



# JANUARY 2005

## LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

# WILMINGTON, DE

NEW CASTLE COUNTY AIRPORT (ILG)  
 Lat: 39° 40' N Long: 75° 36' W Elev (Ground): 92 Feet  
 Time Zone: EASTERN WBAN: 13781 ISSN #: 0198-117X

DATE	TEMPERATURE °F						DEG DAYS BASE 65°		WEATHER	SNOW/ICE ON GND(IN)		PRECIPITATION (INCHES)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES						DATE																																			
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING		0700 LST	1300 LST	2400 LST	2400 LST	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM																																						
																			5-SEC		2-MIN																																				
1	2	3	4	5	6	7	8	9	11	12	13	14	15	16	17	18	19	20	21	22	23	24																																			
01	65	38	52	19	39	44	13	0	BR	0	0.00	0.00	30.28	30.36	4.6	30	8.1	30	28	25	28	01																																			
02	45	33	39	6	34	38	26	0	RA	0	0.00	0.03	30.48	30.56	4.4	06	5.2	20	07	17	07	02																																			
03	56	38	47	15	43	45	18	0	RA BR	0	0.00	0.04	30.20	30.28	3.1	16	3.2	13	14	10	14	03																																			
04	57	45	51	19	47	49	14	0	RA	0	0.00	T	30.08	30.16	2.1	36	6.1	18	36	16	36	04																																			
05	46	36	41	9	39	40	24	0	RA BR UP	0	0.00	0.62	30.04	30.12	8.8	04	9.4	21	03	17	02	05																																			
06	42	36	39	7	39	39	26	0	RA BR UP	0	0.00	0.07	29.79	29.88	6.9	03	8.0	21	07	17	05	06																																			
07	43	36	40	8	28	35	25	0	RA	0	0.00	T	30.17	30.25	6.2	30	7.8	32	29	26	29	07																																			
08	48	37	43	11	35	38	22	0	RA BR	0	0.00	0.20	30.10	30.19	5.2	33	9.9	36	33	28	32	08																																			
09	40	35	38	6	31	35	27	0	RA	0	0.00	0.00	30.30	30.38	1.0	04	4.8	18	34	15	34	09																																			
10	53	34	44	12	34	38	21	0	BR	0	0.00	0.00	30.07	30.15	4.5	26	7.8	26	31	22	30	10																																			
11	41	31	36	5	32	36	29	0	RA PL	0	T	0.09	30.16	30.24	5.9	06	7.4	18	06	15	06	11																																			
12	46	40	43	12	43	44	22	0	FG+ BR	0	0.00	0.00	30.08	30.16	8.7	05	8.8	18	06	15	05	12																																			
13	69	44	57*	26	50	51	8	0	RA FG BR	0	0.00	0.08	29.97	30.06	6.8	14	8.4	29	19	23	18	13																																			
14	69*	34	52	21	41	45	13	0	RA PL BR	0	T	1.49	30.04	30.13	7.0	30	14.8	39	18	30	18	14																																			
15	35	27	31	0	16	25	34	0	RA	0	0.00	0.00	30.60	30.69	7.3	35	7.7	17	35	16	36	15																																			
16	35	26	31	0	16	25	34	0	SN	0	T	T	30.34	30.43	10.0	03	11.3	24	05	21	05	16																																			
17	28	16	22	-9	9	19	43	0	SN	0	T	T	30.24	30.33	17.1	30	17.7	38	29	29	29	17																																			
