



JUNE 1998

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): 74 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	79	59	69	1	53	60	0	4	TSRA RA BR SQ				0.44	29.60	29.68	7.1	31	8.9	52*	27	41*	27	01										
02	79	51	65	-3	57	62	0	0	TS TSRA RA				0.41	29.59	29.67	9.4	16	10.8	25	14	22	14	02										
03	72	54	63	-5	48	56	2	0	RA				0.01	29.60	29.69	12.9	29	13.5	32	28	28	29	03										
04	71	49	60	-9	48	55	5	0	HZ				0.00	29.70	29.78	8.0	28	8.6	22	27	17	27	04										
05	71	51	61	-8	45	53	4	0	RA				T	29.69	29.78	8.3	30	8.8	23	29	17	30	05										
06	71	49*	60	-9	42	51	5	0					0.00	29.79	29.87	11.1	30	11.4	29	29	22	29	06										
07	68	50	59*	-11	42	51	6	0	RA				T	29.90	29.99	10.9	28	11.5	32	24	26	26	07										
08	72	50	61	-9	43	52	4	0					0.00	30.00	30.09	10.3	30	11.2	30	31	24	31	08										
09	76	54	65	-5	47	56	0	0					0.00	30.08	30.17	4.4	25	6.3	15	14	11	23	09										
10	70	58	64	-6	55	58	1	0	BR				0.00	30.04	30.13	6.0	14	6.7	23	14	20	15	10										
11	69	61	65	-5	60	62	0	0	RA BR				0.28	30.01	30.10	6.6	12	7.4	16	12	15	12	11										
12	69	63	66	-5	66	66	0	1	TSRA RA DZ FG+ BR				1.90	29.81	29.90	7.7	13	8.3	17	16	15	16	12										
13	80	63	72	1	65	66	0	7	RA FG+ BR HZ				0.65	29.52	29.61	0.8	31	6.3	33	30	30	30	13										
14	79	62	71	0	62	65	0	6	RA BR				0.01	29.45	29.53	8.2	29	8.6	22	29	18	28	14										
15	78	61	70	-2	67	68	0	5	RA BR HZ				0.07	29.45	29.53	3.7	14	4.6	15	15	13	15	15										
16	85	66	76	4	67	69	0	11	TS RA BR				0.03	29.59	29.67	7.9	23	9.0	20	23	17	23	16										
17	83	65	74	2	65	68	0	9	BR				0.00	29.77	29.85	7.8	26	8.7	20	27	16	27	17										
18	85	65	75	3	64	68	0	10	BR				0.00	29.82	29.90	8.5	29	9.1	28	31	23	31	18										
19	84	63	74	2	66	69	0	9	BR				0.00	29.76	29.84	6.5	25	7.2	24	25	20	24	19										
20	89	69	79	6	70	73	0	14	RA HZ				T	29.74	29.82	5.7	29	6.5	16	29	14	29	20										
21	89	68	79	6	70	73	0	14	BR HZ				0.00	29.90	29.98	4.0	10	7.3	24	15	20	15	21										
22	78	69	74	1	70	71	0	9	RA DZ BR HZ				T	30.02	30.10	6.6	10	7.1	13	12	11	08	22										
23	81	70	76	3	71	72	0	11	RA BR HZ				0.04	29.96	30.04	5.9	13	7.0	16	15	15	16	23										
24	84	70	77	3	72	73	0	12	RA FG+ BR HZ				T	29.96	30.04	3.6	13	5.5	13	04	10	16	24										
25	91	68	80	6	71	74	0	15	FG+ BR HZ				0.01	29.95	30.03	5.4	22	5.7	16	22	13	23	25										
26	93*	70	82*	8	73	75	0	17	TS TSRA BR HZ				0.65	29.75	29.83	6.6	23	8.1	33	30	29	30	26										
27	88	72	80	6	68	72	0	15	BR HZ				0.00	29.68	29.76	8.5	30	11.4	32	27	26	28	27										
28	77	65	71	-3	61	65	0	6					0.00	29.94	30.02	7.9	13	10.6	24	08	20	09	28										
29	82	65	74	-1	67	69	0	9	RA BR				0.03	29.83	29.91	8.6	20	9.2	18	15	15	26	29										
30	88	64	76	1			0	11	RA HZ				0.13	29.49	29.57	7.9	24	9.9	41	30	34	31	30										
79.4										61.5	70.5	■ ■			0.9	6.5	< MONTHLY AVERAGES		TOTALS-->				4.66	29.78	29.86	0.7	18	8.5	<-- MONTHLY AVERAGES				
-2.0										- .1	-1.0	■ ■	<----- DEPARTURE FROM NORMAL ----->										1.11	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 1.90			DATE :12			SEA LEVEL PRESSURE										DATE		TIME						
MONTHLY									GREATEST 24-HR SNOWFALL:			DATE :			MAXIMUM										:		09 0651						
SEASON TO DATE									GREATEST SNOW DEPTH:			DATE :			MINIMUM										:		30 1716						
TOTAL DEPARTURE									NUMBER OF DAYS WITH →			MAXIMUM TEMP ≥ 90: 2			MINIMUM TEMP ≤ 32: 0			PRECIPITATION ≥ 0.01 INCH : 14															
HEATING: 27 27 4396 -541									MAXIMUM TEMP ≤ 32 : 0			MINIMUM TEMP ≤ 0 : 0			PRECIPITATION ≥ 0.10 INCH : 7																		
COOLING: 195 -4 323 80									THUNDERSTORMS : 5			HEAVY FOG : 4			SNOWFALL ≥ 1.0 INCH :																		

