

JUN 1986
WILMINGTON, DELAWARE
NAT'L WEA SER OFC
AIRPORT TERMINAL BLDG

ISSN 0198-117X



LOCAL CLIMATOLOGICAL DATA

Monthly Summary

GREATER WILMINGTON AIRPORT

LATITUDE 39°40'

LONGITUDE 75°36'

ELEVATION (GROUND) 74 FEET

TIME ZONE EASTERN

13781

JUN 1986
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	PERCENT OF TOTAL POSSIBLE	MINUTES	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT										
1	2	3	4	5	6	7A	7B	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22							
01	91	69	80	13	65	0	15	1	8	0	0.00	0.0	29.650	24	7.9	8.6	18	23		1	2	01							
02	77	53	65	-3	50	0	0		8	0	0.00	0.0	29.820	35	9.6	11.5	22	36		5	4	02							
03	70	45*	58*	-10	36	7	0			0	0.00	0.0	30.200	12	3.0	9.8	14	19		0	0	03							
04	77	51	64	-4	55	1	0			0	0.00	0.0	30.080	19	10.0	10.8	17	16		2	1	04							
05	88	64	76	7	63	0	11	1	8	0	0.00	0.0	29.930	19	10.1	11.0	17	16		1	2	05							
06	88	70	79	10	69	0	14		8	0	0.00	0.0	29.870	18	9.7	10.5	18	17		8	8	06							
07	82	71	77	8	70	0	12		8	0	0.00	0.0	29.780	08	7.1	8.2	13	08		9	9	07							
08	90	70	80	11	71	0	15	1	3	0	0.66	0.0	29.655	28	4.4	8.1	15	24		8	7	08							
09	81	60	71	1	50	0	6			0	0.00	0.0	29.970	35	9.1	10.0	18	33		6	4	09							
10	81	55	68	-2	52	0	3			0	T	0.0	30.050	15	4.9	8.9	15	17		4	5	10							
11	92*	69	81	11	66	0	16	1	3	8	0	2.38	0.0	29.760	22	10.0	11.8	17	25		5	7	11						
12	74	60	67	-4	65	0	2	1	3	0	0.71	0.0	29.740	06	9.7	10.6	16	06		10	10	12							
13	78	58	68	-3	61	0	3	1	8	0	0.00	0.0	29.900	31	5.8	7.8	14	32		8	7	13							
14	83	60	72	1	63	0	7	1	8	0	0.00	0.0	30.010	28	4.4	6.9	12	24		3	2	14							
15	87	65	76	5	69	0	11	1	8	0	0.00	0.0	29.980	18	6.7	8.2	16	17		2	1	15							
16	87	71	79	7	71	0	14	1	8	0	0.00	0.0	29.840	21	10.7	11.4	18	22		6	5	16							
17	81	58	70	-2	52	0	5	1	8	0	0.04	0.0	29.870	32	11.7	13.1	20	34		2	3	17							
18	73	50	62	-10	45	3	0			0	0.00	0.0	29.980	32	7.8	9.6	15	30		0	0	18							
19	80	54	67	-5	51	0	2			0	T	0.0	29.940	25	2.4	7.2	12	17		4	4	19							
20	84	61	73	1	59	0	8	1	8	0	0.14	0.0	29.870	34	7.0	9.8	17	35		7	5	20							
21	80	59	70	-3	48	0	5			0	0.00	0.0	30.070	04	4.4	9.4	16	03		2	3	21							
22	80	58	69	-4	59	0	4			0	0.00	0.0	29.980	18	6.3	7.4	15	16		4	4	22							
23	90	65	78	5	63	0	13	1	8	0	T	0.0	29.775	27	6.8	8.8	17	32		6	5	23							
24	86	64	75	2	59	0	10		3	0	0.12	0.0	29.760	29	7.7	9.9	20	29		7	5	24							
25	74	56	65	-8	45	0	0			0	0.00	0.0	30.000	33	10.6	11.1	17	31		3	2	25							
26	80	52	66	-8	50	0	1			0	0.00	0.0	30.110	23	4.1	7.9	12	21		6	4	26							
27	89	65	77	3	64	0	12		8	0	0.00	0.0	29.930	23	8.1	8.6	15	23		5	6	27							
28	85	74	80	6	67	0	15		8	0	T	0.0	29.770	26	8.6	9.2	15	27		10	9	28							
29	91	73	82*	8	62	0	17	1	8	0	0.00	0.0	29.700	30	8.7	10.0	17	31		5	6	29							
30	81	61	71	-3	51	0	6			0	T	0.0	29.850	33	8.6	9.5	16	01		9	9	30							
SUM		SUM	=====		=====	TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:					TOTAL	%	SUM	SUM									
2480		1841	=====		=====	11	227			4.05	0.0	29.890	27	2.7	9.5	22	36		148	139									
AVG.		AVG.	=====		=====	DEP.	DEP.	PRECIPITATION		DEP.		DATE: 2					POSSIBLE	MONTH	AVG.	AVG.									
82.7		61.4	72.1	0.9	58.3		5	35	> .01 INCH.	6	0.54								4.9	4.6									
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES					GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE														
MAXIMUM TEMP.						TOTAL	TOTAL	> 1.0 INCH		PRECIPITATION		SNOW, ICE PELLETS																	
MINIMUM TEMP.						4732	356	THUNDERSTORMS		4		0																	
5 90°						0		CLEAR		10		PARTLY CLOUDY		13		CLOUDY													
7 32°						0																							
7 32°						0																							
7 0°						0																							
-254						121																							

