FEBRUARY 1997
LOCAL CLIMATOLOGICAL DATA
NOAA, National Climatic Data Center

WILMINGTON, DE
GREATER WILMINGTON AIRPORT (ILG)
Lat: 39°40' N Long: 75°36' W Elev (Ground): 74 Feet
Time Zone: EASTERN WBAN: 13781 ISSN #:0198−117X

DATE	TEMPERATURE °F MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	DEG DAYS BASE 65° HEATING	COOLING	WEATHER	SNOW/ICE ON GND(IN) 0700 LST DEPTH	1300 LST WATER EQUIV	PRECIPITATION (INCHES) 2400 LST SNOW−FALL	2400 LST WATER EQUIV	PRESSURE (INCHES OF HG) AVERAGE STATION	AVERAGE SEA LEVEL	WIND SPEED = MPH DIR = TENS OF DEGREES RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM 5−SEC SPEED	MAXIMUM 5−SEC DIR	MAXIMUM 2−MIN SPEED	MAXIMUM 2−MIN DIR	DATE
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	53	33	43	12	35	39	22	0	RA BR				0.01	29.74	29.82	7.2	28	9.1	25	29	23	28	01
02	46	31	39	8	31	36	26	0	BR HZ				0.00	30.10	30.18	1.9	20	5.5	13	30	11	16	02
03	53	31	42	11	35	39	23	0	RA BR HZ				T	30.21	30.29	3.2	31	5.7	25	36	22	36	03
04	42	30	36	5	33	35	29	0	RA PE BR				0.54	30.35	30.43	8.9	07	10.1	21	08	18	08	04
05	51	39	45	14	38	41	20	0	RA FG+ BR				0.50	29.93	30.01	8.7	27	10.4	31	28	25	28	05
06	41	29	35	4	25	33	30	0					0.00	30.09	30.18	11.0	30	11.4	24	31	22	29	06
07	40	28	34	2	27	32	31	0	BR HZ				0.00	30.17	30.26	6.2	28	3.6	10	21	9	20	07
08	36	28	32	0	29	30	33	0	SN FG+ FZFG BR HZ	2			0.08	30.12	30.21	11.5	02	12.6	25	04	23	03	08
09	34	23	29	−3	20	26	36	0	RA SN BR UP	5			T	30.17	30.25	7.1	31	7.5	18	36	15	36	09
10	32	21	27	−5	18	24	38	0	HZ				0.00	30.13	30.22	7.6	30	7.5	17	30	15	30	10
11	33	21	27	−5	15	24	38	0					0.00	30.09	30.18	9.6	30	10.7	21	31	18	31	11
12	38	26	32	−1	23	30	33	0	SN HZ				T	30.07	30.16	7.7	23	9.5	29	28	21	29	12
13	32	22	27*	−6	11	24	38	0					0.00	30.44	30.53	4.1	01	9.0	24	32	21	32	13
14	43	27	35	2	35	36	30	0	RA FZRA SN FG+ FZFG BR				0.43	30.01	30.10	3.4	02	8.9	18	05	16	05	14
15	45	33	39	6	30	35	26	0	RA BR				0.16	29.96	30.05	7.6	29	9.6	31	27	25	30	15
16	38	24	31	−2	20	29	34	0	SN BR				0.01	30.24	30.33	2.2	24	8.3	22	30	18	30	16
17	36	28	32	−2	16	27	33	0	UP BR				T	30.41	30.49	8.1	29	11.0	36	30	31	29	17
18	55	29	42	8	26	36	23	0					0.00	30.27	30.36	11.3	20	11.6	23	19	20	19	18
19	67	41	54	20	35	46	11	0	RA				T	29.98	30.06	9.9	23	11.8	40	29	33	30	19
20	54	38	46	11	31	39	19	0					0.00	30.25	30.34	3.0	22	9.6	22	29	18	30	20
21	68	36	52	17	48	50	13	0	RA BR				T	29.90	29.99	9.0	18	10.7	35	19	26	18	21
22	69	38	54	19	43	49	11	0	RA				T	29.70	29.79	13.1	25	16.9	41	28	36*	28	22
23	49	30	40	5	20	33	25	0					0.00	30.25	30.34	7.5	26	9.5	26	27	20	27	23
24	48	30	39	3	20	33	26	0					0.00	30.28	30.37	10.6	28	11.3	25	28	22	28	24
25	37	21*	29	−7	9	24	36	0					0.00	30.27	30.36	5.5	29	8.0	23	32	20	31	25
26	57	27	42	6	33	38	23	0	RA BR				0.09	30.04	30.13	7.7	19	8.0	21	20	17	21	26
27	73*	45	59*	22	55	58	6	0	RA BR				0.01	29.68	29.77	17.1	21	17.9	41*	22	33	22	27
28	60	38	49	12	34	42	16	0					0.00	30.13	30.21	5.2	28	7.2	26	31	22	32	28
	47.5	30.3	38.9		28.4	35.3	26.0	0.0	< MONTHLY AVERAGES	TOTALS−>			1.83	30.11	30.19	4.5	27	9.8	<− MONTHLY AVERAGES				
	5.6	5.5	5.5		<−−−−−−−−−−−−− DEPARTURE FROM NORMAL −−−−−−−−−−−−−>								−1.08	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									