JUNE 1998
WILMINGTON, DE

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

JUNE 1998

ILG

WBAN # 13781

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note 2)	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 02 03 04 05	0.39	0.03	0.02	T									01 02 03 04 05							T	T	T	0.01	0.41				01 02 03 04 05			0.44 0.41 0.01 0.00 T
06 07 08 09 10													06 07 08 09 10				T		T	T								06 07 08 09 10			0.00 T 0.00 0.00 0.00
11 12 13 14 15													11 12 13 14 15															11 12 13 14 15			0.28 1.90 0.65 0.01 0.07
16 17 18 19 20													16 17 18 19 20															16 17 18 19 20			0.03 0.00 0.00 0.00 T
21 22 23 24 25													21 22 23 24 25															21 22 23 24 25			0.00 T 0.04 T 0.01
26 27 28 29 30													26 27 28 29 30				0.56	0.09										26 27 28 29 30			0.65 0.00 0.00 0.03 0.13

MAXIMUM SHORT DURATION PRECIPITATION (See Note 1)

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 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.

* = 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

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

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).

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.

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 AND CORRECTIONS:
Sunrise and sunset times listed in the March and April 1998 LCD were incorrect and should not be used.

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
4	12	10

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

JUNE 1998

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: 0437 JUN 01						SUNSET: 1923						SUNRISE: 0435 JUN 07						SUNSET: 1927											
01	OVC	060			10.00	-TSRA	67	62	64	84	10	33	29.51	29.59	01	OVC	090			10.00	58	40	49	51	12	31	29.85	29.93	
04	CLR	NC			10.00		65	63	64	93	3	VR	29.49	29.57	04	OVC	090			10.00	55	41	48	59	5	31	29.86	29.94	
07	BKN	070			10.00		68	65	66	90	7	26	29.55	29.63	07	OVC	110			10.00	58	41	50	54	10	28	29.90	29.99	
10	CLR	NC			10.00		73	51	60	46	15	31	29.58	29.67	10	FEW	NC			10.00	66	41	53	40	16	28	29.90	29.98	
13	CLR	NC			10.00		74	43	57	33	18	30	29.59	29.68	13	OVC	070			10.00	64	41	52	43	13	30	29.88	29.97	
16	CLR	NC			10.00		75	42	57	31	16	30	29.60	29.68	16	FEW	NC			10.00	63	45	54	52	20	27	29.89	29.98	
19	CLR	NC			10.00		70	46	57	42	6	36	29.65	29.74	19	FEW	NC			10.00	59	48	53	67	10	26	29.92	30.00	
22	CLR	NC			10.00		64	49	56	58	0	00	29.70	29.79	22	CLR	NC			10.00	55	43	49	64	8	30	29.97	30.06	
SUNRISE: 0437 JUN 02						SUNSET: 1924						SUNRISE: 0435 JUN 08						SUNSET: 1928											
01	CLR	NC			10.00		57	53	55	87	3	31	29.71	29.79	01	CLR	NC			10.00	51	45	48	80	7	25	29.95	30.04	
04	CLR	NC			10.00		53	52	52	96	0	00	29.69	29.78	04	CLR	NC			10.00	52	44	48	75	8	27	29.95	30.04	
07	FEW	NC			8.00		62	58	60	86	6	14	29.72	29.81	07	OVC	065			10.00	55	44	50	67	9	27	29.98	30.07	
10	SCT	NC			10.00		72	54	61	53	16	17	29.66	29.75	10	CLR	NC			10.00	65	44	54	47	20	32	29.98	30.07	
13	BKN	049			10.00		77	59	66	54	13	17	29.59	29.68	13	BKN	060			10.00	67	40	53	37	18	32	29.99	30.08	
16	OVC	055			10.00		74	60	65	62	15	15	29.52	29.60	16	FEW	NC			10.00	72	41	56	33	17	29	29.99	30.08	
19	CLR	NC			10.00		73	61	66	66	15	16	29.45	29.54	19	CLR	NC			10.00	66	42	54	42	10	32	30.04	30.13	
22	CLR	NC			10.00		69	62	65	78	9	18	29.45	29.54	22	SCT	NC			10.00	61	43	52	52	0	00	30.07	30.15	
SUNRISE: 0436 JUN 03						SUNSET: 1925						SUNRISE: 0435 JUN 09						SUNSET: 1928											
