

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary



GREATER WILMINGTON AIRPORT

LATITUDE 39°40'    LONGITUDE 75°36'    ELEVATION (GROUND) 74 FEET    TIME ZONE EASTERN    13781

JUN 1984  
WILMINGTON, DELAWARE

DATE	TEMPERATURE °F					DEGREE DAYS BASE 65°F		WEATHER TYPES 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW ICE PELLETS OR ICE ON GROUND AT 0700 INCHES	PRECIPITATION		AVERAGE STATION PRESSURE IN INCHES ELEV. 80 FEET ABOVE M.S.L.	WIND (M.P.H.)			SUNSHINE		SKY COVER (TENTHS)		DATE		
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING (SEASON BEGINS WITH JUL)	COOLING (SEASON BEGINS WITH JAN)			WATER EQUIVALENT (INCHES)	SNOW, ICE PELLETS (INCHES)		RESULTANT DIR.	RESULTANT SPEED	AVERAGE SPEED	FASTEST MILE	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET		MIDNIGHT TO MIDNIGHT	
01	75	46*	61*	-6	43	4	0		0	0.00	0.0	29.725	32	10.0	10.4	20	35		3	2	01	
02	77	55	66	-2	41	0	1		0	0.00	0.0	29.635	31	14.2	14.6	22	30		7	5	02	
03	79	52	66		51	0	1	8	0	0.10	0.0	29.755	26	3.8	5.7	12	24		6	4	03	
04	85	53	69	1	50	0	4		0	0.00	0.0	29.900	29	7.2	8.2	15	29		1	1	04	
05	85	59	72	3	54	0	7		0	0.00	0.0	30.015	22	5.0	6.6	12	20		8	5	05	
06	89	64	77	8	66	0	12	3 8	0	0.24	0.0	30.010	22	3.7	5.4	23	26		6	7	06	
07	94	68	81	12	67	0	16	1 8	0	0.00	0.0	30.010	26	3.6	5.7	10	31		7	6	07	
08	95	69	82	13	68	0	17	1 8	0	0.00	0.0	29.980	20	3.6	4.9	10	20		6	5	08	
09	96*	71	84	14	68	0	19	1 8	0	0.00	0.0	29.940	26	5.4	5.9	9	24		2	2	09	
10	93	73	83	13	71	0	18	8	0	0.00	0.0	29.950	20	3.8	5.7	9	12		1	1	10	
11	94	73	84*	14	69	0	19	3 8	0	0.00	0.0	29.950	25	4.8	5.9	12	20		3	3	11	
12	87	71	79	8	62	0	14		0	0.00	0.0	30.075	14	3.0	6.9	13	17		0	0	12	
13	94	69	82	11	70	0	17	1 3 8	0	0.85	0.0	29.960	22	3.7	6.9	16	34		2	3	13	
14	89	70	80	9	67	0	15	1 8	0	0.01	0.0	29.860	28	6.7	7.5	13	30		7	7	14	
15	76	57	67	-4	51	0	2		0	0.00	0.0	30.090	35	8.5	8.9	14	35		8	6	15	
16	75	52	64	-8	50	1	0		0	0.00	0.0	30.220	13	1.9	7.4	13	07		8	7	16	
17	68	61	65	-7	60	0	0	1 8	0	0.37	0.0	30.050	15	3.5	5.8	9	18		10	10	17	
18	78	66	72	0	67	0	7	1 3 8	0	0.94	0.0	29.830	16	4.7	6.9	16	31		10	10	18	
19	92	69	81	9	66	0	16	23 8	0	0.25	0.0	29.820	31	5.0	6.7	12	31		5	5	19	
20	83	63	73	1	58	0	8		0	0.00	0.0	29.955	33	5.8	6.3	10	36		8	6	20	
21	82	62	72	-1	54	0	7		0	0.00	0.0	30.000	06	2.2	6.8	10	17		1	2	21	
22	84	59	72	-1	57	0	7		0	0.00	0.0	29.990	23	2.6	5.5	9	18		7	6	22	
23	82	63	73	0	58	0	8		0	T	0.0	29.975	19	5.6	6.3	10	16		10	9	23	
24	79	68	74	1	65	0	9	1	0	0.82	0.0	29.870	17	11.7	11.7	20	16		10	10	24	
25	83	60	72	-1	57	0	7	1 3 8	0	0.24	0.0	29.770	31	5.8	7.4	13	34		2	4	25	
26	78	55	67	-7	52	0	2		0	0.00	0.0	29.790	30	5.6	6.5	9	28		3	3	26	
27	87	59	73	-1	58	0	8		0	0.00	0.0	29.780	20	5.8	6.8	14	19		4	4	27	
28	85	73	79	5	65	0	14	3 8	0	0.00	0.0	29.830	19	8.0	9.7	16	22		10	10	28	
29	83	64	74	0	64	0	9	8	0	0.00	0.0	29.860	17	7.2	8.5	14	15		8	8	29	
30	81	72	77	3	68	0	12	1 8	0	0.72	0.0	29.770	06	5.5	7.5	14	07		10	10	30	
SUM	SUM					TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL			FOR THE MONTH:			TOTAL	%	SUM	SUM		
2528	1896					5	276			4.54	0.0	29.910	25	2.2	7.3	23	26		FOR	173	161	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.			PRECIPITATION		DEP.								POSSIBLE	MONTH	AVG.	AVG.	
84.3	63.2	73.8	2.6	59.8	-1		84	> .01 INCH.	10	1.03									5.8	5.4		
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS	GREATEST IN 24 HOURS AND DATES						GREATEST DEPTH ON GROUND OF							
						TOTAL	TOTAL	> 1.0 INCH							SNOW, ICE PELLETS OR ICE AND DATE							
MAXIMUM TEMP.						5395		7	PRECIPITATION						SNOW, ICE PELLETS							
> 90°						32°		1	1.28						17-18							
7						0		0	0						0							

