11	82	64	73	-3	54	62	0	8	BR HZ	0		0.0	0.00	29.82	29.92	7.6	36	8.6	22	04	20	01	11
12	81	58	70	-6	48	58	0	5		0		0.0	0.00	29.96	30.05	4.8	34	6.7	18	04	14	02	12
13	83	55*	69	-7	49	59	0	4		0		0.0	0.00	30.00	30.08	3.1	28	6.6	17	26	15	26	13
14	87	63	75	-1	62	67	0	10		0		0.0	0.00	29.89	29.95	10.1	20	10.5	28*	21	20	20	14
15	88	69	79	4	66	70	0	14		0		0.0	0.00	29.79	29.90	4.4	26	7.5	20	22	15	21	15
16	88	64	76	1	58	65	0	11		0		0.0	0.00	30.00	30.10	3.9	35	6.7	15	07	14	01	16
17	89	64	77	2	61	66	0	12		0		0.0	0.00	30.10	30.19	2.8	11	7.0	22	16	17	15	17
18	86	64	75	0	63	67	0	10		0		0.0	0.00	30.09	30.17	4.3	12	6.8	20	15	17	15	18
19	85	70	78	3	69	72	0	13		0		0.0	0.00	29.94	30.00	8.7	16	9.3	23	15	22	15	19
20	91	75	83	8	67	72	0	18	HZ	0		0.0	0.00	29.76	29.85	8.0	26	9.8	20	28	17	27	20
21	86	64	75	1	57	64	0	10		0		0.0	0.00	29.93	30.02	6.8	31	7.8	21	28	17	30	21
22	88	60	74	0	59	66	0	9		0		0.0	0.00	29.96	30.05	2.5	26	4.8	16	28	13	28	22
23	89	62	76	2	59	66	0	11	BR HZ	0		0.0	0.00	29.90	29.98	3.5	35	5.6	15	32	13	33	23
24	84	64	74	0	61	66	0	9	RA HZ	0		0.0	T	29.88	29.97	2.7	09	6.6	22	30	18	30	24
25	90	70	80	6	66	71	0	15	BR HZ	0		0.0	0.00	29.88	29.97	2.3	04	6.7	18	08	15	09	25
26	81	70	76	2	66	69	0	11	RA BR	0		0.0	T	30.00	30.10	11.3	07	11.8	22	03	20	04	26
27	84	71	78	5	71	73	0	13	RA BR HZ VCTS	0		0.0	0.91	29.98	30.05	9.7	13	10.4	21	10	17	16	27
28	84	74	79	6	71	73	0	14	RA BR HZ	0		0.0	T	29.80	29.88	2.4	27	8.1	18	17	14	17	28
29	84	71	78	5	72	73	0	13	TS TSRA RA FG+ BR HZ VCTS	0		0.0	1.62	29.70	29.78	6.1	11	8.4	24	06	21	06	29
30	72	66	69	-4	64	66	0	4	RA BR	0		0.0	T	29.83	29.95	8.3	03	8.7	17	02	15	02	30
31	74	64	69*	-3	53	60	0	4		0		0.0	0.00	30.03	30.14	11.5	05	12.2	26	05	22*	06	31
	86.2	67.3	76.8	¤	63.4	68.4	0.0	11.9	< MONTHLY AVERAGES | TOTALS >			0.0	2.59	29.91	30.00	0.6	28	8.1	< MONTHLY AVERAGES				
	2.1	1.5	1.8		<---------- DEPARTURE FROM NORMAL ---------->								-0.92	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									

AUGUST 2006
WILMINGTON, DE

DEGREE DAYS

	MONTHLY TOTAL	MONTHLY DEPARTURE	SEASON TO DATE TOTAL	SEASON TO DATE DEPARTURE
HEATING :	0	-2	0	-3
COOLING :	370	53	1048	75

GREATEST 24-HR PRECIPITATION :	1.62	DATE :	29
GREATEST 24-HR SNOWFALL :	0.0	DATE :	
GREATEST SNOW DEPTH :	0	DATE :	

SEA LEVEL PRESSURE		DATE	TIME
MAXIMUM :	30.23	17	1003
MIMIMUM :	29.70	29	1551

NUMBER OF -> DAYS WITH

MAXIMUM TEMP >= 90 :	6	MINIMUM TEMP <= 32 :	0	PRECIPITATION >= 0.01 INCH:	4
MAXIMUM TEMP <= 32 :	0	MINIMUM TEMP <= 0 :	0	PRECIPITATION >= 0.10 INCH:	2
THUNDERSTORMS :	2	HEAVY FOG :	1	SNOWFALL >= 1.0 INCH :	0