01	CLR	NC			7.00		66	64	65	93	6	30	29.44	29.53	01	OVC	085			10.00	59	46	52	62	7	25	30.08	30.16	
04	CLR	NC			10.00		65	51	57	61	14	29	29.51	29.59	04	OVC	085			10.00	56	45	50	67	8	30	30.09	30.17	
07	CLR	NC			10.00		65	52	58	63	12	29	29.59	29.68	07	CLR	NC			10.00	62	46	54	56	7	30	30.12	30.21	
10	CLR	NC			10.00		67	44	55	44	16	29	29.61	29.69	10	CLR	NC			10.00	71	45	57	39	3	VR	30.11	30.19	
13	CLR	NC			10.00		71	40	55	32	17	27	29.60	29.69	13	CLR	NC			10.00	73	45	58	37	5	VR	30.08	30.16	
16	CLR	NC			10.00		68	43	55	41	17	30	29.63	29.72	16	CLR	NC			10.00	72	46	58	40	8	23	30.05	30.14	
19	FEW	NC			10.00	-RA	63	47	54	56	7	25	29.67	29.76	19	CLR	NC			10.00	68	47	57	47	5	20	30.04	30.13	
22	SCT	NC			10.00		58	49	53	72	10	27	29.68	29.77	22	CLR	NC			10.00	62	53	57	73	8	22	30.06	30.15	
SUNRISE: 0436 JUN 04						SUNSET: 1925						SUNRISE: 0434 JUN 10						SUNSET: 1929											
01	CLR	NC			10.00		54	48	51	80	7	26	29.69	29.78	01	CLR	NC			10.00	59	54	56	83	0	00	30.07	30.15	
04	CLR	NC			9.00		52	48	50	86	8	32	29.72	29.80	04	OVC	095			6.00	58	55	56	90	3	20	30.04	30.13	
07	CLR	NC			9.00		58	48	53	70	7	30	29.76	29.85	07	OVC	012			4.00	60	56	58	86	0	00	30.06	30.15	
10	FEW	NC			10.00		64	46	54	52	12	29	29.74	29.82	10	OVC	060			10.00	62	55	58	78	7	12	30.08	30.16	
13	FEW	NC			10.00		69	48	57	47	14	28	29.70	29.78	13	OVC	048			10.00	66	55	60	68	8	17	30.04	30.13	
16	CLR	NC			10.00		71	49	59	46	14	27	29.65	29.74	16	OVC	040			10.00	66	56	60	70	15	16	30.01	30.09	
19	CLR	NC			10.00		69	48	57	47	6	23	29.64	29.73	19	OVC	070			10.00	63	53	57	70	10	13	30.00	30.09	
22	CLR	NC			10.00		62	50	55	65	6	31	29.67	29.76	22	OVC	023			10.00	62	55	58	78	10	12	30.02	30.11	
SUNRISE: 0435 JUN 05						SUNSET: 1926						SUNRISE: 0434 JUN 11						SUNSET: 1930											
01	CLR	NC			10.00		56	50	53	81	6	34	29.67	29.76	01	OVC	024			10.00	61	55	58	81	6	10	30.01	30.10	
04	CLR	NC			10.00		55	41	48	59	5	34	29.69	29.78	04	OVC	018			10.00	61	56	58	84	6	08	30.01	30.10	
07	CLR	NC			10.00		59	41	50	51	7	32	29.72	29.81	07	OVC	016			10.00	62	57	59	84	7	10	30.03	30.11	
10	CLR	NC			10.00		65	42	53	44	9	28	29.72	29.81	10	OVC	016			10.00	66	59	62	78	7	07	30.05	30.14	
13	CLR	NC			10.00		68	42	54	39	12	27	29.66	29.74	13	OVC	020			10.00	68	61	64	78	8	16	30.05	30.14	
16	OVC	090			10.00		66	44	54	45	12	28	29.65	29.74	16	OVC	028			10.00	69	62	65	78	7	16	30.01	30.09	
19	OVC	080			10.00	-RA	62	50	55	65	9	27	29.68	29.77	19	CLR	NC			10.00	69	62	65	78	5	12	29.98	30.06	
22	OVC	070			10.00		59	51	55	75	9	31	29.71	29.80	22	CLR	038			6.00	64	63	63	96	8	13	29.99	30.08	
SUNRISE: 0435 JUN 06						SUNSET: 1927						SUNRISE: 0434 JUN 12						SUNSET: 1930											
01	FEW	NC			9.00		52	49	50	89	7	32	29.70	29.79	01	OVC	005			3.00	64	63	63	96	7	12	29.94	30.03	
04	OVC	085			10.00		51	46	49	83	8	29	29.73	29.82	04	OVC	005			5.00	64	64	64	100	8	12	29.90	29.98	
07	FEW	NC			10.00		57	44	50	62	9	28	29.80	29.88	07	OVC	003			7.00	66	65	65	96	9	13	29.87	29.96	
10	CLR	NC			10.00		63	43	53	48	12	30	29.80	29.89	10	OVC	005			4.00	67	66	66	97	6	11	29.85	29.93	
13	CLR	NC			10.00		68	39	53	35	21	30	29.77	29.85	13	OVC	005			2.50	68	67	67	96	10	14	29.80	29.89	
16	CLR	NC			10.00		70	39	54	32	17	31	29.77	29.85	16	OVC	003			2.50	69	68	68	96	9	16	29.76	29.84	
19	CLR	NC			10.00		64	40	52	41	10	30	29.80	29.89	19	OVC	001			0.50	67	67	67	100	9	13	29.73	29.82	
22	SCT	NC			10.00		58	41	50	54	5	27	29.86	29.95	22	OVC	001												