DEGREE DAYS

	MONTHLY TOTAL	MONTHLY DEPARTURE	SEASON TO DATE TOTAL	SEASON TO DATE DEPARTURE
HEATING:	729	−156	3636	−104
COOLING:	0	0	0	0

GREATEST 24−HR PRECIPATATION: 1.04 DATE: 4−5
GREATEST 24−HR SNOWFALL: DATE:
GREATEST SNOW DEPTH: DATE:

	SEA LEVEL PRESSURE	DATE	TIME
MAXIMUM	30.66	13	1208
MINIMUM	29.55	21	2352

NUMBER OF DAYS WITH →

MAXIMUM TEMP ≥ 90:	0	MINIMUM TEMP ≤ 32 :	19
MAXIMUM TEMP ≤ 32 :	2	MINIMUM TEMP ≤ 0 :	0
THUNDERSTORMS :	0	HEAVY FOG :	3
PRECIPITATION ≥ 0.01 INCH :	9		
PRECIPITATION ≥ 0.10 INCH :	4		
SNOWFALL ≥ 1.0 INCH :	0		

FEBRUARY 1997
WILMINGTON, DE

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

FEBRUARY 1997 ILG WBAN # 13781

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note 2)	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	01													01		0.01
02													02													02		0.00
03			T		T	T				T			03	T												03		T
04													04	T	T	T	T		0.03	0.07	0.06	0.08	0.08	0.13	0.09	04		0.54
05	0.07	0.01	0.02	0.01	0.02	0.06	0.08	0.12	0.11	T			05													05		0.50
06													06													06		0.00
07													07													07		0.00
08					T	T	0.01	T	T	T	0.01	T	08	0.01	T	T	0.01	0.02	0.01	T	T	T	0.01	T	T	08		0.08
09	T	T	T										09				T									09		T
10													10													10		0.00
11													11													11		0.00
12													12										T	T		12		T
13													13													13		0.00
14	T	0.02	0.01	0.02	0.01	0.04	0.05	0.06	0.09	0.04	0.01	0.01	14										T	0.03	0.03	14	0.42	0.43
15	0.02	0.03	0.03	0.03	0.02	0.03	0.01	T	T				15													15	0.17	0.16
16													16												0.01	16		0.01
17	T	T											17													17		T
18													18													18		0.00
19													19										T			19		T
20													20													20		0.00
21													21									T	T		T	21		T
22	T												22	T	T											22		T
23													23													23		0.00
24													24													24		0.00
25													25													25		0.00
26													26					T	T	T	0.06	0.02	0.01			26		0.09
27										0.01			27		T	T										27		0.01
28													28													28		0.00

MAXIMUM SHORT DURATION PRECIPITATION (See Note 1)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.05	.07	.08	.09	.11	.13	.16	.19	.23	.25	.29	.32
Ending Date	04	04	04	04	04	04	04	04	05	05	05	05
Ending Time (Hour/Min)	2224	2226	2229	2226	2232	2240	2316	2316	0828	0828	0027	0018

Date and time are not entered for TRACE amounts.

Note 1: NCDC derives these data from one–minute ASOS values. The table is not printed when inconsistent with ASOS hourly totals.

Note 2: 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 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 1961−1990

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	PE 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
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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 at constant pressure by evaporation of moisture into it, to 100% relative humidity.

ADDITIONAL NOTES:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
			SR−SS		MN−MN				
	TOTAL MINUTES	PERCENT POSSIBLE	CEILOMETER	SATELLITE	CEILOMETER	SATELLITE	MINIMUM	MAXIMUM	
01							1.25	10.00	
02							5.00	10.00	
03							4.00	10.00	
04							3.00	10.00	
05							.50	10.00	
06							8.00	10.00	
07							5.00	10.00	
08							.25	10.00	
09							6.00	10.00	
10							4.00	10.00	
11							10.00	10.00	
12							5.00	10.00	
13							10.00	10.00	
14							.25	8.00	
15							2.00	10.00	
16							3.00	10.00	
17							5.00	10.00	
18							8.00	10.00	
19							10.00	10.00	
20							9.00	10.00	
21							3.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							.75	10.00	
27							.75	10.00	
28							10.00	10.00	
MONTHLY AVGS							5.49	9.93	

SUNSHINE (MINUTES)

Total: Possible:
Percent Possible:

NUMBER OF DAYS WITH:

