



JUNE 2000

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

WILMINGTON, DE

NEW CASTLE COUNTY APRT (ILG)

Lat: 39° 40' N Long: 75° 36' W Elev (Ground): 93 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										
																			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	87	56	72	4	63	67	0	7	BR HZ				0.00	29.94	30.04	4.3	24	5.8	15	28	13	27	01								
02	91	67	79	11	69	72	0	14	BR HZ				0.00	29.84	29.93	7.1	24	8.1	23	25	17	30	02								
03	76	61	69	1	52	60	0	4					0.00	29.96	30.06	7.4	32	10.4	26	33	21	32	03								
04	74	56	65	-4	53	58	0	0					0.00	30.01	30.11	6.9	16	7.7	21	17	18	14	04								
05	69	59	64	-5	51	57	1	0					0.00	29.95	30.05	11.8	07	11.9	23	06	20	06	05								
06	60	55	58*	-11	54	56	7	0	RA BR				0.48	29.75	29.85	8.9	35	11.5	22	32	18	36	06								
07	76	52*	64	-6	51	57	1	0	RA				0.01	29.98	30.08	8.1	30	9.7	28	31	22	31	07								
08	81	55	68	-2	55	61	0	3					0.00	30.00	30.10	8.0	21	8.6	25	19	21	23	08								
09	87	64	76	6	61	67	0	11					0.00	29.96	30.05	8.1	22	8.4	20	23	16	23	09								
10	90	66	78	8	66	71	0	13	BR				0.00	29.97	30.07	7.5	23	8.1	22	24	18	24	10								
11	92*	71	82	12	69	73	0	17	BR HZ				0.00	29.95	30.05	7.2	23	9.5	22	22	17	22	11								
12	88	60	74	3	66	70	0	9	RA BR				0.79	29.97	30.07	2.6	01	6.7	32	03	29	03	12								
13	65	58	62	-9	32	48	3	0	RA BR HZ				0.03	30.06	30.15	8.0	08	8.7	18	07	15	06	13								
14	65	59	62	-9	60	61	3	0	RA BR				0.22	30.04	30.14	8.0	07	8.3	16	09	14	06	14								
15	81	61	71	-1	67	68	0	6	TS TSRA RA BR HZ				0.10	29.87	29.97	3.0	15	6.3	23	20	17	20	15								
16	86	68	77	5	70	73	0	12	RA				0.01	29.86	29.96	9.7	21	10.0	24	22	18	20	16								
17	90	74	82*	10	72	75	0	17	TSRA RA BR				0.07	29.92	30.01	6.0	23	7.7	24	33	20	32	17								
18	86	71	79	7	70	72	0	14	TS TSRA RA HZ				0.46	29.94	30.04	2.2	21	7.7	33	32	25	29	18								
19	73	58	66	-6	61	64	0	1	RA BR				0.01	30.04	30.14	6.3	34	7.1	16	35	14	36	19								
20	83	56	70	-3	58	63	0	5	BR HZ				0.00	30.05	30.15	3.2	22	6.8	18	05	13	15	20								
21	82	62	72	-1	66	69	0	7	RA BR				0.91	29.86	29.96	10.2	19	11.1	33*	27	30*	27	21								
22	85	69	77	4	67	70	0	12	RA BR				0.06	29.72	29.82	8.0	23	8.1	23	23	18	22	22								
23	84	63	74	1	60	66	0	9					0.00	29.86	29.95	7.1	29	7.5	21	28	17	29	23								
24	85	62	74	0	65	69	0	9					0.00	30.00	30.09	6.4	15	7.2	22	15	18	16	24								
25	88	72	80	6	70	74	0	15	TSRA RA BR				0.05	29.90	30.00	9.4	17	10.8	24	15	21	15	25								
26	89	71	80	6	66	71	0	15	TS TSRA RA BR HZ				0.17	29.86	29.95	6.9	21	8.1	25	20	22	20	26								
27	87	72	80	6	61	68	0	15	RA HZ				T	29.86	29.96	8.5	25	9.3	25	24	21	26	27								
28	78	66	72	-2	68	69	0	7	RA BR HZ				0.93	29.87	29.97	2.4	09	5.6	17	02	16	02	28								
29	75	62	69	-6	64	66	0	4	TS TSRA RA BR				0.53	29.74	29.84	1.0	05	5.3	32	31	26	30	29								
30	79	59	69	-6	57	62	0	4	BR				0.00	29.84	29.94	6.2	29	6.9	18	30	16	31	30								
81.1 62.8 72.0 ■■										61.5 65.9 0.5 7.7		< MONTHLY AVERAGES		TOTALS-->					4.83	29.92	30.02	2.0	21	8.3	<- MONTHLY AVERAGES						
-.3 1.2 0.5 ■■										<----- DEPARTURE FROM NORMAL ----->										1.28		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.97				DATE: 21-22				SEA LEVEL PRESSURE				DATE TIME										
MONTHLY									GREATEST 24-HR SNOWFALL:				DATE:				MAXIMUM				: 30.19				20 0751						
SEASON TO DATE									GREATEST SNOW DEPTH:				DATE:				MINIMUM				: 29.76				22 1651						
TOTAL DEPARTURE									NUMBER OF				MAXIMUM TEMP ≥ 90: 4				MINIMUM TEMP ≤ 32: 0				PRECIPITATION ≥ 0.01 INCH: 16										
HEATING: 15 15 4560 -377									MAXIMUM TEMP ≤ 32: 0				MINIMUM TEMP ≤ 0: 0				PRECIPITATION ≥ 0.10 INCH: 9														
COOLING: 230 31 322 79									THUNDERSTORMS: 6				HEAVY FOG: 0				SNOWFALL ≥ 1.0 INCH:														