HOURLY PRECIPITATION
(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE (KILG)
AUGUST 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													01													01	0.00	0.00
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				T	0.05								07									T				07	0.05	0.05
08			0.01										08													08	0.01	0.01
09													09													09	0.00	0.00
10												T	10	T												10	T	T
11													11													11	0.00	0.00
12													12													12	0.00	0.00
13													13													13	0.00	0.00
14													14													14	0.00	0.00
15													15													15	0.00	0.00
16													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													20	0.00	0.00
21													21													21	0.00	0.00
22													22													22	0.00	0.00
23													23													23	0.00	0.00
24					T								24													24	T	T
25													25													25	0.00	0.00
26													26		T			T								26	T	T
27	0.26	0.13	T	0.09	0.09	0.15	0.10	0.01					27				T				T	T	0.01	0.06	0.01	27	0.91	0.91
28	T	T											28													28	T	T
29									T				29				0.53	0.29	0.68	0.10	0.02		T			29	1.62	1.62
30						T	T	T	T				30	T	T	T	T	T	T	T	T					30	T	T
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)												
Ending Date												
Ending Time (Hr/Min)												

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
AUGUST 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							3.00	9.00	
02							5.00	10.00	
03							5.00	10.00	
04							7.00	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							9.00	10.00	
08							6.00	10.00	
09							10.00	10.00	
10							9.00	10.00	
11							5.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							8.00	10.00	
18							10.00	10.00	
19							8.00	10.00	
20							5.00	10.00	
21							10.00	10.00	
22							9.00	10.00	
23							6.00	10.00	
24							6.00	10.00	
25							3.00	9.00	
26							7.00	10.00	
27							2.00	9.00	
28							4.00	10.00	
29							0.75	8.00	
30							2.00	10.00	
31							10.00	10.00	
MONTHLY AVGS							7.09	9.84	

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
0	5	18

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

AUGUST 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: 0459 AUG 01 SUNSET: 1914								
01	CLR	NC			8.00		78	74	75	88	3	23	29.85	29.93
04	CLR	NC			6.00	BR	77	75	76	94	5	25	29.85	29.92
07	CLR	NC			4.00	HZ	81	74	76	79	7	27	29.88	29.95
10	CLR	NC			7.00		90	76	80	64	7	30	29.88	29.96
13	FEW	041			9.00		94	76	81	56	13	27	29.85	29.93
16	FEW	041			8.00		93	77	81	60	10	22	29.83	29.91
19	CLR	NC			6.00	HZ	89	78	81	70	10	22	29.83	29.91
22	CLR	NC			6.00	HZ	84	78	80	82	7	23	29.85	29.93
						SUNRISE: 0500 AUG 02 SUNSET: 1913								
01	CLR	NC			7.00		83	75	77	77	9	25	29.83	29.91
04	CLR	NC			7.00		79	74	76	85	5	27	29.83	29.91
07	CLR	NC			5.00	HZ	82	75	77	79	5	25	29.85	29.93
10	CLR	NC			8.00		91	76	80	62	8	30	29.85	29.93
13	FEW	047			10.00		95	74	80	51	14	27	29.82	29.90
16	CLR	NC			10.00		94	73	79	51	15	24	29.78	29.85
19	CLR	NC			8.00		90	74	79	59	6	22	29.77	29.84
22	CLR	NC			8.00		85	76	79	75	7	21	29.75	29.84
						SUNRISE: 0501 AUG 03 SUNSET: 1912								
01	CLR	NC			6.00	HZ	82	77	78	85	6	23	29.75	29.83
04	CLR	NC			6.00	HZ	80	74	76	82	6	23	29.75	29.83
07	CLR	NC			6.00	HZ	83	74	77	74	10	23	29.75	29.84
10	CLR	NC			10.00		91	75	79	60	13	30	29.75	29.84
13	BKN	046			10.00		94	74	80	52	10	26	29.75	29.83
16	CLR	NC			10.00		95	74	80	51	8	24	29.70	29.78
19	CLR	NC			10.00		91	73	78	56	6	23	29.72	29.80
22	CLR	NC			10.00		86	76	79	72	7	VR	29.73	29.82
						SUNRISE: 0502 AUG 04 SUNSET: 1910								
01	FEW	075			8.00		84	76	78	77	3	19	29.72	29.80
04	CLR	NC			10.00		81	72	75	74	8	27	29.70	29.78
07	CLR	NC			10.00		81	71	74	72	5	30	29.75	29.83
10	CLR	NC			10.00		85	69	74	59	15	31	29.78	29.86
13	SCT	042			10.00		87	70	75	57	13	30	29.78	29.87
16	CLR	NC			10.00		89	68	75	50	12	35	29.80	29.88
19	CLR	NC			10.00		80	65	70	60	7	32	29.85	29.93
22	CLR	NC			10.00		73	67	69	82	7	31	29.91	29.98
						SUNRISE: 0503 AUG 05 SUNSET: 1909								
01	CLR	NC			10.00		70	62	65	76	6	31	29.91	30.00
04	CLR	NC			10.00		69	61	64	76	3	28	29.93	30.02
07	CLR	NC			10.00		72	61	65	68	6	32	29.99	30.08
10	CLR	NC			10.00		84	60	69	44	6	VR	30.01	30.09
13	CLR	NC			10.00		87	55	67	34	9	30	29.98	30.06
16	CLR	NC			10.00		87	58	69	37	10	33	29.98	30.05
19	CLR	NC			10.00		80	58	66	47	5	36	29.99	30.07
22	CLR	NC			10.00		70	62	65	76	6	31	30.04	30.12
						SUNRISE: 0504 AUG 06 SUNSET: 1908								
01	CLR	NC			10.00		71	58	63	64	9	35	30.06	30.13
04	CLR	NC			10.00		67	57	61	70	6	34	30.07	30.15
07	CLR	NC			10.00		73	59	65	62	6	01	30.11	30.19
10	CLR	NC			10.00		81	65	71	58	6	13	30.12	30.21
13	CLR	NC			10.00		85	62	70	46	9	14	30.09	30.18
16	CLR	NC			10.00		86	57	68	37	9	14	30.07	30.16
19	CLR	NC			10.00		81	65	71	58	18	15	30.06	30.14
22	SCT	100			10.00		78	64	69	62	10	16	30.07	30.15