SKY CONDITION

CLR	PTLY CLDY	CLOUDY	MISSING
			28

MINIMUM VISIBILITY (MILES)

<=0.25	<=3.0	>=7.0
2	10	11

OBSERVATIONS AT 3–HOURLY INTERVALS

WILMINGTON, DE

FEBRUARY 1997 ILG WBAN # 13781

HOUR (LST)	≤ 12K FEET: SKY COVER	≤ 12K FEET: 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: 0710 FEB 01 SUNSET: 1722														
01	OVC	090			5.00	BR	38	38	38	100	5	18	29.58	29.67
04	CLR	NC			4.00	BR	36	35	36	97	5	19	29.56	29.65
07	FEW	NC			3.00	BR	34	34	34	100	5	23	29.60	29.69
10	CLR	NC			6.00	BR	42	38	40	85	10	25	29.67	29.76
13	SCT	NC			10.00		52	35	44	53	18	29	29.71	29.80
16	OVC	049			10.00		50	34	43	54	13	29	29.79	29.88
19	BKN	043			10.00		44	33	39	65	12	30	29.86	29.95
22	OVC	037			10.00		40	32	37	73	8	29	29.94	30.03
SUNRISE: 0709 FEB 02 SUNSET: 1724														
01	OVC	033			10.00		39	31	36	73	6	31	29.98	30.07
04	CLR	NC			9.00		36	29	33	76	5	26	30.02	30.11
07	CLR	NC			7.00		33	28	31	82	5	28	30.07	30.16
10	CLR	NC			6.00	HZ	40	31	36	70	0	00	30.14	30.23
13	CLR	NC			10.00		44	31	39	60	6	18	30.11	30.20
16	CLR	NC			10.00		44	32	39	63	7	16	30.10	30.19
19	CLR	NC			10.00		38	32	36	79	7	15	30.13	30.22
22	OVC	085			10.00		38	35	37	89	5	17	30.15	30.24
SUNRISE: 0708 FEB 03 SUNSET: 1725														
01	OVC	100			9.00		38	35	37	89	0	00	30.12	30.21
04	OVC	095			7.00		38	35	37	89	0	00	30.11	30.20
07	BKN	095			7.00		37	35	36	93	0	00	30.13	30.22
10	SCT	NC			4.00	BR	41	38	40	89	0	00	30.15	30.24
13	BKN	095			10.00		50	39	45	66	3	31	30.15	30.23
16	CLR	NC			9.00		52	38	45	59	14	36	30.19	30.27
19	CLR	NC			10.00		41	30	37	65	15	36	30.30	30.39
22	CLR	NC			10.00		36	27	33	70	12	01	30.37	30.46
SUNRISE: 0707 FEB 04 SUNSET: 1726														
01	CLR	NC			10.00		31	26	29	82	8	35	30.42	30.51
04	CLR	NC			10.00		34	27	31	76	10	03	30.41	30.50
07	CLR	NC			10.00		34	28	32	79	14	05	30.42	30.52
10	OVC	020			9.00		36	30	34	79	7	09	30.48	30.57
13	BKN	048			8.00	-RA	38	33	36	83	13	06	30.40	30.49
16	BKN	023			10.00		40	34	37	79	6	09	30.34	30.43
19	OVC	013			3.00	RA BR	39	38	39	96	7	10	30.29	30.38
22	OVC	007			3.00	RA BR	40	40	40	100	14	10	30.14	30.23
SUNRISE: 0706 FEB 05 SUNSET: 1727														
01	OVC	003			1.50	-RA BR	41	41	41	100	6	28	30.00	30.09
04	OVC	003			4.00	BR	43	43	43	100	7	22	29.94	30.03
07	OVC	005			4.00	RA BR	42	42	42	100	6	19	29.90	29.99
10	OVC	005			8.00		42	42	42	100	8	25	29.91	30.00
13	FEW	NC			10.00		51	40	46	66	20	27	29.86	29.95
16	OVC	041			10.00		44	35	40	71	18	31	29.90	29.98
19	OVC	043			10.00		43	30	38	60	10	27	29.94	30.03
22	OVC	035			10.00		40	31	36	70	14	29	29.97	30.05
SUNRISE: 0705 FEB 06 SUNSET: 1728														
01	OVC	048			10.00		38	30	35	73	8	25	29.98	30.06
04	BKN	039			10.00		37	28	34	70	15	30	29.99	30.07
07	OVC	033			10.00		37	27	33	67	15	30	30.06	30.15
10	OVC	033			10.00		37	25	33	62	16	31	30.13	30.22
13	OVC	035			10.00		39	25	34	57	16	29	30.11	30.20
