



JUNE 2002

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

WILMINGTON, DE

NEW CASTLE COUNTY AP (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	85	66	76	9	63	68	0	11			0.0	0.00	29.61	29.69	6.0	23	7.2	22	19	16	21	01																											
02	83	59	71	3	52	61	0	6			0.0	0.00	29.60	29.68	11.0	28	12.0	33	29	28	30	02																											
03	75	56	66	-2	45	55	0	1	RA		0.0	T	29.93	30.02	4.4	34	6.2	17	29	15	01	03																											
04	76	63	70	2	57	62	0	5	RA		0.0	T	30.02	30.11	10.1	15	10.4	26	14	22	14	04																											
05	85	68	77	9	70	72	0	12	TSRA RA BR		0.0	0.25	29.87	29.96	7.8	17	8.8	30	23	25	23	05																											
06	85	60	73	4	68	70	0	8	TSRA RA BR		0.0	0.79	29.76	29.85	2.8	31	7.8	23	02	20	02	06																											
07	70	58	64	-6	55	58	1	0	RA		0.0	0.01	30.04	30.12	8.8	03	11.3	32	01	23	04	07																											
08	73	52*	63	-7	54	58	2	0			0.0	0.00	30.20	30.28	4.2	16	6.0	21	15	18	16	08																											
09	79	53	66	-4	58	62	0	1			0.0	0.00	30.04	30.13	6.1	21	6.4	17	22	14	25	09																											
10	83	64	74	4	65	68	0	9			0.0	0.00	29.98	30.06	5.0	13	7.4	21	16	18	15	10																											
11	88	63	76	6	68	71	0	11	BR		0.0	0.00	29.86	29.94	5.4	20	6.9	22	20	17	21	11																											
12	89	72	81	11	69	72	0	16	TSRA RA BR		0.0	0.19	29.69	29.77	9.7	25	11.8	26	24	22	24	12																											
13	74	58	66	-5	63	63	0	1	RA BR		0.0	1.68	29.76	29.85	7.3	08	8.2	18	05	16	05	13																											
14	64	58	61*	-10	60	60	4	0	RA BR		0.0	0.93	29.65	29.73	8.9	05	9.4	17	06	15	07	14																											
15	73	59	66	-6	58	60	0	1	RA		0.0	0.01	29.61	29.69	0.8	20	6.9	22	24	18	25	15																											
16	78	58	68	-4	57	62	0	3			0.0	0.00	29.68	29.76	8.6	22	9.1	26	20	21	21	16																											
17	79	57	68	-4	56	61	0	3	TSRA RA BR		0.0	0.29	29.82	29.90	1.9	27	3.5	25	30	22	31	17																											
18	79	54	67	-6	57	61	0	2	RA BR		0.0	0.24	30.05	30.14	1.7	13	5.2	30	30	28	28	18																											
19	79	60	70	-3	62	65	0	5	RA BR		0.0	0.12	30.25	30.34	5.1	12	8.0	23	16	20	16	19																											
20	80	60	70	-3	61	65	0	5			0.0	0.00	30.37	30.45	4.1	11	7.0	20	14	17	15	20																											
21	80	57	69	-4	60	64	0	4			0.0	0.00	30.35	30.43	3.7	15	5.3	18	15	16	15	21																											
22	83	60	72	-1	60	65	0	7			0.0	0.00	30.24	30.32	5.0	20	6.7	18	15	16	15	22																											
23	85	64	75	1	66	69	0	10			0.0	0.00	30.12	30.20	5.1	20	6.5	20	21	14	15	23																											
24	92	70	81	7	70	73	0	16	TS TSRA RA BR HZ VCTS		0.0	0.08	29.99	30.07	3.1	28	5.7	28	05	22	01	24																											
25	89	71	80	6	72	75	0	15	BR HZ		0.0	0.00	29.99	30.07	2.1	16	5.0	16	16	15	16	25																											
26	93*	73	83*	9	72	76	0	18	BR HZ		0.0	0.00	29.87	29.95	7.4	20	7.9	22	22	18	22	26																											
27	90	71	81	7	72	75	0	16	RA BR		0.0	0.37	29.73	29.82	8.7	22	10.1	38*	30	32*	29	27																											
28	84	69	77	2	68	71	0	12			0.0	0.00	29.79	29.87	7.2	28	7.7	20	27	15	30	28																											
29	87	63	75	0	61	67	0	10			0.0	0.00	30.03	30.11	3.2	35	6.0	20	07	14	01	29																											
30	86	65	76	1	65	69	0	11			0.0	0.00	30.11	30.19	3.6	18	6.1	18	15	16	15	30																											
										81.5		62.0		71.8		■ ■		62.1		65.9		0.2		7.3		< MONTHLY AVERAGES		TOTALS-->		0.0		4.96		29.93		30.02		0.8		27		7.6		<-- MONTHLY AVERAGES					
										0.4		0.2		0.3		■ ■		←-----DEPARTURE FROM NORMAL----->										1.37		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																			
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 2.61 DATE: 13-14										SEA LEVEL PRESSURE										DATE		TIME																	
MONTHLY TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL: 0.0 DATE:										MAXIMUM										:		30.49		20 1051															
SEASON TO DATE TOTAL DEPARTURE										GREATEST SNOW DEPTH:										MINIMUM										:		29.59		02 0451															
HEATING: 7 7 4125 -812										NUMBER OF DAYS WITH →										MAXIMUM TEMP ≥ 90: 3										MINIMUM TEMP ≤ 32: 0										PRECIPITATION ≥ 0.01 INCH: 12									
COOLING: 219 4 323 35																				MAXIMUM TEMP ≤ 32: 0										MINIMUM TEMP ≤ 0: 0										PRECIPITATION ≥ 0.10 INCH: 9									
																				THUNDERSTORMS: 5										HEAVY FOG: 0										SNOWFALL ≥ 1.0 INCH: 0									