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.  
+ ALSO ON EARLIER DATE(S).  
HEAVY FOG: VISIBILITY 1/4 MILE OR LESS.  
BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.

DATA IN COLS 6 AND 12-15 ARE BASED ON 21 OR MORE OBSERVATIONS AT HOURLY INTERVALS. RESULTANT WIND IS THE VECTOR SUM OF WIND SPEEDS AND DIRECTIONS DIVIDED BY THE NUMBER OF OBSERVATIONS. ONE OF THREE WIND SPEEDS IS GIVEN UNDER FASTEST MILE: FASTEST MILE - HIGHEST RECORDED SPEED FOR WHICH A MILE OF WIND PASSES STATION [DIRECTION IN COMPASS POINTS]. FASTEST OBSERVED ONE MINUTE WIND - HIGHEST ONE MINUTE SPEED [DIRECTION IN TENS OF DEGREES]. PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED [A / APPEARS IN THE DIRECTION COLUMN]. ERRORS WILL BE CORRECTED AND NOTED IN SUBSEQUENT PUBLICATIONS.

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NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

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DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# OBSERVATIONS AT 3-HOUR INTERVALS

JUN 1984  
WILMINGTON, DELAWARE 13781

HOUR L.S.T.	SKY COVER (TENTHS)			VISI-BILITY			TEMPERATURE				WIND			SKY COVER (TENTHS)	VISI-BILITY			TEMPERATURE				WIND														
	0-100	100-200	200-300	WHOLE MILES	1/16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	0-100		100-200	200-300	WHOLE MILES	1/16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)											
JUN 1st																																				
01	0	UNL	15				47	44	40	77	29	5	2	UNL	12				57	49	41	55	32	8	0	UNL	15				55	48	40	57	31	7
04	0	UNL	8				48	44	40	74	31	6	4	UNL	12				55	48	40	57	31	12	0	UNL	15				54	48	41	62	19	4
07	0	UNL	12				56	50	44	64	32	6	10	200	12				60	51	41	50	31	13	10	85	15				59	52	46	62	23	7
10	0	UNL	15				66	56	47	51	31	10	8	250	15				68	55	44	42	30	18	10	48	7				57	54	52	84	00	0
13	6	60	15				72	57	45	38	34	13	10	250	15				72	57	43	33	32	18	10	48	15				67	60	55	66	32	4
16	5	UNL	15				74	58	44	34	32	10	6	UNL	15				76	57	41	29	32	14	3	UNL	12				79	67	59	51	28	6
19	4	UNL	15				67	54	41	39	33	8	0	UNL	15				72	56	41	33	34	7	1	UNL	20				75	63	55	50	32	7
22	0	UNL	15				62	51	41	46	33	12	0	UNL	15				59	50	41	52	30	7	0	UNL	20				65	58	52	63	00	0
JUN 2nd																																				
JUN 3rd																																				
JUN 4th																																				
JUN 5th																																				
JUN 6th																																				
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JUN 14th																																				
JUN 15th																																				
JUN 16th																																				
JUN 17th																																				
JUN 18th																																				