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
T TRACE AMOUNT.
+ 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.

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER, ASHEVILLE, NORTH CAROLINA, 28801

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CLIMATIC DATA CENTER
ASHEVILLE NORTH CAROLINA

Kenneth D. Hadlee
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

JUN 1986 13781
WILMINGTON, DELAWARE

HOUR L.S.T.		SKY COVER (TENTHS)		VISI-BILITY		WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)		VISI-BILITY		WEATHER	TEMPERATURE				WIND			
				WHOLE MILES	16THS MILE		AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %					AIR OF	WET BULB OF		DEW POINT OF	REL HUMIDITY %						
JUN 1st																									
01	8	250	7			H	73	68	65	76	23	4		7	250	4			H	76	71	68	76	24	6
04	5	UNL	4			H	70	68	67	90	00	0		6	100	3			H	71	66	63	76	31	4
07	3	UNL	3			H	74	70	67	79	29	4		3	UNL	3			H	75	68	64	69	30	7
10	0	UNL	7				86	73	66	51	24	6		10	25	12				68	62	57	68	02	15
13	1	UNL	7				90	71	61	38	23	9		9	44	12				66	57	49	55	36	11
16	0	UNL	6			H	90	71	61	38	23	16		1	UNL	12				69	55	43	39	36	19
19	2	UNL	6			H	84	71	64	51	24	9		0	UNL	12				64	50	35	34	36	12
22	4	UNL	6			H	78	70	66	67	21	8		0	UNL	12				57	45	31	37	02	9
JUN 2nd																									
JUN 3rd																									
01	0	UNL	15				55	51	48	77	18	8		0	UNL	10				66	61	58	76	20	6
04	0	UNL	12				51	49	47	86	20	4		6	UNL	7				65	63	61	87	18	8
07	0	UNL	10				60	54	49	67	23	8		0	UNL	6			H	68	64	62	81	19	8
10	0	UNL	15				71	60	52	51	19	13		0	UNL	7				80	69	63	56	19	13
13	7	39	10				74	65	60	62	16	15		0	UNL	7				85	72	65	51	24	8
16	3	UNL	10				77	68	62	60	17	11		2	UNL	7				83	72	67	59	16	15
19	0	UNL	8				76	67	61	60	21	8		4	UNL	7				75	69	66	74	16	11
22	0	UNL	10				70	63	59	68	20	7		6	UNL	8				75	66	60	60	19	8
JUN 4th																									
JUN 5th																									
JUN 6th																									
01	0	UNL	15				55	51	48	77	18	8		0	UNL	10				66	61	58	76	20	6
04	0	UNL	12				51	49	47	86	20	4		6	UNL	7				65	63	61	87	18	8
07	0	UNL	10				60	54	49	67	23	8		0	UNL	6			H	68	64	62	81	19	8
10	0	UNL	15				71	60	52	51	19	13		0	UNL	7				80	69	63	56	19	13
13	7	39	10				74	65	60	62	16	15		0	UNL	7				85	72	65	51	24	8
16	3	UNL	10				77	68	62	60	17	11		2	UNL	7				83	72	67	59	16	15
19	0	UNL	8				76	67	61	60	21	8		4	UNL	7				75	69	66	74	16	11
22	0	UNL	10				70	63	59	68	20	7		6	UNL	8				75	66	60	60	19	8
JUN 7th																									
JUN 8th																									
JUN 9th																									
01	10	20	10				74	72	71	90	16	7		10	7	5			F	73	70	69	87	10	6
04	9	18	10				72	71	70	94	09	6		6	10	6	4			73	71	70	90	09	4
07	10	23	7				74	71	70	87	04	5		10	6	2			F	75	74	73	94	21	6
10	8	22	7				77	72	70	79	06	10		4	UNL	7				83	75	72	70	24	10
13	9	31	7				79	72	69	72	08	11		10	36	7				87	75	70	57	28	10