16	CLR	NC			10.00		40	24	34	53	12	29	30.10	30.19
19	CLR	NC			10.00		35	23	31	61	5	28	30.11	30.20
22	CLR	NC			10.00		32	23	29	69	7	27	30.13	30.22
SUNRISE: 0704 FEB 07 SUNSET: 1730														
01	CLR	NC			8.00		30	22	27	72	6	27	30.14	30.23
04	CLR	NC			8.00		30	24	28	79	6	26	30.14	30.23
07	CLR	NC			7.00		29	25	28	85	3	20	30.17	30.26
10	CLR	NC			6.00	HZ	35	24	31	64	6	23	30.20	30.29
13	CLR	NC			10.00		39	26	34	60	3	21	30.17	30.26
16	OVC	070			10.00		40	28	35	63	3	VR	30.14	30.23
19	FEW	NC			10.00		38	27	34	65	3	25	30.18	30.27
22	BKN	060			9.00		34	31	33	89	0	00	30.19	30.29
SUNRISE: 0703 FEB 08 SUNSET: 1731														
01	CLR	NC			5.00	BR	31	30	31	96	3	32	30.16	30.25
04	OVC	030			10.00		35	24	31	64	12	04	30.16	30.25
07	OVC	020			3.00	-SN BR	31	30	31	96	13	05	30.16	30.25
10	OVC	017			1.25	-SN BR	32	30	31	92	18	04	30.11	30.20
13	OVC	012			4.00	-SN BR	31	29	30	92	16	03	30.08	30.17
16	OVC	015			1.25	-SN BR	30	29	30	96	12	36	30.07	30.16
19	OVC	010			2.00	-SN BR	29	29	29	100	10	35	30.11	30.20
22	OVC	014			1.75	-SN BR	29	27	28	92	14	36	30.13	30.22
SUNRISE: 0702 FEB 09 SUNSET: 1732														
01	OVC	024			6.00	-SN BR	28	26	27	92	12	35	30.13	30.22
04	CLR	NC			10.00		25	22	24	88	8	34	30.14	30.23
07	OVC	037			10.00		26	23	25	88	3	34	30.16	30.25
10	CLR	NC			10.00		29	23	27	78	8	27	30.19	30.28
13	CLR	NC			10.00		32	14	26	47	10	30	30.17	30.26
16	CLR	NC			10.00		33	13	27	43	12	30	30.15	30.24
19	CLR	NC			10.00		31	17	26	56	6	28	30.17	30.26
22	CLR	NC			9.00		25	20	23	81	0	00	30.19	30.28
SUNRISE: 0701 FEB 10 SUNSET: 1733														
01	CLR	NC			8.00		24	21	23	88	0	00	30.15	30.24
04	CLR	NC			8.00		23	17	21	78	8	30	30.16	30.26
07	CLR	NC			7.00		22	18	21	85	0	00	30.17	30.26
10	CLR	NC			7.00		29	19	26	66	6	29	30.19	30.29
13	SCT	NC			10.00		31	19	27	61	9	29	30.15	30.24
16	CLR	NC			10.00		30	18	26	61	12	29	30.09	30.18
19	CLR	NC			10.00		28	18	25	66	6	30	30.08	30.17
22	CLR	NC			10.00		26	15	23	63	9	31	30.08	30.17
SUNRISE: 0659 FEB 11 SUNSET: 1734														
01	CLR	NC			10.00		25	14	22	63	9	32	30.07	30.16
04	CLR	NC			10.00		24	13	21	62	14	32	30.05	30.14
07	CLR	NC			10.00		21	12	19	68	12	30	30.09	30.18
10	CLR	NC			10.00		28	17	25	63	17	31	30.11	30.20
13	CLR	NC			10.00		32	17	27	54	14	30	30.06	30.15
16	CLR	NC			10.00		33	16	28	49	13	30	30.06	30.15
19	CLR	NC			10.00		31	16	26	54	7	26	30.11	30.20
22	CLR	NC			10.00		29	17	25	61	5	22	30.12	30.21
SUNRISE: 0658 FEB 12 SUNSET: 1735														
01	CLR	NC			10.00		28	19	25	69	6	23	30.10	30.19
04	CLR	NC			8.00		28	21	26	75	8	21	30.08	30.17
07	BKN	055			6.00	HZ	29	23	27	78	6	21	30.09	30.19
10	BKN	050			8.00		33	25	30	72	8	20	30.09	30.18
13	FEW	NC			10.00		37	23	32	57	10	21	30.00	30.09
16	BKN	050			10.00		38	25	33	60	8	25	29.99	30.08
19	CLR	NC			10.00		34	25	31	70	8	20	30.01	30.10
22	OVC	044			6.00	-SN	35	28	32	76	22	30	30.11	30.21