**JUNE 2000
WILMINGTON, DE**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

JUNE 2000

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		0.06	0.00	
02													02												02			0.00	
03													03												03			0.00	
04													04												04			0.00	
05													05												05			0.00	
06													06												06	T	0.48		
07	0.01	T	T	T	0.11	0.04	0.03	0.02	0.05	0.04			07			T	T	0.11	0.07		0.01			07	0.01				
08													08											08	0.00				
09													09											09	0.00				
10													10											10	0.00				
11													11												11	0.06	0.00		
12													12												12		0.79		
13	T						T	0.01	0.01				13					0.19	0.48	0.08	0.02	0.02	T	0.01	13		0.03		
14	T			0.07	0.14	0.01							14												14		0.22		
15						T	0.01						15									0.05		T	15		0.10		
16	T	0.01	T										16												16	T	0.01		
17													17												17		0.07		
18						T	T						18				0.03	0.07	0.03	T	T			18	0.46				
19							T						19					0.40	0.03					19	0.01				
20													20											20	0.00				
21													21												21	0.06	0.91		
22	0.01	0.02	T	T				0.01	0.02				22									0.19	0.66	0.06	22		0.06		
23													23												23		0.00		
24													24												24		0.00		
25													25										0.02	0.03	25		0.05		
26													26												26	T	0.17		
27		0.06	0.06	T	T								27							T			0.05		27		T		
28				0.01	0.01	T	T						28	T	T	0.01	0.03	0.08	0.17	0.56	0.05	0.01		28	0.93				
29			T		T	T	0.01	0.01	T				29						0.21	T			0.01	0.29	29		0.53		
30													30												30		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)												
Ending Date												
Ending Time (Hour/Min)												

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.

* = 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

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

WEATHER NOTATIONS

**WILMINGTON, DE
JUNE 2000**

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).

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.

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							4.00	10.00	
02							1.50	10.00	
03							9.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							2.00	10.00	
07							10.00	10.00	
08							10.00	10.00	
09							10.00	10.00	
10							5.00	10.00	
11							3.00	10.00	
12							1.00	10.00	
13							2.50	10.00	
14							2.00	10.00	
15							1.00	10.00	
16							8.00	10.00	
17							1.75	10.00	
18							1.00	10.00	
19							2.50	10.00	
20							4.00	10.00	
21							1.50	10.00	
22							6.00	10.00	
23							8.00	10.00	
24							8.00	10.00	
25							4.00	10.00	
26							3.00	10.00	
27							1.50	10.00	
28							1.00	10.00	
29							1.00	10.00	
30							4.00	10.00	
MONTHLY AVGS							5.48	10.00	
SUNSHINE (MINUTES) Total: Possible: Percent Possible:									
NUMBER OF DAYS WITH: SKY CONDITION CLR PTLY CLDY CLOUDY MISSING 30 MINIMUM VISIBILITY (MILES) <=0.25 <=3.0 >=7.0 0 10 12									