JUNE 2002 WILMINGTON, DE

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

JUNE 2002 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													02												02			0.00	
03													03												03			T	
04	T												04												04			T	
05													05	0.15											05			0.25	
06													06			T	0.07	0.06	0.10	0.12	0.17	.04			06			0.79	
07	0.01	0.23	T										07									T			07			0.01	
08		T	T										08												08			0.00	
09													09												09			0.00	
10													10												10			0.00	
11													11												11			0.00	
12													12				0.01	0.18	T	T					12			0.19	
13													13		T	0.02	0.08	0.01	0.01	0.01	0.10	0.50	0.34	0.54	13			1.68	
14	0.03	0.01	0.02	0.01	T	0.13	0.21	0.40	T	T	0.02	0.03	14	0.05	0.02	0.02							T	14			0.93		
15	T	T	0.01										15			T									15			0.01	
16													16												16			0.00	
17													17				0.06								17			0.29	
18		0.01											18					T	0.23			0.23			18			0.24	
19					0.01								19						T	0.08	0.03				19			0.12	
20													20												20			0.00	
21													21												21			0.00	
22													22												22			0.00	
23													23												23			0.00	
24													24								0.07	T	T		24			0.08	
25													25											0.01	25			0.00	
26													26												26			0.00	
27													27								0.36	0.01			27			0.37	
28													28												28			0.00	
29													29												29			0.00	
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)	.19	.26	.34	.36	.39	.50	.65	.79	.86	.96	1.23	1.40
Ending Date	27	14	27	27	14	13	13	13	13	13	13	13
Ending Time (Hour/Min)	1942	0719	1944	1948	0721	2225	2239	2248	2248	2217	2245	2245

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 JUNE 2002

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							8.00	10.00	
02							10.00	10.00	
03							10.00	10.00	
04							10.00	10.00	
05							2.00	10.00	
06							1.50	10.00	
07							7.00	10.00	
08							10.00	10.00	
09							10.00	10.00	
10							7.00	10.00	
11							5.00	10.00	
12							2.50	10.00	
13							2.00	10.00	
14							1.25	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							2.50	10.00	
18							1.75	10.00	
19							2.00	10.00	
20							7.00	10.00	
21							8.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							4.00	10.00	
25							1.75	10.00	
26							3.00	10.00	
27							1.75	10.00	
28							7.00	10.00	
29							10.00	10.00	
30							10.00	10.00	
MONTHLY AVGS							6.81	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 8 18									