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: 0505 AUG 07 SUNSET: 1907								
01	SCT	120			10.00		76	61	67	60	9	18	30.04	30.13
04	OVC	060			10.00		75	65	69	71	9	19	30.02	30.11
07	SCT	085			10.00		74	69	71	84	9	19	30.01	30.10
10	BKN	020			10.00		79	72	74	79	8	22	30.01	30.09
13	FEW	028			10.00		86	73	77	65	7	25	29.96	30.04
16	CLR	NC			10.00		88	72	77	59	6	22	29.91	29.99
19	CLR	NC			9.00		84	76	78	77	8	17	29.88	29.96
22	CLR	NC			10.00		80	71	74	74	8	24	29.90	29.98
						SUNRISE: 0506 AUG 08 SUNSET: 1906								
01	CLR	NC			10.00		77	71	73	82	7	26	29.88	29.96
04	CLR	NC			6.00	BR	75	71	72	87	6	33	29.91	29.98
07	CLR	NC			10.00		76	66	70	71	9	33	29.93	30.02
10	CLR	NC			10.00		81	56	66	42	13	33	29.96	30.05
13	CLR	NC			10.00		85	59	69	41	9	28	29.96	30.04
16	FEW	070			10.00		85	57	68	39	6	34	29.93	30.01
19	CLR	NC			10.00		79	58	66	49	8	35	29.96	30.03
22	CLR	NC			10.00		73	55	62	53	10	36	30.01	30.09
						SUNRISE: 0507 AUG 09 SUNSET: 1905								
01	CLR	NC			10.00		68	54	60	61	9	35	30.02	30.11
04	CLR	NC			10.00		65	53	58	65	8	35	30.04	30.13
07	CLR	NC			10.00		68	55	60	63	6	35	30.06	30.15
10	CLR	NC			10.00		78	58	66	50	7	05	30.06	30.14
13	CLR	NC			10.00		82	55	66	40	9	14	30.02	30.11
16	FEW	060			10.00		81	58	67	46	8	13	29.98	30.06
19	CLR	NC			10.00		78	61	67	56	12	15	29.96	30.03
22	CLR	NC			10.00		73	63	67	71	7	18	29.94	30.03
						SUNRISE: 0507 AUG 10 SUNSET: 1904								
01	SCT	060			10.00		70	62	65	76	5	17	29.93	30.01
04	BKN	070			10.00		70	63	66	79	0	00	29.91	29.98
07	CLR	NC			10.00		73	67	69	82	6	19	29.86	29.95
10	BKN	060			10.00		79	66	71	65	13	17	29.83	29.91
13	BKN	049			10.00		79	70	73	74	14	21	29.78	29.87
16	BKN	026			10.00		79	67	71	67	15	23	29.75	29.84
19	BKN	085			10.00		75	65	69	71	9	22	29.72	29.81
22	CLR	NC			10.00		72	66	68	82	5	23	29.77	29.85
						SUNRISE: 0508 AUG 11 SUNSET: 1902								
01	CLR	NC			7.00		68	66	67	93	7	30	29.75	29.84
04	CLR	NC			10.00		67	61	63	81	9	36	29.75	29.84
07	CLR	NC			10.00		69	59	63	71	9	35	29.83	29.91
10	CLR	NC			10.00		76	55	63	48	14	04	29.85	29.94
13	CLR	NC			10.00		79	49	62	35	13	02	29.85	29.93
16	CLR	NC			10.00		82	47	62	29	8	34	29.83	29.91
19	CLR	NC			10.00		73	48	59	41	6	36	29.85	29.93
22	CLR	NC			10.00		68	52	59	57	3	33	29.91	29.98
						SUNRISE: 0509 AUG 12 SUNSET: 1860								
01	CLR	NC			10.00		64	48	55	56	7	36	29.94	30.02
04	CLR	NC			10.00		61	48	54	63	8	33	29.94	30.03
07	CLR	NC			10.00		64	48	55	56	9	35	29.98	30.07
10	CLR	NC			10.00		73	48	59	41	9	36	30.01	30.10
13	CLR	NC			10.00		78	47	61	34	0	00	29.98	30.06
16	CLR	NC			10.00		80	45	60	29	6	VR	29.94	30.02
19	CLR	NC			10.00		74	46	59	37	5	34	29.96	30.04
22	CLR	NC			10.00		66	51	58	59	5	27	29.96	30.05