18	19	11	15	-16	-4	12	50	0	RA	0	0.00	0.00	30.51	30.60	14.1	31	14.7	33	31	25	31	18																																			
19	24	10	17	-14	10	17	48	0	SN BR	0	1.3	0.07	30.16	30.24	7.3	17	8.9	26	17	22	18	19																																			
20	32	21	27	-4	16	24	38	0	RA	1	0.00	0.00	29.90	29.99	7.9	30	9.5	22	29	18	31	20																																			
21	23	9	16	-15	-1	13	49	0	SN	T	0.00	0.00	30.12	30.21	10.7	34	11.4	23	36	20	32	21																																			
22	21	7	14	-17	8	14	51	0	SN FG+ FZFG BR	T	8.1	0.79	29.86	29.95	6.3	02	8.6	22	31	18	31	22																																			
23	21	10	16	-15	7	14	49	0	SN BR HZ BLSN	7	0.3	0.05	29.77	29.86	20.4	31	20.7	40*	31	32*	32	23																																			
24	24	5	15	-16	4	13	50	0	SN BR UP	7	7.5	0.1	0.03	30.00	30.09	7.4	26	8.3	24	31	21	32	24																																		
25	33	16	25	-6	19	25	40	0	RA	7	0.00	0.00	29.82	29.91	5.8	24	7.6	20	24	15	25	25																																			
26	39	25	32	1	26	31	33	0	UP	6	T	T	29.65	29.74	3.7	34	8.7	30	36	25	36	26																																			
27	24	10	17	-14	-2	12	48	0	RA	4	0.00	0.00	30.33	30.42	14.4	33	14.7	28	35	23	35	27																																			
28	26	1*	14*	-18	-1	11	51	0	RA	4	0.00	0.00	30.68	30.77	6.3	33	7.0	17	33	15	33	28																																			
29	30	6	18	-14	8	17	47	0	SN BR	4	6.5	0.3	0.03	30.40	30.49	2.6	22	4.4	13	22	10	22	29																																		
30	35	24	30	-2	22	27	35	0	RA SN FZFG BR HZ	5	9.0	2.0	0.25	30.03	30.12	5.1	36	5.6	18	02	17	01	30																																		
31	36	21	29	-3	16	25	36	0	RA	5	9.0	0.00	0.00	30.26	30.35	8.0	02	9.2	21	36	17	05	31																																		
38.9										24.6		31.8		■ ■		22.7		29.1		33.0		0.0		< MONTHLY AVERAGES		TOTALS->		12.1		3.84		30.14		30.23		4.3		33		9.2		<- MONTHLY AVERAGES															
- .4										0.9		0.3		■ ■		<-----DEPARTURE FROM NORMAL----->																				0.41		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																			
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 1.57 DATE :13-14										SEA LEVEL PRESSURE										DATE		TIME																									
MONTHLY										GREATEST 24-HR SNOWFALL: 8.1 DATE :22										MAXIMUM										:		30.83		28		1051																					
TOTAL DEPARTURE										GREATEST SNOW DEPTH: 7 DATE :25+										MINIMUM										:		29.53		22		2351																					
HEATING: 1024										NUMBER OF DAYS WITH										MAXIMUM TEMP ≥ 90: 0										MINIMUM TEMP ≤ 32: 18										PRECIPITATION ≥ 0.01 INCH : 14																	
COOLING: 0										MONTHLY TOTAL DEPARTURE										MAXIMUM TEMP ≤ 32 :11										MINIMUM TEMP ≤ 0 : 0										PRECIPITATION ≥ 0.10 INCH : 5																	
SEASON TO DATE										THUNDERSTORMS : 0										HEAVY FOG : 2										SNOWFALL ≥ 1.0 INCH : 3										0		-56		0		0		0									