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

JUNE 2002

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 100'S OF FT		OBSERVATION TIME (LST)	EFF CLD AMT Okta			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			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	BKN	110			9.00			69	67	68	93	3	20	29.61	29.69	01	OVC	009			9.00	-RA			60	60	60	100	12	36	29.81	29.90
04	BKN	100			10.00			67	65	66	93	5	29	29.63	29.71	04	OVC	018			10.00				60	58	59	93	12	35	29.87	29.96
07	CLR	NC			10.00			72	64	67	76	6	29	29.67	29.75	07	OVC	024			10.00				60	54	57	80	20	02	29.98	30.06
10	CLR	NC			10.00			80	64	70	58	9	22	29.66	29.74	10	OVC	029			10.00				62	53	57	73	17	03	30.04	30.13
13	CLR	NC			10.00			83	61	69	48	14	21	29.60	29.69	13	OVC	041			10.00				66	53	59	63	10	04	30.09	30.18
16	SCT	NC			9.00			83	61	69	48	13	22	29.55	29.64	16	FEW	NC			10.00				68	53	60	59	8	05	30.09	30.17
19	CLR	NC			10.00			80	61	68	52	6	24	29.54	29.62	19	CLR	NC			10.00				67	54	60	63	5	12	30.10	30.19
22	CLR	NC			10.00			73	62	66	69	5	17	29.57	29.65	22	FEW	NC			10.00				61	55	58	81	5	13	30.16	30.25
SUNRISE: 0436 JUN 02 SUNSET: 1924								SUNRISE: 0435 JUN 08 SUNSET: 1928																								
01	CLR	NC			10.00			67	61	63	81	6	24	29.54	29.63	01	CLR	NC			10.00				57	54	55	90	5	11	30.18	30.27
04	CLR	NC			10.00			64	56	59	75	7	23	29.51	29.60	04	CLR	NC			10.00				56	53	54	90	0	00	30.21	30.29
07	CLR	NC			10.00			70	61	64	73	8	25	29.53	29.61	07	SCT	NC			10.00				59	55	57	87	5	36	30.25	30.34
10	CLR	NC			10.00			81	59	67	47	22	29	29.53	29.61	10	FEW	NC			10.00				65	51	57	61	7	VR	30.23	30.32
13	CLR	NC			10.00			81	44	60	27	20	30	29.56	29.65	13	CLR	NC			10.00				70	54	61	57	6	15	30.19	30.28
16	CLR	NC			10.00			80	47	61	31	17	29	29.60	29.68	16	CLR	NC			10.00				72	54	62	53	6	17	30.16	30.25
19	CLR	NC			10.00			75	45	59	34	12	29	29.65	29.73	19	CLR	NC			10.00				66	58	61	75	14	16	30.14	30.23
22	CLR	NC			10.00			64	46	55	52	9	30	29.76	29.85	22	FEW	NC			10.00				60	55	57	84	8	18	30.17	30.26
SUNRISE: 0436 JUN 03 SUNSET: 1925								SUNRISE: 0435 JUN 09 SUNSET: 1928																								
01	CLR	NC			10.00			62	46	54	56	12	03	29.80	29.89	01	CLR	NC			10.00				57	51	54	81	5	20	30.16	30.24
04	CLR	NC			10.00			59	41	50	51	8	02	29.86	29.94	04	CLR	NC			10.00				54	50	52	87	3	18	30.13	30.22
07	CLR	NC			10.00			62	44	53	52	5	31	29.95	30.03	07	CLR	NC			10.00				59	54	56	83	0	00	30.12	30.21
10	CLR	NC			10.00			67	44	55	44	8	31	29.97	30.05	10	CLR	NC			10.00				71	58	63	63	9	20	30.08	30.17
13	FEW	NC			10.00			72	45	57	38	6	30	29.93	30.02	13	CLR	NC			10.00				75	60	66	60	13	23	30.01	30.09
16	CLR	NC			10.00			74	44	58	34	10	31	29.92	30.01	16	FEW	NC			10.00				79	63	69	58	7	22	29.98	30.07
19	CLR	NC			10.00			70	46	57	42	5	35	29.94	30.03	19	CLR	NC			10.00				76	63	68	64	8	21	29.95	30.04