OBSERVATIONS AT 3–HOURLY INTERVALS

WILMINGTON, DE

FEBRUARY 1997 ILG WBAN # 13781

HOUR (LST)	≤ 12K FEET: SKY COVER	≤ 12K FEET: 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: 0657	**FEB 13**			**SUNSET: 1737**					
01	FEW	NC			10.00		31	17	26	56	13	29	30.21	30.31
04	BKN	044			10.00		28	16	24	61	13	30	30.32	30.41
07	CLR	NC			10.00		22	7	18	52	13	36	30.44	30.53
10	CLR	NC			10.00		25	7	20	46	9	01	30.55	30.64
13	CLR	NC			10.00		30	8	24	39	3	09	30.55	30.65
16	CLR	NC			10.00		32	9	25	38	7	06	30.48	30.57
19	CLR	NC			10.00		31	9	25	40	14	06	30.42	30.51
22	CLR	NC			10.00		30	13	25	49	8	12	30.46	30.55
					SUNRISE: 0656	**FEB 14**			**SUNSET: 1738**					
01	VV	014			1.00	-SN BR	28	25	27	88	9	05	30.37	30.46
04	OVC	006			4.00	-FZRA BR	31	30	31	96	14	07	30.22	30.32
07	OVC	002			3.00	-RA BR	34	34	34	100	14	06	30.09	30.18
10	OVC	002			2.00	-RA BR	38	38	38	100	12	03	29.95	30.04
13	OVC	002			1.00	BR	42	42	42	100	9	29	29.86	29.95
16	OVC	010			6.00	BR	39	37	38	93	9	27	29.88	29.97
19	CLR	NC			8.00		37	34	36	89	5	26	29.92	30.01
22	OVC	065			5.00	-RA BR	37	36	37	96	3	25	29.93	30.02
					SUNRISE: 0654	**FEB 15**			**SUNSET: 1739**					
01	OVC	002			2.00	-RA BR	36	36	36	100	5	19	29.86	29.95
04	OVC	040			4.00	-RA BR	36	36	36	100	3	26	29.86	29.95
07	OVC	018			5.00	-RA BR	36	36	36	100	5	31	29.87	29.96
10	BKN	031			3.00	BR	39	38	39	96	9	28	29.91	30.00
13	BKN	041			10.00		43	29	37	58	16	30	29.91	30.00
16	BKN	049			10.00		43	24	36	47	20	27	29.95	30.04
19	CLR	NC			10.00		38	23	32	55	5	25	30.06	30.15
22	SCT	NC			10.00		34	25	31	70	10	29	30.15	30.24
					SUNRISE: 0653	**FEB 16**			**SUNSET: 1740**					
01	CLR	NC			10.00		33	18	28	54	15	28	30.22	30.31
04	CLR	NC			10.00		30	17	26	59	10	28	30.27	30.36
07	CLR	NC			10.00		27	14	23	58	7	32	30.32	30.41
10	CLR	NC			10.00		32	14	26	47	0	00	30.34	30.43
13	CLR	NC			10.00		35	18	29	50	9	15	30.27	30.36
16	BKN	090			10.00		37	21	31	52	10	13	30.17	30.26
19	BKN	110			10.00		34	27	31	76	15	14	30.17	30.26
22	OVC	080			8.00		33	29	32	85	7	16	30.12	30.22
					SUNRISE: 0652	**FEB 17**			**SUNSET: 1741**					
01	OVC	055			5.00	BR	32	31	32	96	5	24	30.12	30.21
04	FEW	NC			10.00		31	19	27	61	25	29	30.21	30.30
07	BKN	038			10.00		29	18	25	64	15	31	30.34	30.43
10	CLR	NC			10.00		30	14	25	51	14	32	30.48	30.57
13	CLR	NC			10.00		34	14	28	44	7	VR	30.48	30.57
16	SCT	NC			10.00		35	13	28	40	5	30	30.49	30.58
19	OVC	120			10.00		33	11	26	40	0	00	30.50	30.59
22	OVC	110			10.00		33	14	27	45	7	19	30.49	30.58
					SUNRISE: 0651	**FEB 18**			**SUNSET: 1742**					
01	CLR	NC			10.00		30	15	25	54	8	18	30.46	30.55
04	CLR	NC			10.00		30	18	26	61	7	19	30.41	30.50
07	CLR	NC			9.00		31	25	29	79	7	20	30.40	30.50
10	CLR	NC			10.00		41	24	35	51	15	22	30.37	30.46
13	CLR	NC			10.00		50	27	41	41	15	21	30.26	30.35
16	CLR	NC			10.00		55	30	44	39	14	20	30.17	30.26