JANUARY 2005  
WILMINGTON, DE

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

# WILMINGTON, DE

JANUARY 2005 ILG WBAN # 13781

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note)	2400 LST
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			Water Equiv.
01													01												01		0.00	
02												T	02	0.03											02		0.03	
03													03					T						03	0.03	0.04		
04	0.01	T	T										04				T			T	0.02	T	0.01	04	0.01	T		
05	0.04	0.03	T	0.01	0.02	0.05	0.06	0.03	0.07	0.01	0.01	T	05	0.01	0.05	0.09	0.03	0.01	0.01	0.02	T	0.02	0.02	0.03	T	0.62		
06	T	0.01	T						T		0.01	T	06			T	0.03	0.01	0.01	T				06		0.07		
07			T										07											07		T		
08					T	0.01	0.03	0.03	T	0.01	0.05	0.06	08	0.01								T	T	08		0.20		
09													09											09		0.00		
10													10											10		0.00		
11													11		0.01	0.01	T			T	T	0.01	0.01	0.05	T	0.09		
12													12											12		0.00		
13													13											13	0.02	0.08		
14	0.01				0.03	0.41	0.22	0.27	0.19	0.19	0.10	0.07	14	T										14	0.06	1.49		
15													15											15		0.00		
16													16											16		T		
17	T												17											17		T		
18													18											18		0.00		
19													19	T	T	T	0.01	T	T	T	T			19	0.01	0.07		
20													20											20		0.00		
21													21											21		0.00		
22													22	0.07	0.12	0.14	0.19	0.08	0.08	T		T	T	22		0.79		
23			T	T	T	T	T	T	T	T	0.01	T	23				T							23	T	0.05		
24													24	T	T		T	0.01	0.02	T	T	T		24	0.04	0.03		
25													25											25		0.00		
26													26											26		T		
27													27											27		0.00		
28													28											28		0.00		
29													29		T							T	0.01	29	0.01	0.03		
30	0.02	0.02	0.01	0.02	0.02	0.01	T	T	0.03	0.04	0.03	T	30											30	0.20	0.25		
31													31											31		0.00		

## MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.14	.20	.25	.29	.34	.41	.49	.55	.60	.69	.84	.95
Ending Date	14	14	14	14	14	14	14	14	14	14	14	14
Ending Time (Hour/Min)	0518	0521	0522	0527	0537	0552	0606	0624	0647	0707	0735	0807

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. 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 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		
	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	SQ Squalls
PR Partial	RA Rain	PY Spray	SS Sandstorm
SH Shower(s)	SG Snow Grains	SA Sand	GL Glaze
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unknown Precipitation		

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

## WILMINGTON, DE JANUARY 2005

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
	TOTAL MINUTES	PERCENT POSSIBLE	SR–SS		MN–MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							6.00	10.00	
02							10.00	10.00	
03							3.00	10.00	
04							7.00	10.00	
05							2.00	10.00	
06							.25	10.00	
07							7.00	10.00	
08							2.00	10.00	
09							10.00	10.00	
10							3.00	10.00	
11							7.00	10.00	
12							.25	10.00	
13							.25	10.00	
14							2.50	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							.75	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							.25	10.00	
23							1.50	10.00	
24							.75	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							10.00	10.00	
28							10.00	10.00	
29							4.00	10.00	
30							.50	10.00	
31							10.00	10.00	
<b>MONTHLY AVGS</b>							5.82	9.94	
<b>SUNSHINE (MINUTES)</b>									
Total:                      Possible:                      Percent Possible:									
<b>NUMBER OF DAYS WITH:</b>									
<b>SKY CONDITION</b>									
CLR   PTLY CLDY   CLOUDY   MISSING									
31									
<b>MINIMUM VISIBILITY (MILES)</b>									
<=0.25      <=3.0      >=7.0									
4                      13                      16									