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

AUGUST 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: 0510 AUG 13 SUNSET: 1858								
01	CLR	NC			10.00		62	51	56	67	7	01	29.99	30.08
04	CLR	NC			10.00		59	48	53	67	3	34	30.01	30.09
07	CLR	NC			10.00		64	48	55	56	5	34	30.06	30.14
10	CLR	NC			10.00		73	49	60	43	5	VR	30.04	30.13
13	CLR	NC			10.00		80	46	61	30	6	30	30.01	30.09
16	CLR	NC			10.00		81	48	62	32	10	27	29.96	30.04
19	CLR	NC			10.00		76	52	62	43	6	22	29.96	30.04
22	CLR	NC			10.00		72	52	61	50	3	19	29.98	30.06
						SUNRISE: 0511 AUG 14 SUNSET: 1857								
01	CLR	NC			10.00		67	54	60	63	3	20	29.98	30.06
04	CLR	NC			10.00		63	56	59	78	0	00	29.96	30.03
07	CLR	NC			10.00		68	61	64	78	5	23	29.94	30.03
10	FEW	085			10.00		79	63	69	58	12	22	29.93	30.01
13	FEW	049			10.00		86	62	70	45	16	20	29.86	29.95
16	CLR	NC			10.00		86	64	72	48	15	21	29.82	29.90
19	CLR	NC			10.00		81	65	71	58	12	19	29.78	29.87
22	CLR	NC			10.00		77	65	69	67	14	19	29.78	29.86
						SUNRISE: 0512 AUG 15 SUNSET: 1856								
01	CLR	NC			10.00		76	68	71	76	14	19	29.75	29.83
04	CLR	NC			10.00		74	68	70	82	9	20	29.75	29.82
07	OVC	075			10.00		75	69	71	82	8	21	29.77	29.84
10	SCT	023			10.00		81	70	74	69	6	31	29.80	29.88
13	CLR	NC			10.00		86	66	73	51	9	30	29.83	29.90
16	CLR	NC			10.00		87	62	71	43	10	27	29.82	29.90
19	CLR	NC			10.00		81	63	69	54	0	00	29.85	29.93
22	CLR	NC			10.00		74	61	66	64	3	32	29.93	30.00
						SUNRISE: 0513 AUG 16 SUNSET: 1854								
01	CLR	NC			10.00		66	60	62	81	7	29	29.93	30.02
04	CLR	NC			10.00		66	57	61	73	7	34	29.96	30.05
07	CLR	NC			10.00		72	58	64	62	7	01	30.02	30.10
10	CLR	NC			10.00		81	56	66	42	9	06	30.06	30.14
13	BKN	070			10.00		85	55	67	36	6	VR	30.03	30.12
16	CLR	NC			10.00		88	54	67	31	10	32	30.02	30.10
19	CLR	NC			10.00		80	57	66	45	6	34	30.03	30.11
22	CLR	NC			10.00		75	67	70	76	0	00	30.07	30.15
						SUNRISE: 0514 AUG 17 SUNSET: 1853								
01	CLR	NC			8.00		71	67	68	87	5	02	30.09	30.17
04	CLR	NC			10.00		66	59	62	78	7	35	30.10	30.18
07	CLR	NC			10.00		70	59	63	68	6	35	30.14	30.23
10	CLR	NC			10.00		79	59	67	50	3	VR	30.15	30.23
13					10.00		86	57	68	37	7	VR	30.11	30.19
16	CLR	NC			10.00		85	61	70	45	16	15	30.06	30.14
19	CLR	NC			10.00		78	63	68	60	10	16	30.09	30.17
22	SCT	070			10.00		74	63	67	69	6	12	30.14	30.22
						SUNRISE: 0515 AUG 18 SUNSET: 1852								
01	CLR	NC			10.00		70	63	66	79	3	03	30.14	30.21
04	CLR	NC			10.00		65	63	64	93	5	36	30.11	30.20
07	CLR	NC			10.00		69	65	66	87	3	35	30.14	30.22
10	CLR	NC			10.00		77	64	69	64	8	08	30.12	30.20
13	CLR	NC					82	59	68	46	7	14	30.09	30.17
16	CLR	NC			10.00		84	56	67	38	8	17	30.04	30.13
19	CLR	NC			10.00		77	67	70	71	15	16	30.03	30.11
22	OVC	039			10.00		73	67	69	82	10	13	30.06	30.14