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

JUNE 2000

ILG

WBAN # 13781

HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE ° F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE ° F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)			
	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Okta		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION		SEA LEVEL	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)		EFF CLD AMT Okta	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
					SUNRISE: 0437	JUN 01			SUNSET: 1924										SUNRISE: 0435	JUN 07			SUNSET: 1928						
01	CLR	NC			9.00	58	52	55	81	0	00	29.99	30.09	01	OVC	041			10.00	-RA	55	51	53	87	13	31	29.85	29.94	
04	SCT	NC			7.00	57	53	55	87	3	19	29.95	30.05	04	FEW	NC			10.00		53	48	50	83	8	32	29.93	30.03	
07	CLR	NC			7.00	62	57	59	84	5	18	29.98	30.08	07	CLR	NC			10.00		59	49	54	69	15	32	29.98	30.07	
10	CLR	NC			10.00	73	63	67	71	5	25	29.98	30.08	10	CLR	NC			10.00		67	48	57	51	13	32	30.02	30.11	
13	CLR	NC			7.00	85	68	74	57	8	30	29.93	30.03	13	CLR	NC			10.00		73	52	61	48	14	31	30.00	30.10	
16	CLR	NC			6.00 HZ	86	69	74	57	9	27	29.90	30.00	16	CLR	NC			10.00		75	50	61	42	13	29	29.97	30.07	
19	CLR	NC			6.00 HZ	81	70	74	69	8	22	29.91	30.00	19	FEW	NC			10.00		72	51	60	48	3	25	29.99	30.08	
22	CLR	NC			6.00 HZ	75	68	70	79	6	24	29.91	30.01	22	CLR	NC			10.00		65	54	59	68	6	24	30.03	30.13	
					SUNRISE: 0436	JUN 02			SUNSET: 1924										SUNRISE: 0435	JUN 08			SUNSET: 1928						
01	CLR	NC			5.00 BR	72	68	69	87	6	26	29.90	30.00	01	CLR	NC			10.00		60	56	58	86	6	25	30.04	30.14	
04	CLR	NC			3.00 BR	69	67	68	93	5	27	29.91	30.01	04	CLR	NC			10.00		56	54	55	93	3	28	30.05	30.14	
07	CLR	NC			2.50 HZ	74	69	71	85	5	27	29.92	30.02	07	CLR	NC			10.00		65	57	60	76	0	00	30.07	30.16	
10	CLR	NC			4.00 HZ	84	72	76	67	9	24	29.88	29.97	10	CLR	NC			10.00		74	56	63	54	7	20	30.05	30.15	
13	CLR	NC			5.00 HZ	89	71	77	55	14	24	29.82	29.91	13	CLR	NC			10.00		81	55	65	41	17	22	30.00	30.09	
16	FEW	NC			6.00 HZ	89	69	75	52	9	25	29.75	29.85	16	SCT	NC			10.00		79	53	64	41	17	20	29.95	30.05	
19	CLR	NC			6.00 HZ	84	69	74	61	7	23	29.75	29.85	19	CLR	NC			10.00		75	53	62	46	10	20	29.94	30.04	
22	CLR	NC			5.00 HZ	77	70	72	79	9	21	29.80	29.89	22	CLR	NC			10.00		69	54	60	59	7	20	29.96	30.06	
					SUNRISE: 0436	JUN 03			SUNSET: 1925										SUNRISE: 0435	JUN 09			SUNSET: 1929						
01	SCT	NC			9.00	72	65	68	79	8	30	29.81	29.91	01	CLR	NC			10.00		65	56	60	73	3	20	29.95	30.04	
04	CLR	NC			10.00	70	60	64	71	13	30	29.84	29.94	04	CLR	NC			10.00		65	57	60	76	7	22	29.94	30.04	
07	CLR	NC			10.00	66	52	58	61	13	33	29.95	30.04	07	CLR	NC			10.00		68	60	63	76	7	21	29.98	30.08	
10	CLR	NC			10.00	69	47	57	45	13	35	29.99	30.09	10	CLR	NC			10.00		77	63	68	62	9	23	29.99	30.09	
13	FEW	NC			10.00	72	51	60	48	12	31	29.98	30.08	13	CLR	NC			10.00		85	64	71	50	12	25	29.98	30.07	
16	CLR	NC			10.00	74	49	60	41	7	34	29.98	30.07	16	CLR	NC			10.00		87	63	71	45	14	22	29.94	30.03	
19	CLR	NC			10.00	69	50	58	51	6	30	29.99	30.09	19	CLR	NC			10.00		81	63	69	54	7	21	29.91	30.01	
22	CLR	NC			10.00	62	54	58	75	9	14	30.04	30.14	22	CLR	NC			10.00		75	63	67	66	7	20	29.95	30.04	
					SUNRISE: 0436	JUN 04			SUNSET: 1926										SUNRISE: 0434	JUN 10			SUNSET: 1929						
01	FEW	NC			10.00	61	52	56	72	3	18	30.05	30.14	01	CLR	NC			10.00		72	63	66	73	7	23	29.97	30.06	
04	CLR	NC			10.00	58	50	54	75	0	00	30.03	30.13	04	CLR	NC			7.00		67	63	64	87	0	00	29.99	30.09	
07	FEW	NC			10.00	64	51	57	63	0	00	30.05	30.15	07	CLR	NC			7.00		73	66	69	79	8	25	30.03	30.13	
10	BKN	090			10.00	70	49	58	47	10	18	30.03	30.13	10	CLR	NC			9.00		85	67	73	55	12	24	30.01	30.11	
13	CLR	NC			10.00	73	54	62	51	7	12	30.00	30.09	13	CLR	NC			8.00		90	68	75	49	12	24	29.97	30.06	
16	BKN	075			10.00	70	53	60	55	17	16	29.97	30.07	16	CLR	NC			8.00		89	66	74	47	14	24	29.93	30.02	
19	BKN	090			10.00	66	55	60	68	9	15	29.97	30.07	19	CLR	NC			7.00		85	67	73	55	9	22	29.93	30.03	
22	CLR	NC			10.00	62	54	58	75	10	14	30.00	30.09	22	CLR	NC			8.00		78	66	70	67	9	22	29.95	30.04	
					SUNRISE: 0435	JUN 05			SUNSET: 1926										SUNRISE: 0434	JUN 11			SUNSET: 1930						
01	SCT	NC			10.00	60	54	57	80	5	08	29.97	30.07	01	CLR	NC			7.00		75	68	70	79	6	22	29.95	30.04	
04	BKN	080			10.00	59	54	56	83	10	07	29.97	30.07	04	CLR	NC			5.00 BR		73	69	70	87	3	25	29.96	30.05	
07	CLR	NC			10.00	61	54	57	78	12	06	30.00	30.10	07	CLR	NC			4.00 HZ		76	70	72	82	7	20	29.99	30.09	
10	CLR	NC			10.00	65	47	55	52	13	08	29.99	30.09	10	CLR	NC			6.00 HZ		86	69	74	57	13	22	29.98	30.07	
13	CLR	NC			10.00	68	47	57	47	13	09	29.98	30.08	13	CLR	NC			6.00 HZ		91	71	77	52	10	24	29.94	30.04	
16	BKN	070			10.00	66	51	58	59	15	07	29.95	30.04	16	CLR	NC			7.00		92	67	75	44	13	24	29.90	30.00	
19	FEW	NC			10.00	63	51	56	65	15	07	29.92	30.02	19	CLR	NC			6.00 HZ		87	69	75	55	10	21	29.91	30.01	
22	OVC	020			10.00	60	53	56	78	12	07	29.89	29.99	22	CLR	NC			7.00		81	69	73	67	7	22	29.96	30.05	
					SUNRISE: 0435	JUN 06			SUNSET: 1927										SUNRISE: 0434	JUN 12			SUNSET: 1930						
01	OVC	014			10.00	60	55	57	84	12	06	29.84	29.93	01	FEW	NC			10.00		77	66	70	69	7	11	29.97	30.06	
04	OVC	006			10.00	58	56	57	93	13	06	29.76	29.86	04	CLR	NC			10.00		71	66	68	84	3	31	29.95	30.05	
07	OVC	008			2.00 -RA BR	57	57	57	100	9	36	29.76	29.85	07	CLR	NC			9.00		76	68	71	77	0	00	29.97	30.07	
10	BKN	011			10.00	58	55	56	90	10	36	29.73	29.82	10	CLR	NC			8.00		83	69	74	63	9	28	29.98	30.07	
13																													