# OBSERVATIONS AT 3-HOURLY INTERVALS

**WILMINGTON, DE**  
**JANUARY 2005**      ILG

WBAN # 13781

HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)	
	SKY COVER	CEILING 100'S OF FT			OBSERVATION TIME (LST)	EFF CLD AMT Oktas	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL			SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)
SUNRISE: 0723      JAN 01      SUNSET: 1649										SUNRISE: 0723      JAN 07      SUNSET: 1655															
01	BKN	048	8.00		40	38	39	93	0	00	30.18	30.27	01	FEW	NC	7.00		37	37	37	100	6	27	29.84	29.93
04	CLR	NC	10.00		41	39	40	93	7	24	30.18	30.26	04	CLR	NC	10.00		41	31	37	67	15	30	29.94	30.03
07	CLR	NC	10.00		41	39	40	93	8	23	30.20	30.29	07	CLR	NC	10.00		36	29	33	76	8	31	30.10	30.19
10	CLR	NC	10.00		53	44	49	72	7	27	30.25	30.34	10	CLR	NC	10.00		39	26	34	60	8	31	30.22	30.31
13	CLR	NC	10.00		65	42	53	44	20	28	30.23	30.31	13	CLR	NC	10.00		42	24	35	49	12	32	30.23	30.32
16	CLR	NC	10.00		62	41	52	46	10	31	30.26	30.35	16	CLR	NC	10.00		40	25	34	55	8	30	30.25	30.34
19	CLR	NC	10.00		51	39	45	64	0	00	30.35	30.44	19	OVC	110	10.00		39	27	34	62	3	29	30.28	30.37
22	CLR	NC	10.00		45	31	39	58	10	05	30.44	30.53	22	OVC	075	10.00		39	30	35	70	3	01	30.29	30.38
SUNRISE: 0723      JAN 02      SUNSET: 1650										SUNRISE: 0723      JAN 08      SUNSET: 1656															
01	CLR	NC	10.00		39	27	34	62	9	04	30.47	30.55	01	OVC	080	10.00		38	30	35	73	6	09	30.25	30.34
04	CLR	NC	10.00		36	27	33	70	5	03	30.51	30.60	04	OVC	055	10.00		38	30	35	73	6	04	30.18	30.27
07	CLR	NC	10.00		35	28	32	76	9	05	30.54	30.63	07	OVC	032	10.00	-RA	37	35	36	93	7	07	30.10	30.19
10	OVC	055	10.00		41	31	37	67	7	06	30.56	30.65	10	OVC	005	4.00	BR	39	38	39	96	7	07	30.01	30.10
13	OVC	048	10.00		41	36	39	82	7	04	30.50	30.59	13	OVC	003	3.00	BR	42	40	41	92	6	02	29.91	30.00
16	OVC	027	10.00		44	39	42	83	3	05	30.44	30.53	16	OVC	050	10.00		48	42	45	80	12	24	29.98	30.06
19	OVC	018	10.00		44	40	42	85	0	00	30.41	30.50	19	BKN	038	10.00		44	34	40	68	15	30	30.14	30.22
22	OVC	041	10.00		43	40	42	89	5	15	30.38	30.47	22	FEW	NC	10.00		40	29	36	65	26	32	30.24	30.33
SUNRISE: 0723      JAN 03      SUNSET: 1651										SUNRISE: 0723      JAN 09      SUNSET: 1657															
01	OVC	035	10.00		40	40	40	100	0	00	30.32	30.41	01	OVC	027	10.00		39	30	35	70	10	32	30.27	30.36
04	BKN	001	3.00	BR	39	39	39	100	5	17	30.28	30.37	04	OVC	027	10.00		38	31	35	76	6	31	30.29	30.38
07	OVC	060	9.00		40	40	40	100	3	17	30.28	30.37	07	OVC	025	10.00		37	31	35	79	3	03	30.34	30.42
10	CLR	NC	10.00		45	41	43	86	3	17	30.28	30.36	10	OVC	027	10.00		38	30	35	73	6	05	30.37	30.46
13	FEW	NC	10.00		54	44	49	69	5	16	30.19	30.28	13	OVC	024	10.00		38	30	35	73	0	00	30.32	30.41
16	OVC	095	10.00		54	46	50	75	5	13	30.13	30.22	16	OVC	025	10.00		38	30	35	73	0	00	30.29	30.38