19	CLR	NC			10.00		51	31	42	46	15	19	30.13	30.22
22	CLR	NC			10.00		52	30	43	43	14	21	30.11	30.19
					SUNRISE: 0649	**FEB 19**			**SUNSET: 1743**					
01	CLR	NC			10.00		50	28	41	43	10	21	30.06	30.14
04	CLR	NC			10.00		45	30	39	56	8	20	30.04	30.12
07	CLR	NC			10.00		43	30	38	60	6	20	30.04	30.13
10	CLR	NC			10.00		51	33	43	50	9	21	30.02	30.11
13	CLR	NC			10.00		65	34	50	32	14	23	29.95	30.04
16	CLR	NC			10.00		67	39	53	36	10	20	29.86	29.95
19	OVC	085			10.00		61	39	50	44	10	21	29.85	29.94
22	OVC	070			10.00		57	46	51	67	20	29	29.96	30.04
					SUNRISE: 0648	**FEB 20**			**SUNSET: 1745**					
01	CLR	NC			10.00		50	38	44	63	10	28	30.04	30.12
04	CLR	NC			10.00		45	31	39	58	15	30	30.14	30.23
07	CLR	NC			9.00		38	30	35	73	7	30	30.24	30.33
10	CLR	NC			10.00		46	26	38	46	12	32	30.32	30.41
13	CLR	NC			10.00		50	27	41	41	7	13	30.31	30.40
16	CLR	NC			10.00		53	29	43	40	9	14	30.28	30.37
19	CLR	NC			10.00		42	31	38	65	15	16	30.29	30.38
22	CLR	NC			10.00		39	35	37	86	10	16	30.29	30.38
					SUNRISE: 0647	**FEB 21**			**SUNSET: 1746**					
01	CLR	NC			8.00		38	35	37	89	7	16	30.22	30.30
04	OVC	036			7.00		38	37	38	97	0	00	30.14	30.22
07	OVC	026			9.00		40	39	40	97	7	13	30.07	30.16
10	OVC	006			6.00	BR	46	43	45	89	6	17	30.04	30.12
13	BKN	017			7.00		54	49	51	83	8	15	29.90	29.98
16	SCT	NC			10.00		68	56	61	66	16	19	29.76	29.85
19	OVC	050			10.00		62	55	58	78	17	18	29.70	29.79
22	BKN	019			10.00		59	57	58	93	9	15	29.62	29.71
					SUNRISE: 0645	**FEB 22**			**SUNSET: 1747**					
01	CLR	NC			10.00		65	61	63	87	15	21	29.55	29.63
04	CLR	NC			10.00		60	56	58	86	17	20	29.55	29.64
07	CLR	NC			10.00		59	55	57	87	14	20	29.55	29.64
10	CLR	NC			10.00		65	55	59	70	20	22	29.56	29.65
13	BKN	060			10.00	-RA	60	52	56	75	25	28	29.57	29.66
16	CLR	NC			10.00		53	27	42	37	23	29	29.75	29.83
19	CLR	NC			10.00		44	25	37	47	20	30	29.89	29.98
22	OVC	050			10.00		39	25	34	57	8	29	30.01	30.09
					SUNRISE: 0644	**FEB 23**			**SUNSET: 1748**					
01	CLR	NC			10.00		39	24	33	55	12	27	30.08	30.16
04	CLR	NC			10.00		34	19	29	54	10	30	30.16	30.25
07	CLR	NC			10.00		32	16	27	52	3	23	30.25	30.35
10	CLR	NC			10.00		39	17	31	41	9	31	30.31	30.40
13	CLR	NC			10.00		45	15	34	30	10	26	30.27	30.36
16	CLR	NC			10.00		48	20	37	33	9	23	30.25	30.33
19	CLR	NC			10.00		43	23	35	45	9	19	30.27	30.36
22	BKN	080			10.00		40	24	34	53	9	21	30.29	30.38
					SUNRISE: 0642	**FEB 24**			**SUNSET: 1749**					
01	BKN	065			10.00		37	28	34	70	8	28	30.30	30.39
04	CLR	NC			10.00		35	28	32	76	6	23	30.30	30.39
07	CLR	NC			10.00		33	23	30	67	5	27	30.34	30.43
10	CLR	NC			10.00		42	22	35	45	15	25	30.36	30.45
13	CLR	NC			10.00		47	20	37	34	17	28	30.28	30.37
16	CLR	NC			10.00		47	16	36	29	15	27	30.20	30.29
19	SCT	NC			10.00		40	15	32	36	9	29	30.22	30.31
22	CLR	NC			10.00		37	14	30	39	10	28	30.25	30.35