22	OVC	110			10.00			68	50	58	53	0	00	29.99	30.08	22	CLR	NC			10.00				71	63	66	76	5	22	29.96	30.05
SUNRISE: 0436 JUN 04 SUNSET: 1925								SUNRISE: 0434 JUN 10 SUNSET: 1929																								
01	OVC	080			10.00			67	53	59	61	0	00	30.00	30.09	01	CLR	NC			10.00				67	63	64	87	3	18	29.96	30.04
04	OVC	080			10.00			65	54	59	68	0	00	30.01	30.09	04	CLR	NC			10.00				65	63	64	93	0	00	29.94	30.03
07	BKN	085			10.00			66	57	61	73	7	16	30.05	30.13	07	FEW	NC			9.00				70	65	67	84	6	33	29.98	30.07
10	BKN	055			10.00			71	57	63	61	13	13	30.05	30.14	10	CLR	NC			10.00				79	65	70	62	9	09	30.00	30.09
13	CLR	NC			10.00			75	60	66	60	18	16	30.02	30.11	13	FEW	NC			10.00				82	67	72	60	12	13	29.98	30.06
16	CLR	NC			10.00			74	56	63	54	18	15	29.99	30.08	16	CLR	NC			10.00				79	67	71	67	13	17	29.96	30.05
19	CLR	NC			10.00			69	56	61	63	17	14	30.00	30.09	19	CLR	NC			10.00				76	63	68	64	9	12	29.97	30.06
22	BKN	039			10.00			69	62	65	78	13	16	30.03	30.12	22	CLR	NC			10.00				68	65	66	90	7	13	29.99	30.07
SUNRISE: 0435 JUN 05 SUNSET: 1926								SUNRISE: 0434 JUN 11 SUNSET: 1930																								
01	SCT	NC			10.00			69	64	66	84	9	16	29.97	30.06	01	CLR	NC			10.00				66	64	65	93	3	09	29.98	30.07
04	CLR	NC			10.00			68	66	67	93	7	17	29.93	30.01	04	CLR	NC			7.00				65	64	64	97	0	00	29.94	30.03
07	SCT	NC			10.00			71	67	68	87	7	17	29.93	30.01	07	FEW	NC			7.00				69	66	67	90	0	00	29.93	30.01
10	CLR	NC			10.00			80	70	73	71	10	19	29.91	30.00	10	CLR	NC			9.00				80	70	73	71	8	23	29.90	29.99
13	FEW	NC			9.00			80	74	76	82	0	00	29.87	29.96	13	CLR	NC			8.00				87	72	77	61	7	VR	29.85	29.93
16	CLR	NC			10.00			83	73	76	72	14	17	29.82	29.90	16	CLR	NC			7.00				88	71	76	57	10	19	29.78	29.86
19	CLR	NC			10.00			79	73	75	82	9	15	29.79	29.88	19	CLR	NC			8.00				85	68	74	57	9	20	29.75	29.84
22	OVC	050			10.00			71	70	70	96	8	18	29.83	29.91	22	BKN	100			10.00				79	66	71	65	12	21	29.77	29.85
SUNRISE: 0435 JUN 06 SUNSET: 1927								SUNRISE: 0434 JUN 12 SUNSET: 1930																								
01	SCT	NC			10.00			70	70	70	100	7	31	29.79	29.88	01	CLR	NC			10.00				75	67	70	76	14	21	29.75	29.83
04	CLR	NC			8.00			70	70	70	100	6	18	29.76	29.85	04	CLR	NC			9.00				73	67	69	81	12	23	29.71	29.80
07	CLR	NC			8.00			73	71	72	94	3	23	29.79	29.87	07	CLR	NC			8.00				75	67	70	76	8	23	29.72	29.80
10	CLR	NC			10.00			81	68	72	65	13	27	29.78	29.86	10	CLR	NC			10.00				85	69	74	59	13	22	29.70	29.79
13	FEW	NC			10.00			84	68	73	59	0	00	29.76	29.85	13	CLR	NC			10.00				87	70	75	57	15	24	29.65	29.74
16	BKN	034			5.00	-TSRA BR		75	73	74	94	9	29	29.72	29.80	16	BKN	060			6.00	TSRA			78	71	73	79	20	32	29.63	29.71
19	OVC	019			1.50	+TSRA BR		70	69	69	97	9	22	29.74	29.83	19	SCT	NC			9.00				79	72	74	79	13	27	29.64	29.72
22	OVC	021			10.00			62	60	61	93	9	35	29.77	29.86	22	SCT	NC			8.00				74	71	72	91	8	29	29.69	29.78