19	OVC	075	8.00		49	46	48	90	10	14	30.11	30.19	19	OVC	039	10.00		36	31	34	82	3	16	30.26	30.35
22	OVC	070	7.00	-RA	48	47	47	96	0	00	30.06	30.15	22	OVC	033	10.00		36	34	35	93	6	13	30.23	30.32
SUNRISE: 0723      JAN 04      SUNSET: 1652										SUNRISE: 0723      JAN 10      SUNSET: 1658															
01	OVC	060	10.00		55	53	54	93	8	21	29.97	30.06	01	OVC	029	10.00		37	35	36	93	6	14	30.15	30.24
04	OVC	100	10.00		54	52	53	93	6	25	29.96	30.05	04	FEW	NC	10.00		36	33	35	89	6	18	30.08	30.18
07	CLR	NC	10.00		53	51	52	93	5	24	29.98	30.07	07	SCT	NC	8.00		35	33	34	93	5	22	30.02	30.11
10	OVC	011	10.00		52	49	50	89	8	01	30.11	30.19	10	OVC	008	9.00		40	37	39	89	10	24	30.05	30.14
13	OVC	015	10.00		51	44	48	77	9	01	30.10	30.19	13	CLR	NC	10.00		46	37	42	71	8	26	29.99	30.08
16	OVC	019	10.00		50	43	47	77	9	03	30.12	30.21	16	CLR	NC	10.00		48	35	42	61	15	31	30.03	30.11
19	BKN	022	10.00		46	43	45	89	6	14	30.16	30.24	19	CLR	NC	10.00		41	33	38	74	8	29	30.08	30.17
22	OVC	045	10.00		46	43	45	89	0	00	30.14	30.23	22	CLR	NC	10.00		40	31	36	70	0	00	30.12	30.21
SUNRISE: 0723      JAN 05      SUNSET: 1653										SUNRISE: 0723      JAN 11      SUNSET: 1659															
01	OVC	033	7.00	-RA	45	44	45	97	3	08	30.10	30.19	01	CLR	NC	10.00		38	31	35	76	5	30	30.16	30.25
04	OVC	019	6.00	-RA BR	45	44	45	97	5	36	30.05	30.14	04	CLR	NC	10.00		35	30	33	82	0	00	30.17	30.26
07	OVC	006	7.00	-RA	43	42	43	97	9	04	30.02	30.11	07	CLR	NC	10.00		34	28	32	79	5	33	30.22	30.31
10	OVC	008	10.00	-RA	43	42	43	97	10	05	30.04	30.13	10	CLR	NC	10.00		39	31	36	73	6	12	30.23	30.32
13	OVC	010	8.00	-RA	39	37	38	93	17	02	30.01	30.10	13	OVC	050	10.00		40	29	36	65	10	09	30.16	30.25
16	OVC	027	10.00	-RA	38	37	38	97	9	05	30.03	30.11	16	OVC	044	10.00		40	33	37	77	8	08	30.11	30.20
19	OVC	017	4.00	BR	37	36	37	96	10	05	30.04	30.13	19	OVC	023	10.00		39	34	37	82	10	05	30.11	30.20
22	OVC	010	7.00	-RA	36	35	36	97	14	05	30.01	30.10	22	OVC	013	8.00	-RA	39	37	38	93	14	04	30.11	30.20
SUNRISE: 0723      JAN 06      SUNSET: 1654										SUNRISE: 0722      JAN 12      SUNSET: 1660															
01	OVC	007	6.00	-RA BR	36	35	36	97	9	04	29.93	30.02	01	OVC	004	10.00		41	40	41	96	13	05	30.05	30.14
04	OVC	003	6.00	BR	37	36	37	96	12	03	29.87	29.96	04	OVC	004	8.00		41	41	41	100	14	04	30.05	30.14
07	OVC	003	2.50	BR	38	37	38	97	15	05	29.81	29.90	07	OVC	002	2.50	BR	41	40	41	96	7	05	30.07	30.16
10	OVC	003	1.50	BR	39	39	39	100	12	06	29.79	29.88	10	OVC	001	0.50	BR	42	42	42	100	10	05	30.10	30.19
13	OVC	003	1.50	BR	40	40	40	100	6	02	29.71	29.80	13	VV	001	0.50	FG	45	45	45	100	7	03	30.06	30.14
16	OVC	003	0.75	-RA BR	41	41	41	100	5	06	29.69	29.78	16	VV	001	0.25	FG	45	45	45	100	7	04	30.06	30.14
19	OVC	003	1.00		42	41	42	96	0	00	29.73	29.82	19	VV	001	0.25	FG	46	46	46	100	6	02	30.09	30.18
22	OVC	003	8.00		40	39	40	97	3	28	29.78	29.87	22	VV	001	0.25	BR	46	46	46	100	5	06	30.11	30.20