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

JUNE 1998

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: 0434	JUN 13			SUNSET: 1930										SUNRISE: 0435	JUN 19									
01	BKN	043			5.00 -RA BR	67	66	66	97	5	17	29.68	29.77	01	CLR	NC				10.00	68	64	66	87	5	25	29.80	29.89	
04	OVC	001			3.00 BR	67	66	66	97	8	05	29.62	29.70	04	CLR	NC				10.00	67	63	64	87	0	00	29.79	29.88	
07	VV	001			<.25 FG	66	66	66	100	6	07	29.57	29.66	07	CLR	NC				10.00	73	65	68	76	0	00	29.81	29.89	
10	OVC	003			2.00 BR	68	67	67	96	7	15	29.54	29.63	10	CLR	NC				10.00	82	65	71	56	10	23	29.79	29.88	
13	OVC	009			2.50 HZ	74	69	71	85	9	25	29.50	29.59	13	CLR	NC				10.00	82	66	71	58	12	26	29.74	29.83	
16	SCT	NC			10.00	77	64	69	64	5	14	29.44	29.53	16	SCT	NC				10.00	77	68	71	74	14	25	29.71	29.80	
19	OVC	032			3.00 RA BR	64	62	63	93	8	33	29.46	29.54	19	CLR	NC				10.00	75	69	71	82	9	27	29.70	29.79	
22	OVC	038			5.00 RA BR	63	62	62	97	0	00	29.46	29.55	22	FEW	NC				6.00 BR	73	70	71	90	5	23	29.72	29.80	
					SUNRISE: 0434	JUN 14			SUNSET: 1931										SUNRISE: 0435	JUN 20									
01	OVC	100			5.00 -RA BR	63	63	63	100	6	26	29.42	29.50	01	CLR	NC				7.00	71	69	70	94	3	26	29.70	29.79	
04	SCT	NC			6.00 BR	63	61	62	93	9	28	29.40	29.49	04	CLR	NC				9.00	70	68	69	93	7	26	29.70	29.78	
07	CLR	NC			10.00	66	61	63	84	10	27	29.41	29.49	07	CLR	NC				6.00 HZ	74	69	71	85	7	32	29.72	29.81	
10	BKN	075			10.00	71	62	65	73	17	30	29.43	29.52	10	FEW	NC				8.00	83	71	75	67	6	33	29.74	29.82	
13	OVC	032			8.00	73	62	66	69	13	29	29.45	29.53	13	SCT	NC				8.00	86	70	75	59	10	31	29.72	29.81	
16	SCT	NC			10.00	78	63	68	60	9	25	29.45	29.54	16	FEW	NC				10.00	88	70	76	55	8	32	29.72	29.80	
19	CLR	NC			10.00	74	62	66	67	6	28	29.47	29.56	19	FEW	NC				7.00	80	71	74	74	7	28	29.74	29.83	
22	CLR	NC			10.00	69	62	65	78	3	23	29.51	29.59	22	BKN	100				7.00	76	70	72	82	6	29	29.78	29.87	
					SUNRISE: 0434	JUN 15			SUNSET: 1931										SUNRISE: 0435	JUN 21									
01	CLR	NC			5.00 BR	64	63	63	96	0	00	29.49	29.58	01	CLR	NC				5.00 BR	71	69	70	94	6	28	29.81	29.90	
04	CLR	NC			3.00 BR	63	63	63	100	0	00	29.46	29.55	04	CLR	NC				5.00 BR	71	68	69	90	3	31	29.82	29.91	
07	SCT	NC			4.00 BR	67	65	66	93	6	12	29.47	29.56	07	CLR	NC				5.00 HZ	75	69	71	82	6	02	29.87	29.96	
10	SCT	NC			4.00 BR	68	66	67	93	6	11	29.45	29.54	10	CLR	NC				5.00 HZ	83	70	74	65	7	VR	29.90	29.98	
13	BKN	032			7.00	74	68	70	82	12	16	29.44	29.53	13	FEW	NC				7.00	88	72	77	59	8	10	29.89	29.98	
16	FEW	NC			10.00	78	70	73	76	8	15	29.41	29.49	16	CLR	NC				7.00	87	72	77	61	12	13	29.89	29.98	