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

JUNE 2000

ILG

WBAN # 13781

HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE ° F				RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE ° F				RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
			SUNRISE: 0434				JUN 13				SUNSET: 1931							SUNRISE: 0435				JUN 19				SUNSET: 1933			
01	OVC	009			10.00	60	52	56	75	12	04	30.03	30.13	01	CLR	NC			9.00	71	70	70	96	0	00	29.94	30.04		
04	OVC	007			7.00	59	31	46	35	10	05	30.03	30.13	04	OVC	100			5.00	BR	69	67	68	93	7	32	29.96	30.06	
07	OVC	009			10.00	59	28	45	31	8	07	30.08	30.18	07	OVC	060			10.00	65	61	63	87	10	36	30.03	30.12		
10	OVC	006			6.00	59	28	45	31	7	09	30.08	30.18	10	CLR	NC			10.00	68	59	63	73	7	33	30.06	30.16		
13	OVC	012			10.00	63	29	48	28	8	13	30.07	30.16	13	BKN	024			10.00	73	61	66	66	8	36	30.06	30.16		
16	OVC	012			10.00	64	29	48	27	7	12	30.03	30.13	16	BKN	030			10.00	72	59	64	64	9	35	30.06	30.16		
19	OVC	012			10.00	64	29	48	27	12	09	30.03	30.13	19	CLR	NC			10.00	69	59	63	70	8	34	30.06	30.16		
22	OVC	008			5.00	59	28	45	31	8	10	30.06	30.16	22	CLR	NC			10.00	60	57	58	90	5	30	30.09	30.19		
			SUNRISE: 0434				JUN 14				SUNSET: 1931							SUNRISE: 0435				JUN 20				SUNSET: 1933			
01	OVC	006			5.00	59	58	58	96	7	09	30.05	30.14	01	CLR	NC			9.00	57	56	56	96	5	29	30.07	30.17		
04	OVC	004			3.00	60	59	59	96	8	09	30.03	30.13	04	CLR	NC			6.00	BR	57	55	56	93	7	30	30.08	30.17	
07	OVC	005			7.00	60	59	59	96	13	05	30.07	30.16	07	CLR	NC			6.00	HZ	65	58	61	78	6	31	30.09	30.19	
10	OVC	005			10.00	63	61	62	93	9	07	30.08	30.17	10	CLR	NC			10.00	77	58	65	52	3	VR	30.08	30.18		
13	OVC	007			10.00	64	61	62	90	9	07	30.07	30.17	13	CLR	NC			10.00	81	57	66	44	6	17	30.05	30.14		
16	OVC	007			7.00	64	61	62	90	9	08	30.03	30.12	16	FEW	NC			10.00	81	58	67	46	12	15	30.01	30.11		
19	OVC	009			4.00	63	61	62	93	9	08	30.03	30.12	19	CLR	NC			10.00	78	58	66	50	10	23	30.01	30.10		
22	OVC	006			5.00	62	60	61	93	8	09	30.04	30.13	22	CLR	NC			10.00	72	60	65	66	9	21	30.03	30.13		
			SUNRISE: 0434				JUN 15				SUNSET: 1932							SUNRISE: 0435				JUN 21				SUNSET: 1933			
01	OVC	004			2.00	61	61	61	100	9	05	29.98	30.08	01	CLR	NC			10.00	67	59	62	76	6	18	29.99	30.09		
04	OVC	002			3.00	61	61	61	100	8	06	29.94	30.04	04	CLR	NC			10.00	63	59	61	87	7	20	29.98	30.07		
07	OVC	002			1.50	63	62	62	97	0	00	29.94	30.03	07	CLR	NC			10.00	70	62	65	76	9	20	29.97	30.06		
10	OVC	002			2.00	66	65	65	96	5	10	29.92	30.01	10	OVC	040			10.00	78	65	70	64	14	16	29.93	30.03		
13	OVC	010			4.00	73	69	70	87	9	14	29.85	29.95	13	OVC	029			9.00	79	68	72	69	13	18	29.86	29.96		
16	FEW	NC			7.00	81	73	75	77	7	17	29.79	29.89	16	OVC	034			8.00	81	68	72	65	14	18	29.78	29.88		