OBSERVATIONS AT 3−HOURLY INTERVALS

WILMINGTON, DE

FEBRUARY 1997 ILG WBAN # 13781

HOUR (LST)	≤ 12K FEET: SKY COVER	≤ 12K FEET: 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: 0641	**FEB 25**			**SUNSET: 1750**					
01	CLR	NC			10.00		31	8	24	38	10	33	30.27	30.36
04	CLR	NC			10.00		25	8	20	48	12	33	30.30	30.39
07	CLR	NC			10.00		21	6	17	52	6	34	30.35	30.44
10	CLR	NC			10.00		26	5	21	40	5	32	30.35	30.45
13	CLR	NC			10.00		32	5	25	32	6	26	30.29	30.38
16	CLR	NC			10.00		36	7	27	30	7	27	30.23	30.32
19	CLR	NC			10.00		32	11	26	41	6	19	30.21	30.30
22	CLR	NC			10.00		31	17	26	56	8	18	30.20	30.29
					SUNRISE: 0640	**FEB 26**			**SUNSET: 1751**					
01	CLR	NC			10.00		28	20	25	72	6	20	30.16	30.25
04	CLR	NC			9.00		29	24	27	82	5	18	30.13	30.22
07	CLR	NC			6.00	BR	29	25	28	85	0	00	30.13	30.22
10	CLR	NC			10.00		42	32	38	68	10	22	30.12	30.21
13	CLR	NC			10.00		53	34	44	49	14	19	30.04	30.12
16	SCT	NC			10.00		56	33	46	42	8	20	29.97	30.06
19	OVC	041			10.00	-RA	49	40	45	71	12	19	29.97	30.06
22	OVC	002			1.50	BR	44	44	44	100	10	15	29.89	29.98
					SUNRISE: 0638	**FEB 27**			**SUNSET: 1752**					
01	OVC	001			0.75	BR	46	46	46	100	5	16	29.79	29.87
04	OVC	001			3.00	BR	53	53	53	100	13	20	29.72	29.80
07	OVC	007			8.00		59	57	58	93	22	21	29.69	29.78
10	FEW	NC			10.00		66	58	61	75	30	21	29.66	29.75
13	FEW	NC			10.00		71	58	63	63	25	21	29.58	29.67
16	CLR	NC			10.00		72	58	63	61	22	21	29.55	29.64
19	CLR	NC			10.00		70	56	62	61	16	21	29.63	29.72
22	CLR	NC			10.00		64	56	59	75	9	23	29.76	29.85
					SUNRISE: 0637	**FEB 28**			**SUNSET: 1753**					
01	CLR	NC			10.00		58	36	48	44	14	30	29.88	29.96
04	CLR	NC			10.00		51	32	43	48	17	32	29.95	30.04
07	CLR	NC			10.00		46	33	40	61	6	28	30.08	30.16
10	CLR	NC			10.00		50	33	43	52	8	34	30.12	30.21
13	CLR	NC			10.00		52	32	43	47	5	36	30.17	30.26
16	CLR	NC			10.00		54	33	45	45	5	VR	30.17	30.26
19	CLR	NC			10.00		50	33	43	52	0	00	30.22	30.31
22	FEW	NC			10.00		41	35	38	79	0	00	30.28	30.37
					SUNRISE:	**FEB 29**			**SUNSET:**					
					SUNRISE:	**FEB 30**			**SUNSET:**					

HOUR (LST)	≤ 12K FEET: SKY COVER	≤ 12K FEET: 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:	**FEB 31**			**SUNSET:**					

3−HOURLY OBSERVATION NOTES

Sky Cover is the amount of the sky obscured. CLR = 0, FEW = 1/8−2/8,SCT = 3/8−4/8, BKN = 5/8−7/8, OVC = 8/8, VV = Vertical Visibilty = 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.

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			37	29	34	75	30.09	30.17	7.83	7	4	31
02			36	29	34	76	30.09	30.18	8.02	8	4	27
03			36	28	33	75	30.08	30.17	8.17	9	5	27
04			35	28	33	75	30.09	30.18	8.39	9	5	27
05			35	28	32	77	30.09	30.19	8.00	8	4	27
06			34	28	32	78	30.11	30.20	8.11	8	3	27
07			34	28	32	79	30.12	30.21	7.96	7	2	27
08			35	28	33	78	30.13	30.22	7.28	8	2	27
09			37	29	34	73	30.14	30.23	7.53	9	4	27
10			39	29	35	67	30.14	30.23	8.08	10	5	24
11			41	29	37	63	30.14	30.22	8.65	10	4	28
12			43	29	38	58	30.12	30.21	8.94	10	6	27
13			44	28	38	56	30.10	30.18	9.29	10	5	27
14			45	28	38	54	30.08	30.17	9.26	11	6	27
15			45	28	38	53	30.07	30.16	9.46	11	5	27
16			45	28	38	53	30.07	30.16	9.51	10	5	27
17			44	28	38	55	30.08	30.17	9.41	10	4	27
18			42	28	36	58	30.09	30.17	9.43	9	3	27
19			41	28	36	62	30.10	30.19	9.39	9	3	27
20			40	29	36	66	30.11	30.20	9.18	8	3	27
21			39	29	35	70	30.11	30.20	9.05	8	3	27
22			38	29	35	72	30.12	30.21	8.69	9	3	27
23			38	29	35	71	30.12	30.21	8.76	8	3	27
24			37	29	34	73	30.11	30.20	8.38	9	4	28