19	CLR	NC			6.00 BR	76	72	73	88	5	01	29.41	29.50	19	CLR	NC				5.00 HZ	77	72	74	85	9	16	29.92	30.01	
22	BKN	100			6.00 BR	72	70	71	94	0	00	29.43	29.52	22	CLR	NC				5.00 BR	75	71	72	88	8	10	29.98	30.06	
					SUNRISE: 0434	JUN 16			SUNSET: 1932										SUNRISE: 0435	JUN 22									
01	OVC	075			10.00	69	66	67	90	9	18	29.46	29.55	01	OVC	010				4.00 BR	73	70	71	90	6	08	29.99	30.08	
04	OVC	007			10.00	67	66	66	97	8	21	29.50	29.59	04	OVC	008				4.00 BR	71	69	70	94	7	12	29.99	30.08	
07	CLR	NC			9.00	71	67	68	87	13	24	29.56	29.65	07	OVC	010				1.75 DZ BR	70	69	69	97	8	09	30.04	30.13	
10	SCT	NC			10.00	79	67	71	67	12	23	29.58	29.67	10	OVC	014				2.00 BR	73	69	70	87	8	09	30.04	30.13	
13	BKN	041			10.00	83	67	72	59	12	23	29.60	29.68	13	OVC	008				3.00 BR	74	70	71	88	3	36	30.04	30.13	
16	CLR	NC			10.00	84	66	72	55	12	24	29.58	29.66	16	OVC	019				3.00 HZ	77	70	72	79	8	09	30.00	30.09	
19	CLR	NC			10.00	81	67	72	62	9	20	29.63	29.72	19	OVC	014				2.50 BR	73	70	71	90	8	12	29.99	30.08	
22	CLR	NC			10.00	69	65	66	87	0	00	29.66	29.75	22	OVC	010				3.00 BR	71	69	70	94	6	12	30.00	30.09	
					SUNRISE: 0434	JUN 17			SUNSET: 1932										SUNRISE: 0435	JUN 23									
01	CLR	NC			10.00	67	65	66	93	3	21	29.70	29.78	01	OVC	006				3.00 BR	71	68	69	90	6	09	29.99	30.08	
04	BKN	003			3.00 BR	65	65	65	100	6	21	29.72	29.80	04	OVC	004				3.00 BR	70	69	69	97	6	10	29.95	30.04	
07	CLR	NC			10.00	69	66	67	90	8	24	29.77	29.85	07	OVC	004				2.00 BR	71	70	70	96	3	03	29.99	30.08	
10	BKN	032			10.00	77	65	69	66	10	27	29.77	29.85	10	OVC	008				1.50 BR	74	71	72	91	6	12	30.00	30.09	
13	BKN	075			10.00	80	64	70	58	15	27	29.77	29.86	13	FEW	NC				5.00 HZ	79	72	74	79	7	15	29.97	30.06	
16	FEW	NC			10.00	82	64	70	55	13	26	29.77	29.85	16	CLR	NC				5.00 HZ	80	73	75	79	14	17	29.91	30.00	
19	FEW	NC			7.00	78	66	70	67	7	26	29.78	29.87	19	OVC	018				4.00 BR	74	72	73	94	10	16	29.91	29.99	
22	CLR	NC			8.00	73	65	68	76	7	26	29.82	29.90	22	OVC	010				4.00 -RA BR	72	71	71	97	7	12	29.94	30.03	
					SUNRISE: 0434	JUN 18			SUNSET: 1932										SUNRISE: 0436	JUN 24									
01	CLR	NC			8.00	68	63	65	84	6	25	29.81	29.89	01	OVC	006				4.00 BR	72	70	71	94	6	13	29.93	30.02	
04	CLR	NC			7.00	66	63	64	90	3	24	29.82	29.91	04	OVC	002				1.50 BR	71	71	71	100	5	07	29.93	30.02	
07	CLR	NC			8.00	72	65	68	79	10	27	29.86	29.95	07	VV	001				0.25 FG	71	71	71	100	5	08	29.97	30.06	
10	FEW	NC			10.00	79	65	70	62	9	33	29.84	29.93	10	OVC	007				2.50 BR	76	72	73	88	5	33	29.99	30.08	
13	SCT	NC			10.00	83	63	70	51	14	27	29.80	29.88	13	SCT	NC				4									