19	CLR	NC			6.00	79	73	75	82	5	19	29.79	29.89	19	OVC	043			7.00	80	71	74	74	13	18	29.72	29.81		
22	OVC	041			7.00	71	68	69	90	12	22	29.82	29.92	22	OVC	017			2.50	RA BR	71	69	70	94	13	26	29.78	29.88	
			SUNRISE: 0434				JUN 16				SUNSET: 1932							SUNRISE: 0435				JUN 22				SUNSET: 1934			
01	OVC	110			10.00	70	67	68	90	13	22	29.88	29.98	01	SCT	NC			10.00	69	67	68	93	5	22	29.76	29.86		
04	CLR	NC			10.00	69	68	68	96	0	00	29.83	29.93	04	BKN	003			8.00	69	69	69	100	6	21	29.72	29.82		
07	BKN	022			10.00	72	69	70	91	9	21	29.88	29.97	07	OVC	006			8.00	71	69	70	94	7	19	29.74	29.83		
10	BKN	019			10.00	77	70	72	79	14	22	29.90	30.00	10	CLR	NC			10.00	74	71	72	91	8	23	29.74	29.84		
13	FEW	NC			10.00	84	73	76	70	12	21	29.88	29.97	13	CLR	NC			10.00	83	65	71	55	14	24	29.71	29.80		
16	FEW	NC			10.00	85	73	77	68	16	21	29.83	29.93	16	FEW	NC			10.00	84	65	71	53	14	22	29.67	29.77		
19	CLR	NC			9.00	82	71	75	69	9	20	29.84	29.93	19	CLR	NC			10.00	80	64	70	58	8	22	29.69	29.79		
22	CLR	NC			10.00	79	70	73	74	9	20	29.87	29.96	22	CLR	NC			10.00	74	64	68	71	8	23	29.74	29.83		
			SUNRISE: 0434				JUN 17				SUNSET: 1932							SUNRISE: 0436				JUN 23				SUNSET: 1934			
01	CLR	NC			9.00	77	72	74	85	8	20	29.86	29.96	01	CLR	NC			10.00	70	62	65	76	6	22	29.74	29.83		
04	CLR	NC			8.00	75	72	73	90	5	20	29.86	29.95	04	CLR	NC			10.00	67	61	63	81	5	25	29.77	29.86		
07	CLR	NC			9.00	78	72	74	82	9	22	29.90	29.99	07	CLR	NC			10.00	73	61	66	66	9	29	29.84	29.93		
10	CLR	NC			10.00	84	72	76	67	10	25	29.92	30.01	10	CLR	NC			10.00	80	59	67	49	14	31	29.86	29.95		
13	BKN	100			10.00	87	70	75	57	12	25	29.91	30.01	13	CLR	NC			10.00	82	59	68	46	16	31	29.86	29.96		
16	SCT	NC			10.00	89	71	77	55	15	25	29.90	29.99	16	CLR	NC			10.00	83	57	67	41	9	29	29.88	29.98		
19	SCT	NC			10.00	79	74	75	85	5	17	29.94	30.03	19	CLR	NC			10.00	78	58	66	50	7	29	29.90	29.99		
22	OVC	100			8.00	76	74	75	94	5	03	30.00	30.10	22	CLR	NC			10.00	72	61	65	69	3	30	29.94	30.03		
			SUNRISE: 0435				JUN 18				SUNSET: 1933							SUNRISE: 0436				JUN 24				SUNSET: 1934			
01	OVC	035			10.00	75	69	71	82	7	09	30.00	30.09	01	CLR	NC			10.00	70	62	65	76	3	09	29.96	30.05		
04	OVC	019			10.00	73	66	69	79	7	07	29.98	30.07	04	CLR	NC			10.00	64	62	63	93	0	00	29.98	30.07		
07	OVC	007			9.00	73	69	70	87	0	00	29.98	30.08	07	BKN	080			10.00	72	65	68	79	0	00	30.02	30.11		
10	BKN	014			9.00	78	73	75	85	9	14	29.96	30.06	10	FEW	NC			10.00	81	67	72	62	7	VR	30.04	30.13		
13	BKN	038			9.00	83	72	75	70	13	23	29.93	30.03	13	FEW	NC			10.00	84	63	70	49	10	14	30.01	30.11		
16	BKN	060			10.00	85	71	75	63	14	23	29.88	29.97	16	CLR	NC			10.00	83	65	71	55	16	16	30.00	30.09		
19	FEW	NC			9.00	74	72	73	94	3	10	29.90	30.00	19	FEW	NC			10.00	79	64	69							