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

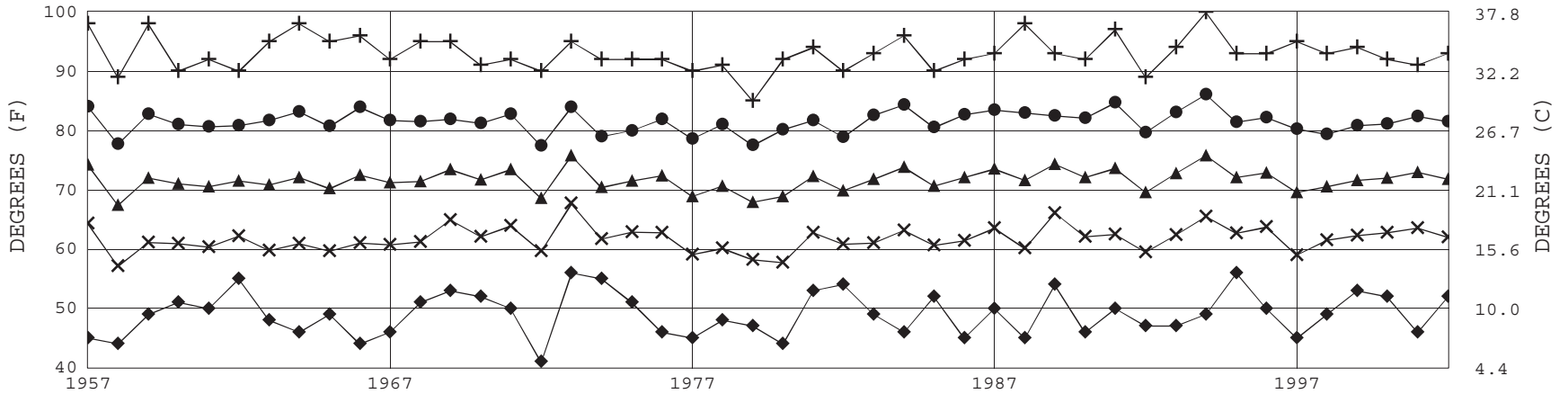
JUNE 2002

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)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0434 JUN 13					SUNSET: 1931					SUNRISE: 0435 JUN 19					SUNSET: 1933														
01	OVC	055	10.00		73	70	71	90	5	35	29.71	29.79	01	CLR	NC	6.00	BR	62	62	62	100	0	00	30.15	30.24				
04	SCT	NC	10.00		71	67	68	87	8	06	29.71	29.80	04	CLR	NC	6.00	BR	63	62	62	97	8	03	30.19	30.28				
07	OVC	004	2.00	BR	62	62	62	100	10	08	29.77	29.86	07	CLR	NC	9.00		66	60	62	81	10	06	30.25	30.34				
10	OVC	006	3.00		63	61	62	93	8	08	29.79	29.88	10	FEW	NC	10.00		73	63	67	71	6	VR	30.26	30.35				
13	OVC	010	10.00		65	62	63	90	9	09	29.77	29.86	13	CLR	NC	10.00		78	65	70	64	9	15	30.25	30.34				
16	OVC	015	2.00	-RA BR	65	64	64	97	9	08	29.75	29.83	16	FEW	NC	10.00		77	64	69	64	17	15	30.25	30.34				
19	OVC	008	7.00	-RA	62	61	61	96	10	10	29.76	29.85	19	BKN	032	6.00	RA BR	67	64	65	91	9	14	30.30	30.39				
22	OVC	012	3.00	+RA BR	59	59	59	100	8	09	29.79	29.88	22	CLR	NC	10.00		64	59	61	84	0	00	30.32	30.40				
SUNRISE: 0434 JUN 14					SUNSET: 1931					SUNRISE: 0435 JUN 20					SUNSET: 1933														
01	OVC	008	10.00	-RA	59	58	58	96	13	05	29.74	29.83	01	CLR	NC	7.00		61	60	60	97	3	33	30.32	30.40				
04	OVC	008	10.00		59	58	58	96	10	07	29.68	29.77	04	CLR	NC	10.00		62	59	60	90	5	05	30.34	30.43				
07	OVC	005	2.00	+RA BR	58	58	58	100	9	08	29.67	29.76	07	CLR	NC	10.00		66	59	62	78	6	07	30.38	30.47				
10	OVC	005	3.00	BR	59	59	59	100	9	07	29.64	29.72	10	CLR	NC	10.00		73	63	67	71	6	VR	30.40	30.49				
13	OVC	005	5.00	-RA BR	62	62	62	100	8	02	29.62	29.71	13	SCT	NC	10.00		78	66	70	67	3	VR	30.38	30.46				
16	OVC	008	10.00		63	61	62	93	14	03	29.59	29.68	16	FEW	NC	10.00		79	65	70	62	13	15	30.35	30.44				
19	OVC	006	9.00		61	60	60	97	8	04	29.62	29.71	19	OVC	085	10.00		75	59	65	58	13	15	30.35	30.44				
22	OVC	012	10.00		61	59	60	93	10	06	29.62	29.71	22	CLR	NC	10.00		68	58	62	70	7	11	30.37	30.46				
SUNRISE: 0434 JUN 15					SUNSET: 1931					SUNRISE: 0435 JUN 21					SUNSET: 1933														
01	OVC	008	10.00		60	60	60	100	7	36	29.59	29.68	01	CLR	NC	10.00		65	59	61	81	3	10	30.38	30.47				
04	OVC	008	10.00		59	58	58	96	7	02	29.59	29.67	04	CLR	NC	10.00		59	59	59	100	3	32	30.37	30.45				
07	OVC	009	10.00		59	57	58	93	6	08	29.60	29.69	07	CLR	NC	10.00		66	63	64	90	0	00	30.39	30.48				
10	OVC	009	10.00		61	58	59	90	3	12	29.61	29.70	10	CLR	NC	10.00		75	61	66	62	6	12	30.39	30.48				
13	BKN	025	10.00		66	61	63	84	5	13	29.58	29.67	13	CLR	NC	10.00		79	59	67	50	6	VR	30.36	30.45				
16	BKN	034	10.00		70	64	66	82	10	17	29.56	29.65	16	CLR	NC	10.00		80	59	67	49	9	15	30.29	30.38				
19	CLR	NC	10.00		70	53	60	55	12	25	29.62	29.71	19	CLR	NC	10.00		73	59	65	62	13	16	30.30	30.39				