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

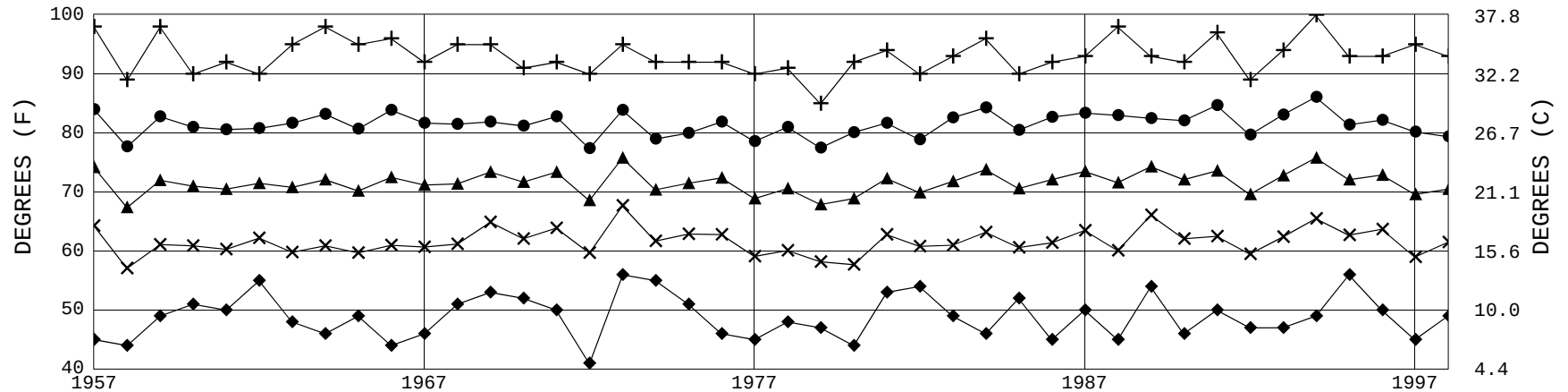
JUNE 1998

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		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		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL																		
SUNRISE: 0436						JUN 25						SUNSET: 1934						SUNRISE: JUN 31						SUNSET:																					
01	CLR	NC			1.75 BR	74	73	73	97	0	00	29.98	30.06																																
04	CLR	NC			1.00 BR	71	70	70	96	0	00	29.97	30.05																																
07	CLR	NC			1.75 BR	75	72	73	90	6	25	29.99	30.08																																
10	CLR	NC			6.00 HZ	86	71	76	61	7	25	30.00	30.08																																
13	BKN	060			7.00	89	70	76	53	12	23	29.97	30.05																																
16	CLR	NC			6.00 HZ	90	69	76	50	12	23	29.93	30.01																																
19	CLR	NC			4.00 HZ	86	73	77	65	9	20	29.89	29.97																																
22	CLR	NC			5.00 HZ	81	73	75	77	7	22	29.87	29.95																																
SUNRISE: 0436						JUN 26						SUNSET: 1934						3-HOURLY OBSERVATION NOTES																											
01	CLR	NC			4.00 HZ	78	73	75	85	9	22	29.85	29.93	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 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.																															
04	CLR	NC			3.00 BR	76	73	74	91	6	23	29.82	29.91																																
07	CLR	NC			2.50 BR	79	75	76	88	7	23	29.80	29.89																																
10	CLR	NC			4.00 HZ	89	75	79	63	12	23	29.79	29.87																																
13	FEW	NC			4.00 HZ	92	76	80	60	13	23	29.70	29.79																																
16	CLR	NC			6.00 TS	72	70	71	94	7	04	29.70	29.79																																
19	CLR	NC			6.00 BR	75	71	72	88	6	20	29.67	29.76																																
22	CLR	NC			6.00 BR	74	71	72	91	8	22	29.66	29.75																																
SUNRISE: 0437						JUN 27						SUNSET: 1934						SUMMARY BY HOUR																											
01	CLR	NC			9.00	74	70	71	88	9	25	29.63	29.72	AVERAGES												RESULTANT WIND (MPH)																			
04	CLR	NC			5.00 BR	74	73	73	97	7	23	29.62	29.71																																
07	CLR	NC			7.00	79	70	73	74	7	26	29.63	29.72	PRESSURE (INCHES,HG)		VISIBILITY (MILES)		WIND SPEED (MPH)		SPEED		DIRECTION																							
10	SCT	NC			8.00	85	70	75	61	13	30	29.64	29.72																																
13	BKN	060			10.00	85	66	72	53	17	30	29.64	29.72	STATION		SEA LEVEL		VISIBILITY (MILES)		WIND SPEED (MPH)		SPEED		DIRECTION																					
16	BKN	080			10.00	86	65	72	50	18	31	29.67	29.75																																
19	CLR	NC			10.00	80	65	70	60	8	31	29.71	29.80	STATION		SEA LEVEL		VISIBILITY (MILES)		WIND SPEED (MPH)		SPEED		DIRECTION																					
22	CLR	NC			10.00	72	65	68	79	6	30	29.78	29.86																																