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

JUNE 2000

ILG

WBAN # 13781

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE ° F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)		
				OBSERVATION TIME (LST)	EFF CLD AMT Okta		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
01	CLR	NC			8.00	BR	JUN 25	73	69	70	87	7	16	29.97	30.07
04	CLR	NC			6.00		JUN 25	72	70	71	94	3	17	29.94	30.03
07	FEW	NC			7.00		JUN 25	76	72	73	88	12	18	29.95	30.05
10	CLR	NC			10.00		JUN 25	84	70	74	63	14	20	29.92	30.01
13	SCT	NC			10.00		JUN 25	87	73	77	63	16	14	29.88	29.98
16	CLR	NC			10.00		86	72	76	63	17	15	29.84	29.93	
19	CLR	NC			10.00		83	67	72	59	7	19	29.86	29.96	
22	FEW	NC			10.00		79	70	73	74	6	20	29.89	29.99	
SUNRISE: 0436 JUN 25 SUNSET: 1934															
01	BKN	050			10.00	BR	JUN 26	72	69	70	91	3	18	29.87	29.97
04	CLR	NC			5.00		JUN 26	72	71	71	97	0	00	29.87	29.96
07	CLR	NC			5.00		JUN 26	74	72	73	94	5	19	29.89	29.99
10	SCT	NC			7.00		JUN 26	82	73	76	74	9	25	29.89	29.98
13	FEW	NC			7.00		JUN 26	86	72	76	63	8	24	29.86	29.96
16	CLR	NC			8.00		87	71	76	59	10	22	29.82	29.91	
19	CLR	NC			8.00		82	60	68	47	9	25	29.81	29.91	
22	CLR	NC			9.00	TS	78	49	61	36	16	20	29.84	29.93	
SUNRISE: 0437 JUN 26 SUNSET: 1934															
01	CLR	NC			8.00		JUN 27	75	53	62	46	10	22	29.82	29.91
04	CLR	NC			9.00		JUN 27	73	52	61	48	8	20	29.82	29.91
07	CLR	NC			8.00		JUN 27	77	56	64	48	10	22	29.85	29.95
10	FEW	NC			10.00		JUN 27	85	54	66	35	12	24	29.86	29.96
13	CLR	NC			10.00		JUN 27	86	69	74	57	14	26	29.86	29.95
16	SCT	NC			10.00		83	69	74	63	12	28	29.84	29.94	
19	CLR	NC			10.00		76	66	70	72	7	28	29.88	29.97	
22	OVC	055			10.00		75	67	70	76	6	27	29.92	30.01	
SUNRISE: 0437 JUN 27 SUNSET: 1934															
01	OVC	050			10.00	-RA BR	JUN 28	72	69	70	91	5	28	29.91	30.01
04	OVC	070			5.00		JUN 28	71	69	70	94	6	31	29.90	30.00
07	BKN	070			4.00		JUN 28	71	69	70	94	5	31	29.92	30.02
10	BKN	016			6.00		JUN 28	76	69	71	79	6	VR	29.92	30.01
13	CLR	NC			9.00		JUN 28	76	70	72	82	12	14	29.88	29.98
16	BKN	015			6.00	-RA BR	73	69	70	87	9	12	29.84	29.94	
19	OVC	035			3.00	RA BR	67	66	66	97	9	03	29.84	29.94	
22	BKN	041			7.00		67	65	66	93	5	09	29.82	29.91	
SUNRISE: 0438 JUN 28 SUNSET: 1934															
01	OVC	049			5.00	BR	JUN 29	66	65	65	96	5	34	29.79	29.88
04	OVC	050			4.00	BR	JUN 29	66	65	65	96	0	00	29.76	29.86
07	BKN	050			4.00	-RA BR	JUN 29	66	64	65	93	3	02	29.77	29.87
10	OVC	020			10.00		JUN 29	68	64	66	87	5	09	29.78	29.88
13	OVC	023			10.00		JUN 29	72	65	68	79	6	06	29.73	29.83
16	CLR	NC			10.00		JUN 29	73	64	67	74	3	VR	29.69	29.79
19	OVC	060			7.00	-RA	JUN 29	68	66	67	93	6	18	29.71	29.80
22	CLR	NC			5.00	BR	JUN 29	64	64	64	100	8	32	29.74	29.83
SUNRISE: 0438 JUN 29 SUNSET: 1934															
01	CLR	NC			8.00		JUN 30	61	59	60	93	0	00	29.75	29.85
04	CLR	NC			8.00		JUN 30	59	58	58	96	7	28	29.77	29.87
07	CLR	NC			8.00		JUN 30	65	58	61	78	9	30	29.83	29.93
10	CLR	NC			10.00		JUN 30	73	56	63	55	10	32	29.85	29.95
13	SCT	NC			10.00		JUN 30	77	56	64	48	12	29	29.85	29.95
16	BKN	070			10.00		JUN 30	76	54	63	47	7	VR	29.85	29.95
19	CLR	NC			10.00		JUN 30	73	56	63	55	6	28	29.87	29.97
22	CLR	NC			10.00		JUN 30	69	57	62	66	3	26	29.91	30.00