## WEATHER CODES

- |   |  |   |   |
|---|--|---|---|
| <ul style="list-style-type: none"> <li>* TORNADO</li> <li>T THUNDERSTORM</li> <li>Q SQUALL</li> <li>R RAIN</li> <li>RW RAIN SHOWERS</li> <li>ZR FREEZING RAIN</li> <li>L DRIZZLE</li> </ul> | <ul style="list-style-type: none"> <li>ZL FREEZING DRIZZLE</li> <li>S SNOW</li> <li>SW SNOW SHOWERS</li> <li>SG SNOW GRAINS</li> <li>SP SNOW PELLETS</li> <li>IC ICE CRYSTALS</li> <li>IP ICE PELLETS</li> </ul> | <ul style="list-style-type: none"> <li>IPW ICE PELLET SHOWERS</li> <li>A HAIL</li> <li>F FOG</li> <li>IF ICE FOG</li> <li>GF GROUND FOG</li> <li>BD BLOWING DUST</li> </ul> | <ul style="list-style-type: none"> <li>BN BLOWING SAND</li> <li>BS BLOWING SNOW</li> <li>BY BLOWING SPRAY</li> <li>K SMOKE</li> <li>H HAZE</li> <li>D DUST</li> </ul> |
|---|--|---|---|

CEILING: UNL INDICATES UNLIMITED  
 WIND DIRECTION: DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS, INDICATED IN TENS OF DEGREES FROM TRUE NORTH: I.E., 09 FOR EAST, 18 FOR SOUTH, 27 FOR WEST. AN ENTRY OF 00 INDICATES CALM  
 SPEED: THE OBSERVED AVERAGE ONE-MINUTE VALUE, EXPRESSED IN KNOTS (MPH=KNOTS X 1.15).

# OBSERVATIONS AT 3-HOUR INTERVALS

JUN 1984 13781  
WILMINGTON, DELAWARE

HOUR L.S.T.	VISI-BILITY				WEATHER	TEMPERATURE				WIND			SKY COVER (TENTHS)	VISI-BILITY				WEATHER	TEMPERATURE				WIND												
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE		AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	AIR OF		WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		
JUN 19th												JUN 20th												JUN 21st											
01	10	3	2		TRWH	71	68	67	87	15	6	0	UNL	15		67	62	59	76	34	4	5	UNL	15			68	60	53	59	36	6			
04	10	6	2		FH	70	68	67	90	28	4	1	UNL	12		65	60	57	76	32	5	5	UNL	15			63	57	52	68	34	5			
07	10	26	2		FH	72	69	68	87	28	5	4	UNL	15		74	65	60	62	36	9	4	UNL	15			70	61	54	57	04	7			
10	4	UNL	8			83	74	70	65	34	8	8	250	15		80	66	58	47	33	6	1	UNL	15			76	62	51	42	06	8			
13	5	UNL	8			86	74	69	57	30	7	10	250	15		80	67	59	49	32	5	0	UNL	15			78	63	52	41	06	7			
16	3	UNL	10			91	75	67	45	30	8	10	250	15		79	67	59	51	31	5	0	UNL	12			81	65	54	39	19	9			
19	2	UNL	10			84	70	62	48	31	5	9	250	15		75	66	61	52	30	4	1	UNL	12			73	65	60	64	18	8			
22	0	UNL	15			73	65	59	62	31	4	2	UNL	15		67	63	60	78	32	4	0	UNL	12			67	62	58	73	00	0			
JUN 22nd												JUN 23rd												JUN 24th											
01	0	UNL	12			64	60	57	78	26	3	8	UNL	10		66	57	49	55	19	4	4	UNL	12			71	65	61	71	18	7			
04	2	UNL	10			61	58	56	84	31	4	6	UNL	10		64	55	48	56	20	4	10	48	8			70	66	64	81	15	5			
07	2	UNL	12			68	62	58	71	34	4	10	UNL	10		69	61	55	61	20	5	10	48	15			73	68	65	76	16	9			
10	9	UNL	12			79	66	57	47	31	6	10	250	15		76	67	61	60	24	6	10	50	15			75	69	65	71	16	10			
13	10	UNL	12			82	65	54	38	00	0	10	80	15		81	68	61	51	20	6	10	70	15			76	69	65	69	14	14			
16	8	UNL	12			82	67	58	44	19	7	10	85	15		76	68	63	64	19	5	10	32	3		RW	72	68	66	82	17	12			
19	10	UNL	10			77	67	60	56	18	7	10	85	12		74	67	63	69	14	5	10	24	8		RW	70	67	65	84	17	11			
22	8	250	12			74	63	56	54	21	7	10	85	12		74	67	62	66	17	8	10	10	8			70	67	65	84	19	10			
JUN 25th												JUN 26th												JUN 27th											
01	10	6	8			71	68	66	84	20	5	4	UNL	15		60	56	53	78	29	5	0	UNL	10			61	56	52	72	29	4			
04	8	10	5		F	71	68	67	87	27	3	1	UNL	15		56	53	50	80	30	5	0	UNL	8			61	55	50	67	30	4			
07	8	80	6			72	68	65	79	36	6	1	UNL	15		65	59	54	68	30	7	1	UNL	15			68	62	58	71	19	4			
10	0	UNL	15		H	79	65	55	44	35	9	1	UNL	15		73	61	53	50	30	8	7	UNL	12			80	69	63	56	19	7			
13	1	UNL	15			81	65	54	39	31	7	5	UNL	15		76	63	53	45	32	7	2	UNL	10			85	70	62	46	19	8			
16	0	UNL	15			82	64	52	36	32	9	6	UNL	15		77	61	49	37	28	7	4	UNL	10			87	68	57	36	21	5			
19	2	UNL	15			73	61	53	50	29	5	6	UNL	15		73	60	51	46	30	5	7	UNL	10			83	70	62	49	18	8			
22	9	90	12			67	58	51	57	02	7	4	UNL	15		67	59	53	61	20	4	7	UNL	12			78	66	58	50	18	8			
JUN 28th												JUN 29th												JUN 30th											
01	10	95	10			77	67	61	58	19	9	10	250	7		72	64	58	62	29	6	10	120	5		RWH	74	70	68	82	16	6			
04	7	UNL	7			74	67	62	66	18	10	4	UNL	7		71	64	60	68	20	6	10	55	4		RWH	73	70	68	84	17	4			
07	10	250	7			77	69	64	64	22	14	6	UNL	5		70	65	62	76	21	6	10	4	3		F	74	71	70	87	09	4			
10	10	140	7			79	69	64	60	23	7	7	UNL	10		78	70	65	64	19	8	10	8	1		6	RWF	72	69	67	84	35	9		
13	10	120	7			83	72	66	57	18	7	9	UNL	12		82	72	66	59	16	10	10	5	1		8	RWF	73	70	68	84	07	12		
16	8	250	7			84	73	67	57	16	10	10	250	9		81	71	65	58	17	9	10	120	7			78	71	67	69	04	6			
19	10	120	6		H	79	71	67	67	18	8	10	250	8		78	71	67	69	14	7	10	100	7			75	70	68	79	03	6			
22	10	220	8			75	70	68	79	19	7	10	250	8		75	70	68	79	13	6	10	12	7			73	70	68	84	04	7			

## SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES					RESULTANT WIND	
			TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
			AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	4	29.910	67	62	58	74	5.7	26	1.8
04	4	29.910	65	61	57	76	5.1	27	1.8
07	6	29.940	70	64	60	71	7.1	28	1.8
10	6	29.940	77	67	61	59	8.1	29	2.6
13	6	29.915	81	68	61	52	9.1	25	2.1
16	6	29.890	82	69	60	50	8.7	23	4.2
19	6	29.890	77	67	61	59	7.2	22	3.4
22	5	29.910	71	65	60	69	6.6	22	2.4

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

JUN 1984  
WILMINGTON, DELAWARE 13781

DATE	A.M. HOUR ENDING AT												P.M. HOUR ENDING AT												DATE	
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12		
01																								01		
02																								02		
03								0.01	0.09	T														03		
04																								04		
05																								05		
06																								06		
07																								07		
08																								08		
09																								09		
10																								10		
11																								11		
12																								12		
13																								13		
14	0.01																					T	0.79	0.03	0.03	14
15																									15	
16																									16	
17																									17	
18	0.05	0.04	0.04	T	0.34	0.26	0.08	0.10	T	T	T	0.01	0.01	0.06	0.03	0.02	0.03	0.01	T	T	0.06	0.09	0.04	0.01	18	
19	0.24	0.01																							0.03	19
20																										20
21																										21
22																										22
23																										23
24																										24
25			0.23	0.01										0.06	T	0.22	0.12	0.38	0.04	T			T	T	25	
26																									26	
27																									27	
28																									28	
29																									29	
30	T	T	0.01	0.01	0.02	T	0.01		T	0.40	0.12	0.06	0.09	T								T	T	T	T	30

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.12	0.24	0.36	0.48	0.70	0.78	0.79	0.80	0.81	0.82	0.84	0.85
ENDED: DATE	24	13	13	13	13	13	13	13	13	13	13	14
ENDED: TIME	1520	2115	2120	2125	2135	2150	2205	2225	2245	2305	2335	0005

THE PRECIPITATION AMOUNTS FOR THE INDICATED TIME INTERVALS MAY OCCUR AT ANY TIME DURING THE MONTH. THE TIME INDICATED IS THE ENDING TIME OF THE INTERVAL. DATE AND TIME ARE NOT ENTERED FOR TRACE AMOUNTS.

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