SUNRISE: 0437						JUN 28						SUNSET: 1934						HOUR (LST)						PRESSURE (INCHES, HG)				VISIBILITY (MILES)		WIND SPEED (MPH)		SPEED		DIRECTION											
01	BKN	035			10.00	70	64	66	82	10	09	29.82	29.91	01			65	61	63	87	29.77	29.86	7.59	6	2	24																			
04	SCT	NC			10.00	67	59	62	76	12	08	29.86	29.95	02			65	61	62	87	29.77	29.86	7.43	7	2	27																			
07	FEW	NC			10.00	67	60	63	79	10	05	29.94	30.02	03			64	60	62	87	29.77	29.85	7.26	6	1	25																			
10	FEW	NC			10.00	72	60	65	66	9	11	29.96	30.05	04			64	60	62	87	29.77	29.86	7.02	6	1	25																			
13	FEW	NC			10.00	76	63	68	64	9	14	29.95	30.04	05			63	59	61	88	29.78	29.87	6.26	6	1	22																			
16	CLR	NC			10.00	76	62	67	62	15	16	29.94	30.03	06			65	60	62	86	29.79	29.88	6.26	6	2	26																			
19	CLR	NC			10.00	71	62	66	73	13	16	29.97	30.05	07			67	61	63	81	29.80	29.88	7.11	7	2	26																			
22	SCT	NC			10.00	68	64	66	87	7	19	29.98	30.06	08			69	60	64	74	29.80	29.89	7.67	8	3	29																			
SUNRISE: 0437						JUN 29						SUNSET: 1934						09						71				60		65		70		29.80		29.88		7.72		10		4		28	
01	CLR	NC			10.00	65	61	63	87	8	18	29.92	30.01	10			73	60	66	66	29.80	29.88	7.87	9	4	27																			
04	OVC	065			10.00	66	61	63	84	12	18	29.92	30.00	11			74	60	66	64	29.79	29.88	8.20	10	5	26																			
07	OVC	022			10.00	68	63	65	84	12	17	29.91	29.99	12			76	60	66	61	29.78	29.87	8.13	11	6	27																			
10	OVC	010			10.00	71	67	68	87	8	18	29.89	29.98	13			76	60	66	59	29.77	29.86	8.23	12	7	26																			
13	BKN	095			9.00	79	69	72	72	10	22	29.81	29.90	14			77	60	67	58	29.76	29.85	8.48	13	6	26																			
16	OVC	043			10.00	80	69	73	69	10	21	29.78	29.87	15			76	60	66	60	29.76	29.84	8.53	12	6	25																			
19	CLR	NC			9.00	80	70	73	71	13	20	29.73	29.81	16			76	60	67	60	29.75	29.84	8.78	12	6	24																			
22	SCT	NC			9.00	76	70	72	82	8	20	29.72	29.81	17			75	60	66	61	29.75	29.84	8.63	12	5	23																			
SUNRISE: 0438						JUN 30						SUNSET: 1934						18						74				61		66		66		29.75		29.84		8.08		10		4		23	
01	OVC	120			8.00					7	18	29.65	29.74	19			72	61	66	70	29.76	29.85	7.67	9	3	22																			
04	SCT	NC			7.00					8	16	29.57	29.66	20			70	61	65	74	29.76	29.85	8.17	7	3	21																			
07	FEW	NC			8.00					7	20	29.51	29.59	21			69	61	65	77	29.78	29.86	8.11	7	3	23																			
10	BKN	070			9.00	79	68	72	69	6	25	29.48	29.57	22			68	61	64	80	29.78	29.87	7.78	6	3	22																			
13	SCT	NC			10.00					14	26	29.43	29.51	23			67	62	64	85	29.78	29.87	7.75	6	2	22																			
16	CLR	NC			10.00					14	25	29.40	29.49	24			66	61	63	86	29.78	29.86	7.68	6	2	20																			
19	OVC	055			3.00 RA					14	33	29.45	29.54																																
22	CLR	NC			10.00					10	25	29.47	29.55																																