# OBSERVATIONS AT 3-HOURLY INTERVALS

# WILMINGTON, DE

JANUARY 2005

ILG

WBAN # 13781

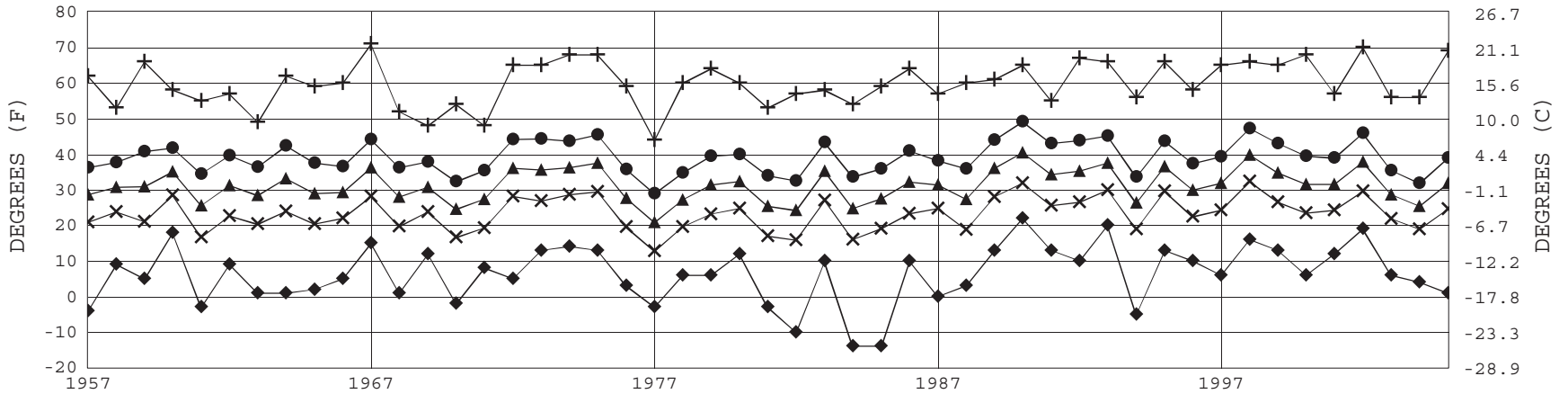
HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
	SKY COVER	CEILING		OBSERVATION TIME (LST)	EFF CLD AMT Okltas			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING		OBSERVATION TIME (LST)	EFF CLD AMT Okltas			DRY BULB	DEW POINT	WET BULB		RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION
SUNRISE: 0716								JAN 25				SUNSET: 1714				SUNRISE: 0711								JAN 31				SUNSET: 1721			
01	CLR	NC			10.00			21	13	19	71	8	26	29.81	29.90	01	CLR	NC			10.00			27	12	23	53	12	36	30.10	30.19
04	OVC	055			10.00			19	11	17	71	6	23	29.81	29.90	04	CLR	NC			10.00			26	13	22	57	10	35	30.16	30.25
07	OVC	044			10.00			23	15	21	72	13	23	29.84	29.93	07	CLR	NC			10.00			24	12	21	60	13	36	30.22	30.31
10	BKN	046			10.00			29	19	26	66	10	23	29.89	29.98	10	CLR	NC			10.00			30	17	26	59	15	02	30.28	30.37
13	SCT	NC			10.00			32	20	28	61	12	26	29.83	29.92	13	CLR	NC			10.00			35	20	30	54	14	05	30.27	30.36
16	CLR	NC			10.00			33	21	29	61	9	29	29.79	29.88	16	CLR	NC			10.00			35	17	29	48	10	05	30.28	30.37
19	BKN	100			10.00			31	23	28	72	5	15	29.80	29.89	19	CLR	NC			10.00			30	15	25	54	5	06	30.31	30.40
22	OVC	047			10.00			31	24	28	76	7	16	29.78	29.87	22	CLR	NC			10.00			27	17	24	66	0	00	30.33	30.42
SUNRISE: 0715								JAN 26				SUNSET: 1715				<b>3-HOURLY OBSERVATION NOTES</b> 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, VV = 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 contained additional weather elements. See page 3 for additional notes.															
01	FEW	NC			10.00			30	22	27	72	9	16	29.69	29.78																
04	OVC	080			10.00			31	27	29	85	7	14	29.61	29.70																
07	OVC	080			10.00			33	29	31	85	0	00	29.56	29.65																
10	OVC	055			10.00			34	28	32	79	3	24	29.57	29.66																
13	OVC	050			10.00			38	28	34	68	6	32	29.56	29.65																
16	BKN	038			10.00			39	28	35	65	8	32	29.61	29.70																
19	OVC	095			10.00			37	28	34	70	13	36	29.71	29.80																
22	OVC	090			10.00			29	18	25	64	17	36	29.83	29.92																
SUNRISE: 0714								JAN 27				SUNSET: 1717																			
01	OVC	070			10.00			22	11	19	63	17	33	29.96	30.05																