22	CLR	NC	10.00		63	54	58	73	7	25	29.67	29.75	22	CLR	NC	10.00		70	64	66	82	6	17	30.30	30.39				
SUNRISE: 0434 JUN 16					SUNSET: 1932					SUNRISE: 0435 JUN 22					SUNSET: 1933														
01	CLR	NC	10.00		60	54	57	80	8	22	29.67	29.75	01	CLR	NC	10.00		65	60	62	84	3	20	30.27	30.35				
04	FEW	NC	10.00		58	55	56	90	6	22	29.66	29.75	04	CLR	NC	10.00		62	59	60	90	0	00	30.26	30.35				
07	SCT	NC	10.00		64	57	60	78	8	23	29.67	29.75	07	CLR	NC	10.00		67	61	63	81	5	26	30.29	30.38				
10	SCT	NC	10.00		71	57	63	61	10	22	29.67	29.75	10	FEW	NC	10.00		78	62	68	58	7	26	30.29	30.38				
13	SCT	NC	10.00		75	59	65	58	14	20	29.66	29.74	13	CLR	NC	10.00		82	58	67	44	7	18	30.24	30.33				
16	FEW	NC	10.00		77	59	66	54	17	21	29.64	29.73	16	CLR	NC	10.00		82	59	68	46	9	17	30.18	30.27				
19	CLR	NC	10.00		75	54	63	48	8	24	29.68	29.77	19	CLR	NC	10.00		76	63	68	64	13	15	30.18	30.26				
22	CLR	NC	10.00		68	58	62	70	5	22	29.72	29.81	22	CLR	NC	10.00		70	56	62	61	9	17	30.21	30.29				
SUNRISE: 0434 JUN 17					SUNSET: 1932					SUNRISE: 0435 JUN 23					SUNSET: 1934														
01	CLR	NC	10.00		62	57	59	84	0	00	29.74	29.82	01	CLR	NC	10.00		67	61	63	81	3	25	30.20	30.29				
04	CLR	NC	10.00		58	55	56	90	6	30	29.77	29.85	04	CLR	NC	10.00		65	63	64	93	3	22	30.17	30.26				
07	CLR	NC	10.00		65	59	61	81	0	00	29.81	29.90	07	CLR	NC	10.00		68	65	66	90	5	25	30.18	30.27				
10	FEW	NC	10.00		74	55	63	52	8	31	29.82	29.91	10	CLR	NC	10.00		79	68	72	69	8	23	30.18	30.27				
13	SCT	NC	10.00		77	55	64	47	8	16	29.80	29.89	13	CLR	NC	10.00		83	64	71	53	9	20	30.11	30.20				
16	FEW	NC	10.00		76	53	63	45	9	23	29.79	29.88	16	CLR	NC	10.00		84	67	73	57	7	23	30.06	30.15				
19	CLR	NC	10.00		72	57	63	60	0	00	29.83	29.92	19	CLR	NC	10.00		77	68	71	74	12	15	30.04	30.13				
22	CLR	NC	10.00		60	58	59	93	0	00	29.90	29.98	22	CLR	NC	10.00		74	72	73	94	6	16	30.06	30.14				
SUNRISE: 0434 JUN 18					SUNSET: 1932					SUNRISE: 0436 JUN 24					SUNSET: 1934														
01	CLR	NC	9.00		56	56	56	100	6	32	29.93	30.01	01	CLR	NC	10.00		72	69	70	91	8	23	30.02	30.10				
04	CLR	NC	10.00		56	55	55	97	3	31	29.96	30.04	04	CLR	NC	10.00		71	70	70	96	6	25	29.99	30.07				
07	CLR	NC	10.00		62	57	59	84	3	31	30.02	30.11	07	FEW	NC	10.00		75	70	72	84	6	25	30.00	30.08				
10	CLR	NC	10.00		72	55	62	55	3	VR	30.06	30.15	10	CLR	NC	9.00		85	70	75	61	6	28	30.01	30.09				
13	CLR	NC	10.00		77	55	64	47	9	15	30.06	30.15	13	CLR	NC	8.00		90	70	76	52	6	30	29.98	30.06				
16	FEW	NC	10.00		76	61	67	60	17	17	30.03	30.11	16	FEW	NC	8.00		91	69	76	49	9	29	29.95	30.03				
19	OVC	100	10.00		64	63	63	96	0	00	30.12	30.20	19	BKN	065	6.00	VCTS HZ	80	71	74	74	13	06	29.97	30.05				
22	FEW	NC	10.00		64	62	63	93	6	08	30.13	30.22	22	CLR	NC	8.00		74	71	72	91	0	00	29.99	30.08				