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: 0516 AUG 19 SUNSET: 1850								
01	CLR	NC			10.00		71	67	68	87	0	00	30.02	30.11
04	BKN	045			10.00		70	68	69	93	0	00	29.99	30.07
07	OVC	006			8.00		73	70	71	90	0	00	29.99	30.08
10	OVC	055			10.00		78	70	73	77	7	20	29.98	30.07
13	CLR	NC			10.00		83	70	74	65	14	14	29.93	30.01
16	CLR	NC			10.00		81	70	74	69	16	16	29.86	29.94
19	CLR	NC			10.00		77	71	73	82	17	15	29.83	29.91
22	BKN	120			10.00		78	67	71	69	13	17	29.80	29.89
						SUNRISE: 0517 AUG 20 SUNSET: 1849								
01	FEW	065			10.00		76	69	71	79	10	20	29.77	29.84
04	SCT	060			10.00		76	72	73	87	8	20	29.73	29.81
07	CLR	NC			10.00		78	71	73	79	9	24	29.77	29.84
10	CLR	NC			8.00		86	67	73	53	13	29	29.78	29.86
13	FEW	050			7.00		88	64	72	45	9	31	29.77	29.84
16	SCT	090			7.00		87	65	72	48	12	24	29.73	29.82
19	CLR	NC			5.00	HZ	80	68	72	67	6	24	29.77	29.84
22	CLR	NC			7.00		76	65	69	69	10	30	29.83	29.90
						SUNRISE: 0518 AUG 21 SUNSET: 1847								
01	SCT	070			10.00		71	59	64	66	10	30	29.85	29.93
04	CLR	NC			10.00		65	58	61	78	8	30	29.90	29.97
07	CLR	NC			10.00		68	58	62	71	9	30	29.96	30.03
10	CLR	NC			10.00		77	58	65	52	10	29	29.98	30.05
13	CLR	NC			10.00		84	56	67	38	13	33	29.96	30.03
16	CLR	NC			10.00		85	55	67	36	8	36	29.93	30.01
19	CLR	NC			10.00		77	58	65	52	7	31	29.96	30.04
22	CLR	NC			10.00		68	60	63	76	6	30	29.99	30.08
						SUNRISE: 0519 AUG 22 SUNSET: 1846								
01	CLR	NC			10.00		70	58	63	66	3	29	29.99	30.07
04	CLR	NC			10.00		62	58	60	87	5	31	29.99	30.07
07	CLR	NC			10.00		68	59	63	73	5	32	30.02	30.10
10	CLR	NC			10.00		82	57	67	43	6	21	30.01	30.09
13	BKN	065			10.00		86	59	69	40	6	VR	29.96	30.04
16	FEW	060			10.00		86	58	68	39	7	24	29.93	30.01
19	CLR	NC			10.00		81	60	68	49	5	21	29.93	30.00
22	CLR	NC			10.00		74	63	67	69	0	00	29.94	30.03
						SUNRISE: 0520 AUG 23 SUNSET: 1845								
01	CLR	NC			9.00		70	64	66	81	3	28	29.93	30.01
04	CLR	NC			6.00	BR	64	62	63	93	5	31	29.91	30.00
07	CLR	NC			10.00		68	60	63	76	3	33	29.93	30.01
10	CLR	NC			10.00		84	61	69	46	8	04	29.93	30.01
13	SCT	060			10.00		86	58	68	39	5	VR	29.90	29.97
16	BKN	070			10.00		89	58	69	35	8	02	29.86	29.94
19	CLR	NC			10.00		79	59	67	50	7	01	29.85	29.94
22	BKN	120			10.00		76	56	64	50	5	04	29.88	29.96
						SUNRISE: 0521 AUG 24 SUNSET: 1843								
01	OVC	110			10.00		75	52	62	45	7	06	29.88	29.95
04	BKN	090			10.00		68	56	61	66	6	35	29.86	29.95
07	FEW	075			10.00		67	57	61	70	13	04	29.91	30.00
10	CLR	NC			10.00		75	57	64	54	8	11	29.91	30.00
13	CLR	NC			10.00		81	61	68	51	9	15	29.88	29.96
16	CLR	NC			9.00		82	63	70	53	3	20	29.85	29.93
19	BKN	110			8.00		78	69	72	74	12	16	29.88	29.96
22	CLR	NC			9.00		73	66	69	79	5	06	29.91	29.99