04	CLR	NC			10.00			16	6	14	65	17	32	30.07	30.16																
07	CLR	NC			10.00			11	-1	9	58	17	32	30.20	30.29																
10	CLR	NC			10.00			13	-5	10	44	17	35	30.32	30.41																
13	CLR	NC			10.00			18	-5	13	35	17	34	30.36	30.45																
16	CLR	NC			10.00			20	-2	15	38	14	33	30.40	30.50																
19	CLR	NC			10.00			17	-4	13	39	9	35	30.49	30.59																
22	CLR	NC			10.00			13	-7	9	40	15	33	30.57	30.66																
SUNRISE: 0713								JAN 28				SUNSET: 1718																			
01	CLR	NC			10.00			9	-8	6	46	12	32	30.60	30.70																
04	CLR	NC			10.00			7	-7	5	52	9	34	30.65	30.74																
07	CLR	NC			10.00			4	-6	2	63	6	32	30.71	30.80																
10	CLR	NC			10.00			14	-1	11	51	10	36	30.74	30.83																
13	CLR	NC			10.00			23	1	18	38	3	35	30.69	30.78																
16	CLR	NC			10.00			26	1	20	34	6	32	30.67	30.76																
19	CLR	NC			10.00			18	4	15	54	7	29	30.69	30.78																
22	CLR	NC			10.00			16	3	13	56	5	30	30.66	30.75																
SUNRISE: 0713								JAN 29				SUNSET: 1719																			
01	CLR	NC			10.00			12	3	10	67	5	30	30.60	30.70																
04	CLR	NC			10.00			8	2	7	76	5	30	30.57	30.66																
07	CLR	NC			10.00			8	4	7	83	3	32	30.54	30.63																
10	CLR	NC			10.00			19	4	15	52	0	00	30.49	30.58																
13	CLR	NC			10.00			28	1	21	31	6	20	30.40	30.49																
16	CLR	NC			10.00			30	5	23	34	7	19	30.31	30.40																
19	CLR	NC			10.00			27	9	22	47	6	17	30.25	30.35																
22	OVC	038			5.00	-SN		26	21	24	81	8	22	30.19	30.28																
SUNRISE: 0712								JAN 30				SUNSET: 1720																			
01	OVC	024			5.00	-SN BR		27	25	26	92	3	17	30.11	30.20																
04	OVC	025			2.50	-SN BR		27	26	27	96	0	00	30.05	30.14																
07	OVC	025			4.00	-SN BR		28	27	28	96	3	03	30.02	30.11																
10	VV	005			0.50	SN FZFG		29	27	28	92	6	34	30.02	30.11																
13	OVC	036			10.00			33	23	30	67	9	36	29.97	30.06																
16	BKN	075			10.00			34	20	29	56	8	36	29.97	30.06																
19	FEW	NC			10.00			31	16	26	54	6	34	30.01	30.11																
22	CLR	NC			10.00			26	13	22	57	9	36	30.06	30.15																