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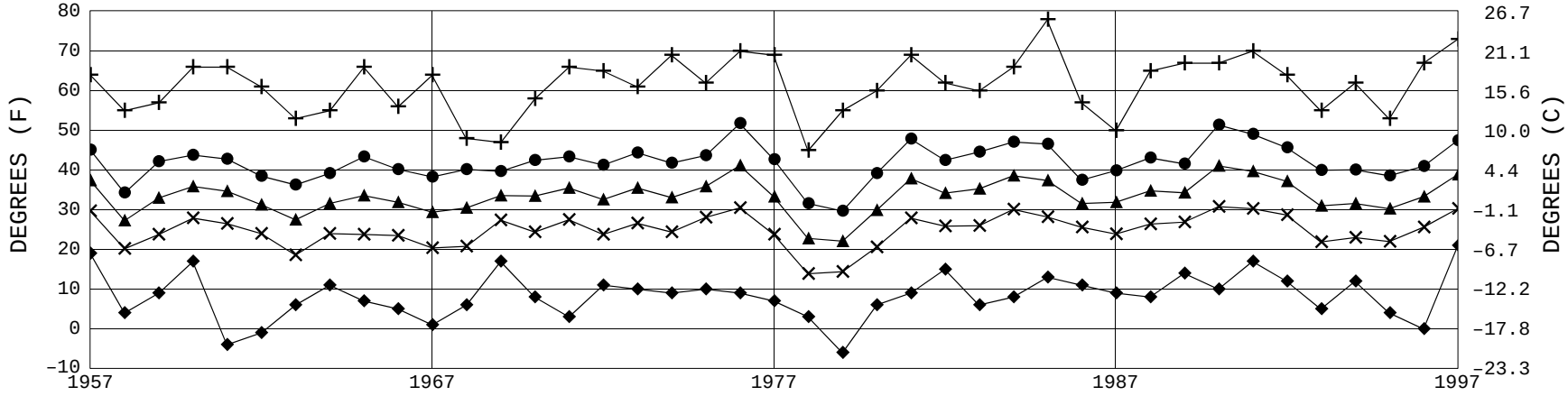
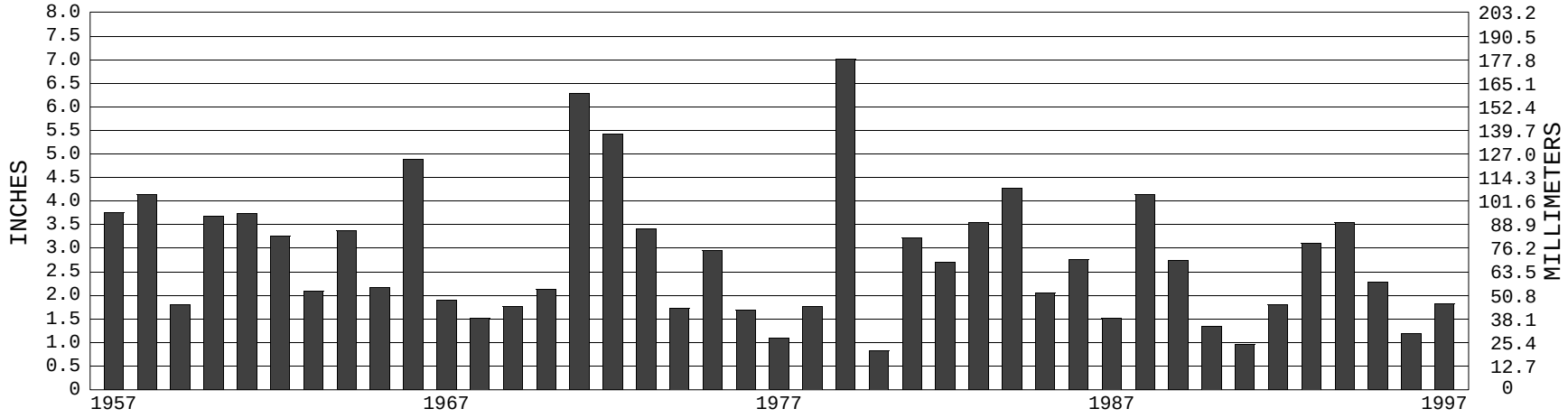
WILMINGTON, DE FEBRUARY TEMPERATURES



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

Long–Term (1957–1997) Mean: 33.5 1961–1990 Normal: 33.4

WILMINGTON, DE FEBRUARY PRECIPITATION



Long–Term (1957–1997) Mean Monthly Total: 2.82 1961–1990 Normal: 2.91

FEBRUARY 1997
WILMINGTON, DE

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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Kenneth D Hadeen

DIRECTOR

NOTICE

Effective July 1, 1996, the National Weather Service & Federal Aviation Administration began using the METAR format for Hourly Observations.

We welcome your questions or comments, please contact us at
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