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE
AUGUST 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: 0522 AUG 25 SUNSET: 1842								
01	CLR	NC			7.00		72	67	69	84	5	11	29.90	29.97
04	BKN	085			4.00	BR	70	68	69	93	3	05	29.90	29.98
07	CLR	NC			3.00	HZ	72	67	69	84	6	13	29.90	29.98
10	BKN	012			4.00	HZ	79	71	74	77	3	19	29.91	29.98
13	SCT	060			8.00		89	65	73	45	8	32	29.86	29.95
16	CLR	NC			7.00		88	61	71	40	12	32	29.86	29.95
19	CLR	NC			8.00		81	64	70	56	7	04	29.90	29.97
22	CLR	NC			7.00		76	66	70	71	9	07	29.93	30.01
						SUNRISE: 0522 AUG 26 SUNSET: 1840								
01	FEW	014			8.00		71	65	67	81	12	07	29.93	30.02
04	OVC	011			8.00		71	66	68	84	9	05	29.96	30.04
07	OVC	015			7.00		72	67	69	84	13	05	30.01	30.08
10	SCT	018			9.00		78	67	71	69	12	10	30.02	30.10
13	OVC	038			8.00		77	68	71	74	16	05	30.03	30.12
16	OVC	031			10.00		77	65	69	67	13	10	30.02	30.11
19	OVC	034			10.00		75	66	69	74	13	08	30.06	30.14
22	OVC	014			10.00		73	67	69	82	10	07	30.07	30.16
						SUNRISE: 0523 AUG 27 SUNSET: 1839								
01	OVC	027			2.50	+RA BR	72	68	69	87	8	09	30.07	30.16
04	OVC	012			5.00	-RA BR	71	69	70	93	6	08	30.04	30.12
07	OVC	044			2.00	+RA BR	72	71	71	97	14	13	30.02	30.11
10	OVC	075			6.00	BR	76	72	73	87	10	11	30.03	30.11
13	BKN	042			9.00		83	69	74	63	16	16	29.96	30.05
16	CLR	NC			7.00		80	72	75	77	12	13	29.91	30.00
19	SCT	120			7.00		78	72	74	82	7	12	29.90	29.98
22	OVC	080			5.00	-RA BR	76	73	74	90	14	13	29.88	29.95
						SUNRISE: 0524 AUG 28 SUNSET: 1837								
01	OVC	050			5.00	-RA BR	75	73	74	94	12	17	29.85	29.93
04	BKN	110			5.00	BR	75	72	73	90	9	18	29.82	29.90
07	BKN	080			6.00	BR	75	72	73	90	9	21	29.82	29.90
10	OVC	032			7.00		81	70	74	69	8	29	29.80	29.89
13	OVC	065			8.00		82	70	74	67	9	32	29.78	29.87
16	FEW	070			6.00	HZ	83	69	74	63	9	28	29.78	29.85
19	SCT	033			9.00		78	70	73	77	7	35	29.78	29.86
22	CLR	NC			10.00		76	69	71	79	6	05	29.78	29.85
						SUNRISE: 0525 AUG 29 SUNSET: 1836								
01	SCT	017			5.00	BR	74	71	72	90	3	12	29.78	29.85
04	OVC	012			3.00	BR	73	71	72	93	6	09	29.73	29.81
07	OVC	014			5.00	BR	73	69	70	87	8	13	29.73	29.81
10	OVC	012			8.00		76	71	73	85	10	13	29.72	29.80
13	BKN	016			6.00	HZ	81	73	75	77	13	16	29.67	29.75
16	BKN	036			4.00	-TSRA BR	78	76	77	94	3	VR	29.62	29.70
19	SCT	075			6.00	TS BR	75	74	74	97	7	09	29.67	29.74
22	OVC	006			5.00	BR	74	73	73	97	9	05	29.70	29.78
						SUNRISE: 0526 AUG 30 SUNSET: 1834								
01	OVC	006			4.00	BR	70	68	69	93	10	02	29.73	29.82
04	OVC	004			9.00		67	66	66	97	12	01	29.78	29.85
07	OVC	012			7.00		66	65	65	97	10	02	29.83	29.92
10	OVC	012			10.00		67	63	65	87	9	01	29.88	29.97
13	OVC	012			10.00		69	64	66	84	7	05	29.90	29.98
16	OVC	022			10.00	RA	70	64	66	81	9	04	29.88	29.97
19	OVC	055			8.00	RA	69	63	65	81	8	06	29.90	29.98
22	OVC	065			9.00		68	63	65	84	5	04	29.94	30.03