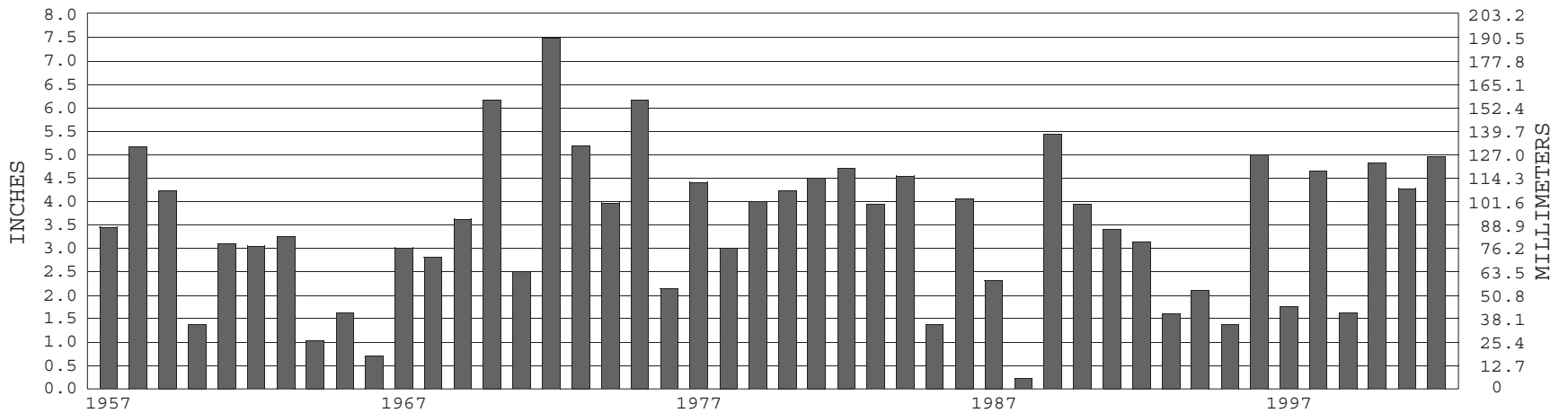
WILMINGTON, DE JUNE TEMPERATURES



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

Long-Term (1957-2002) Mean: 71.6 1961-1990 Normal: 71.5

WILMINGTON, DE JUNE PRECIPITATION



Long-Term (1957-2002) Mean Monthly Total: 3.47

1961-1990 Normal: 3.59



JUNE 2002
WILMINGTON, DE

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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