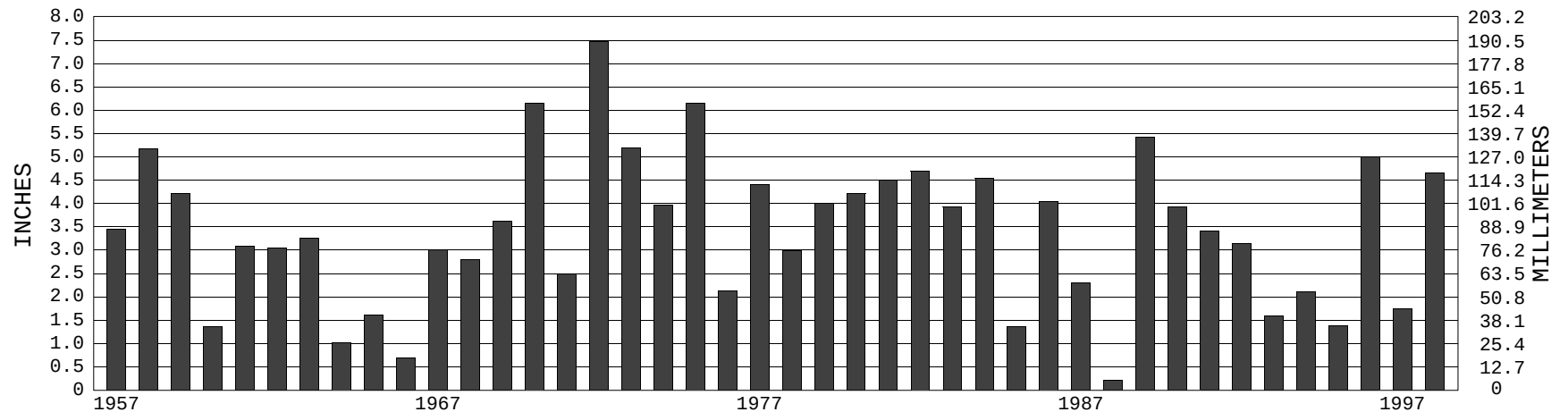
WILMINGTON, DE JUNE TEMPERATURES



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

Long-Term (1957-1998) Mean: 71.6 1961-1990 Normal: 71.5

WILMINGTON, DE JUNE PRECIPITATION



Long-Term (1957-1998) Mean Monthly Total: 3.42

1961-1990 Normal: 3.55



**JUNE 1998
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

NOTICE

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

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