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: 0527 AUG 31 SUNSET: 1832								
01	OVC	065			10.00		68	63	65	84	6	01	29.93	30.02
04	BKN	080			10.00		67	63	65	87	7	02	29.96	30.04
07	OVC	065			10.00		67	57	61	70	17	06	30.01	30.10
10	CLR	NC			10.00		68	52	59	57	13	06	30.09	30.16
13	CLR	NC			10.00		73	50	60	44	20	02	30.09	30.17
16	CLR	NC			10.00		72	51	60	48	9	06	30.09	30.16
19	CLR	NC			10.00		67	47	56	49	12	08	30.10	30.18
22	CLR	NC			10.00		64	52	57	65	8	06	30.11	30.20

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

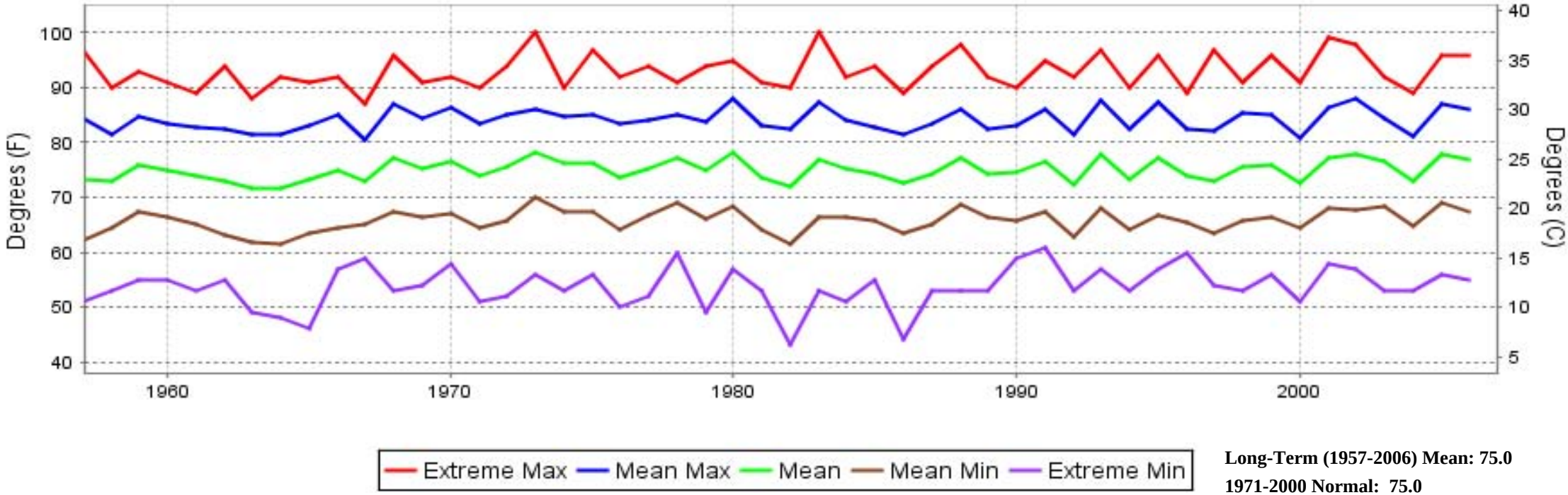
Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC = No Ceiling detected.