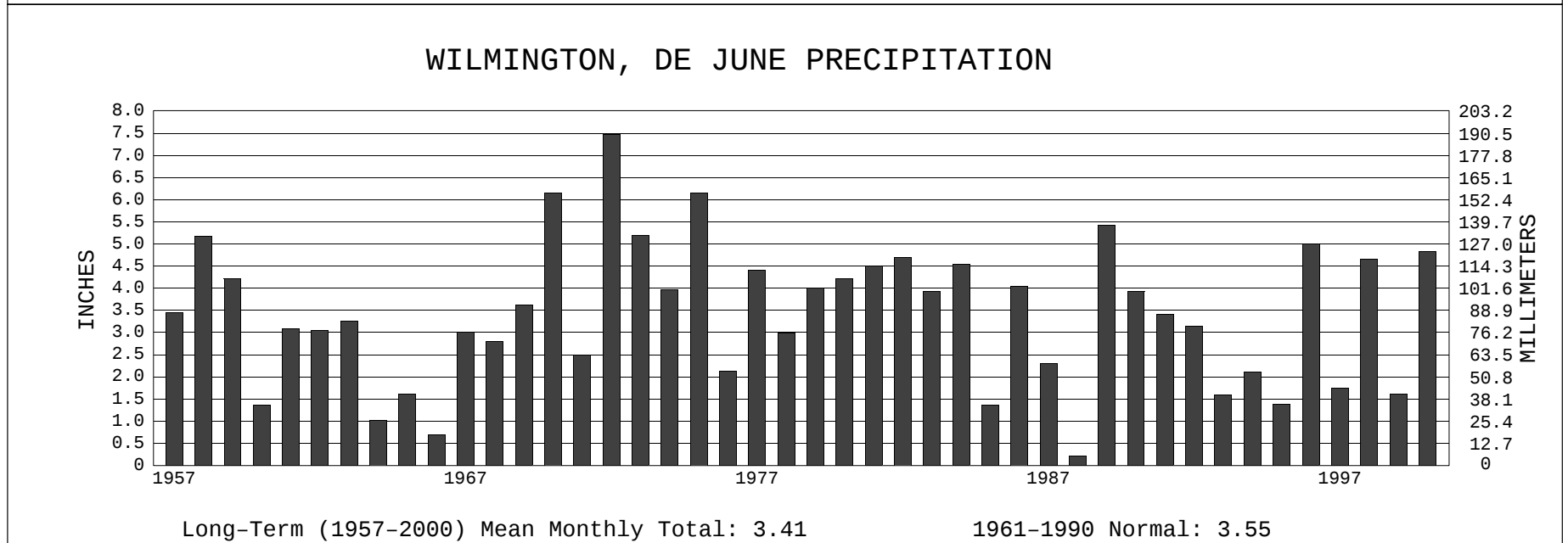
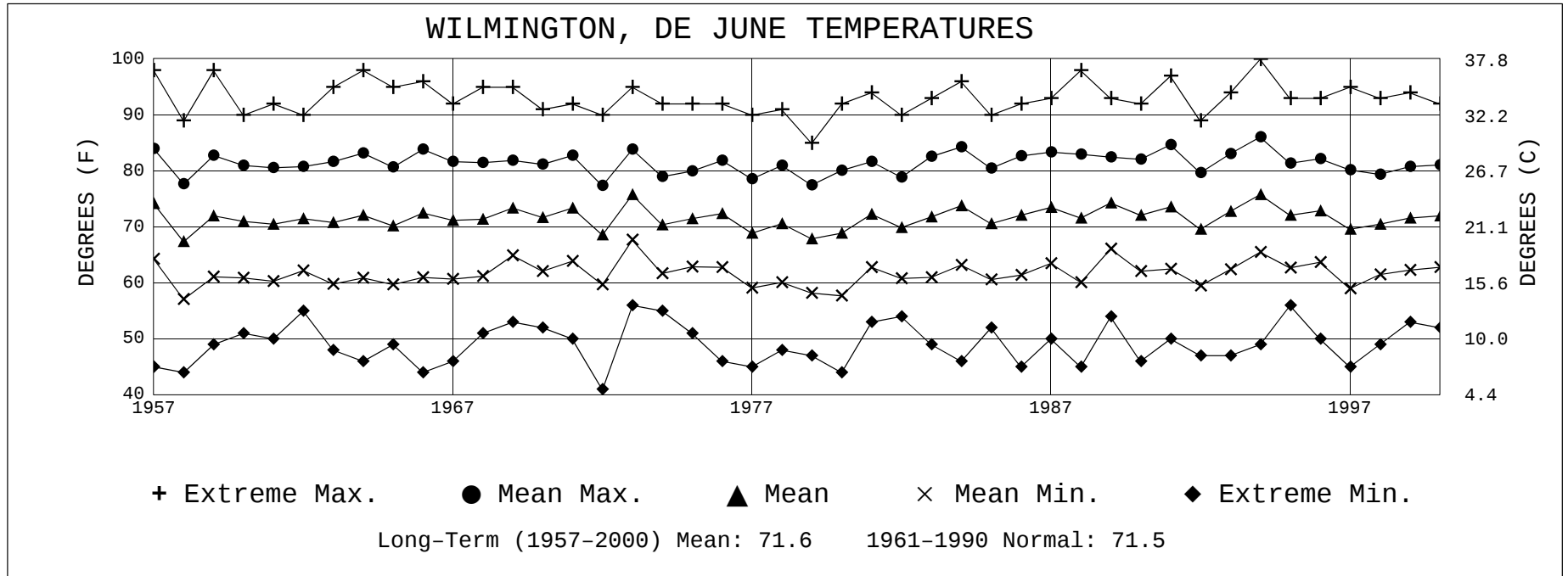
HOUR (LST)	SKY COVER		CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Okta	VISIBILITY (MILES)	WEATHER	TEMPERATURE ° F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)	
								DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: JUN 31 SUNSET:															