## SUMMARY BY HOUR

HOUR (LST)	AVERAGES											RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES, HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	SPEED	DIRECTION	
							STATION	SEA LEVEL					
01			30	23	28	75	30.13	30.22	9.14	8	3	33	
02			30	23	28	76	30.13	30.22	9.04	8	3	33	
03			30	23	28	76	30.13	30.22	9.02	8	3	33	
04			30	22	28	75	30.13	30.21	8.77	8	4	32	
05			29	22	27	77	30.13	30.22	8.59	9	4	32	
06			29	22	27	77	30.13	30.22	8.75	8	4	32	
07			28	22	27	77	30.14	30.23	8.40	8	4	34	
08			28	22	27	77	30.16	30.25	7.72	9	5	35	
09			30	23	28	75	30.17	30.26	7.76	9	5	35	
10			32	23	29	71	30.18	30.27	7.87	11	5	34	
11			33	23	30	68	30.17	30.26	7.97	11	6	34	
12			34	23	31	66	30.15	30.24	7.94	11	6	34	
13			35	23	31	64	30.13	30.22	8.31	11	6	33	
14			36	23	32	63	30.11	30.20	8.68	11	6	33	
15			36	23	32	62	30.11	30.20	8.56	12	5	32	
16			36	23	32	63	30.11	30.20	8.91	10	5	33	
17			35	23	31	66	30.12	30.21	8.59	8	4	32	
18			34	23	30	67	30.13	30.22	8.56	9	4	32	
19			33	23	30	69	30.14	30.23	8.75	8	3	33	
20			32	23	29	71	30.14	30.23	8.91	8	4	34	
21			32	23	29	71	30.15	30.24	9.17	9	4	34	
22			31	22	28	71	30.15	30.24	9.20	9	4	33	
23			31	22	28	73	30.15	30.24	9.36	9	4	34	
24			30	22	28	74	30.14	30.23	9.04	8	3	34	



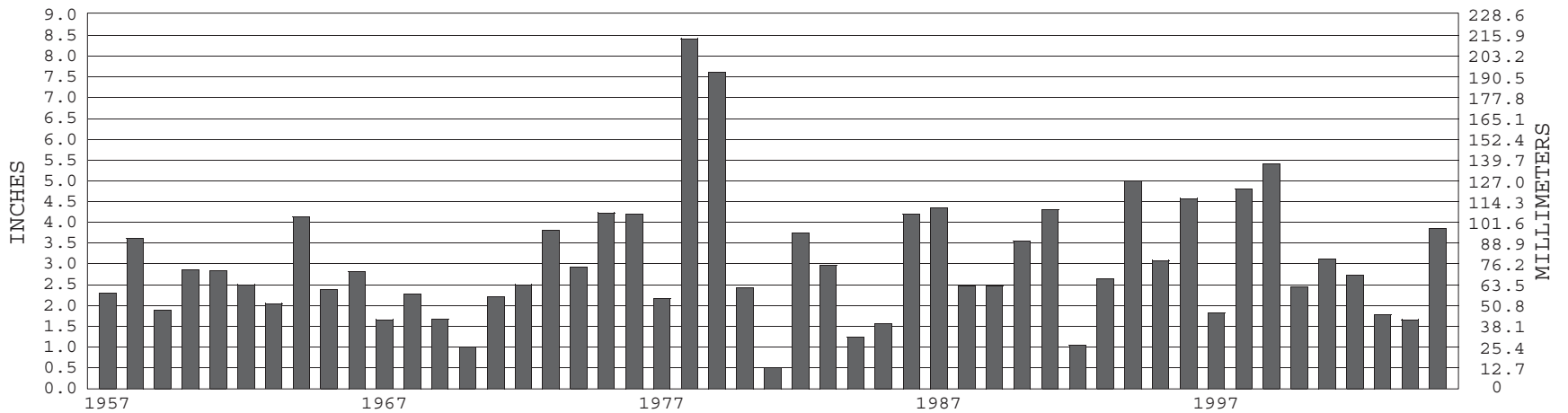
### WILMINGTON, DE JANUARY TEMPERATURES



+ Extreme Max.      ● Mean Max.      ▲ Mean      × Mean Min.      ◆ Extreme Min.

Long-Term (1957-2005) Mean: 31.3      1971-2000 Normal: 31.5

### WILMINGTON, DE JANUARY PRECIPITATION



Long-Term (1957-2005) Mean Monthly Total: 3.06

1971-2000 Normal: 3.43



JANUARY 2005  
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 is \$29 for online delivery (including back issues) compared to \$34 for offline delivery.** To order this and other subscriptions online with your credit card, go to: [www.ncdc.noaa.gov](http://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](mailto:ncdc.info@noaa.gov)  
Local Climatological Data is available at [www.ncdc.noaa.gov](http://www.ncdc.noaa.gov)

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

OFFICIAL BUSINESS. PENALTY FOR PRIVATE USE \$300

FIRST CLASS  
POSTAGE AND FEES PAID  
NOAA  
PERMIT G-19