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

SUMMARY BY HOUR

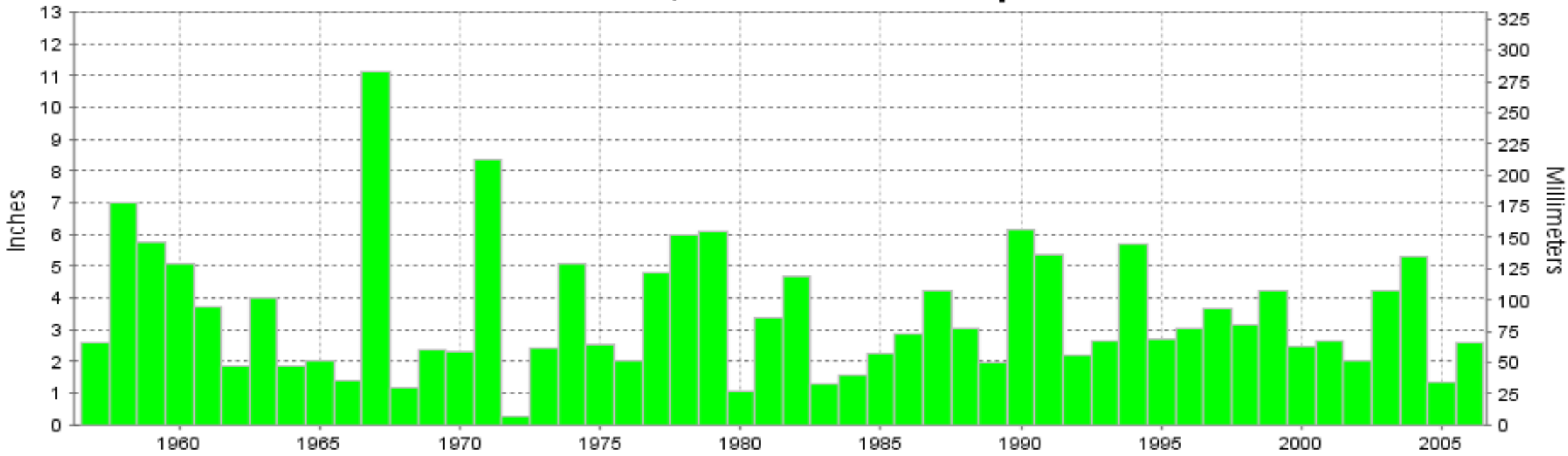
HOUR (LST)	AVERAGES CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG) STATION	PRESSURE (Inches, HG) SEA LEVEL	VISIBILITY (Miles)	WIND SPEED (MPH)	RESULTANT WIND (MPH) SPEED	RESULTANT WIND (MPH) DIRECTION
01			72	64	67	77	29.91	29.99	8.53	7	1	31
02			71	64	67	80	29.90	29.99	8.71	6	1	30
03			70	64	67	81	29.90	29.99	8.74	6	1	31
04			70	64	66	82	29.91	29.99	8.55	6	1	30
05			69	63	66	83	29.91	29.99	8.61	7	1	31
06			69	64	66	82	29.93	30.01	8.13	7	1	32
07			72	64	67	76	29.93	30.02	8.48	8	1	32
08			75	64	68	69	29.94	30.02	8.87	9	1	34
09			78	63	69	64	29.94	30.02	9.19	9	1	36
10			80	64	70	60	29.94	30.03	9.26	9	1	35
11			81	63	70	56	29.94	30.02	9.16	10	1	31
12			83	63	70	53	29.93	30.01	9.35	10	2	29
13			84	62	70	50	29.92	30.00	9.50	10	2	29
14			84	62	70	49	29.91	29.99	9.26	10	3	28
15			84	62	70	49	29.89	29.98	9.42	10	3	28
16			84	62	70	50	29.89	29.97	9.29	10	2	29
17			83	62	70	52	29.89	29.97	9.12	10	2	29
18			81	63	70	55	29.89	29.97	9.39	9	1	35
19			79	64	69	61	29.90	29.98	9.16	9	1	06
20			77	64	69	65	29.91	29.99	9.32	7	1	06
21			76	65	69	69	29.92	30.00	9.16	7	1	05
22			74	64	68	72	29.92	30.00	9.23	7	1	05
23			73	64	68	74	29.92	30.01	9.10	7	1	06
24			72	64	67	75	29.93	30.01	9.10	7	1	06

WILMINGTON, DE AUGUST Temperatures



Long-Term (1957-2006) Mean: 75.0
1971-2000 Normal: 75.0

WILMINGTON, DE AUGUST Precipitation



Long-Term (1957-2006) Mean Monthly Total: 3.52 **1971-2000 Normal: 3.51**

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LOCAL CLIMATOLOGICAL DATA
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