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, 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.

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			67	61	64	83	29.92	30.02	8.77	6	1	21
02			66	61	63	84	29.92	30.02	8.83	5	0	0
03			66	60	63	84	29.91	30.01	8.43	5	1	30
04			65	60	62	86	29.92	30.01	7.63	5	1	30
05			65	60	62	86	29.93	30.03	7.22	6	1	28
06			66	61	63	85	29.94	30.04	7.03	6	1	28
07			68	61	64	80	29.95	30.04	7.60	7	2	27
08			71	61	65	74	29.95	30.05	8.00	8	2	25
09			73	61	66	69	29.95	30.05	8.73	9	3	26
10			75	61	67	65	29.95	30.04	8.90	9	3	24
11			76	62	67	63	29.94	30.04	9.07	9	2	24
12			78	62	68	59	29.93	30.03	9.13	10	4	22
13			79	63	69	59	29.92	30.02	9.07	11	4	24
14			79	63	69	58	29.91	30.00	9.13	11	5	22
15			80	62	69	57	29.90	29.99	9.17	12	5	21
16			79	62	68	57	29.89	29.98	9.03	11	5	21
17			78	62	68	59	29.88	29.98	9.00	12	5	22
18			77	61	67	60	29.89	29.98	8.85	9	4	21
19			75	62	67	67	29.89	29.99	8.15	9	3	20
20			73	61	66	69	29.90	30.00	8.70	8	3	18
21			71	62	66	73	29.91	30.01	8.90	7	3	17
22			70	61	65	76	29.93	30.02	8.48	8	3	21
23			69	62	65	81	29.93	30.02	8.63	7	2	22
24			68	62	64	84	29.92	30.02	8.78	7	2	21





**JUNE 2000
WILMINGTON, DE**

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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