16	7	41	7				80	73	70	72	09	7		8	100	7				86	78	74	68	23	6
19	5	UNL	6			H	78	73	70	77	06	7		8	UNL	7				83	74	69	63	33	7
22	10	11	8				74	70	68	82	06	6		2	UNL	10				76	72	70	82	24	4
JUN 10th																									
JUN 11th																									
JUN 12th																									
01	0	UNL	15				60	55	51	72	33	4		10	100	10				72	64	58	62	19	10
04	0	UNL	12				58	51	44	60	03	4		10	100	10				71	63	58	64	20	7
07	0	UNL	15				65	55	47	52	06	5		6	100	10				74	67	62	66	20	12
10	1	UNL	15				74	60	49	41	16	8		0	UNL	9				82	71	65	57	25	15
13	5	UNL	15				78	64	54	44	17	9		3	UNL	5				89	75	69	52	25	12
16	10	UNL	15				81	67	58	46	19	13		2	UNL	4				91	76	69	49	20	12
19	10	250	15				73	62	55	53	16	9		10	39	4				73	70	69	87	34	14
22	7	250	12				72	64	58	62	20	10		10	250	3			H	75	73	72	90	18	4
JUN 13th																									
JUN 14th																									
JUN 15th																									
01	10	7	7				60	59	58	93	05	8		0	UNL	8				62	60	59	90	31	5
04	10	9	6			F	59	58	57	93	03	5		0	UNL	7				61	59	58	90	30	5
07	10	5	2		8	F	60	59	59	97	01	4		0	UNL	4			H	68	64	61	78	30	8
10	10	10	6			F	67	64	62	84	24	4		1	UNL	6				76	68	63	64	31	8
13	10	44	5			H	76	68	64	67	30	10		4	UNL	7				81	69	62	53	32	7
16	8	60	5			H	76	68	64	67	29	8		7	55	7				82	70	64	55	24	10
19	0	UNL	8				74	67	62	66	31	6		0	UNL	7				78	69	64	62	24	4
22	0	UNL	8				68	64	61	78	28	7		0	UNL	7				72	70	69	90	14	4
JUN 16th																									
JUN 17th																									
JUN 18th																									
01	0	UNL	6			F	75	73	72	90	18	9		10	120	5			H	80	74	71	74	26	10
04	0	UNL	6			F	71	70	69	93	18	7		9	95	4			F	69	68	67	93	28	7
07	10	14	5			F	73	71	70	90	21	8		6	UNL	20				65	58	53	65	34	17
10	10	19	7				77	72	70	79	22	12		1	UNL	20				69	57	47	46	33	13
13	4	UNL	6			H	84	76	72	67	23	11		0	UNL	20				72	59	48	43	32	16
16	4	UNL	7				87	76	71	59	22	15		0	UNL	20				74	59	47	38	29	14
19	0	UNL	7				81	74	70	69	22	10		0	UNL	15				71	56	42	35	34	10
22	6	250	7				81	74	71	72	26	9		0	UNL	15				63	55	49	61	27	6

OBSERVATIONS AT 3-HOUR INTERVALS

JUN 1986 13781
WILMINGTON, DELAWARE

WILMINGTON, DELAWARE																																	
HOUR L.S.T.	SKY COVER (TENTHS)		CELLING IN HUNDREDS OF FEET		VISI-BILITY		WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	CELLING IN HUNDREDS OF FEET		VISI-BILITY		WEATHER	TEMPERATURE				WIND									
	HOURS	MINUTES	WHOLE MILES	16THS MILE	AIR OF	WET BULB OF		DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	HOURS	MINUTES		WHOLE MILES	16THS MILE	AIR OF	WET BULB OF		DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	HOURS	MINUTES	WHOLE MILES	16THS MILE	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)
JUN 19th																																	
01	0	UNL	15		58	54	51	78	28	6	2	UNL	8		68	65	63	84	09	4	0	UNL	10		61	58	55	81	32	5			
04	0	UNL	12		55	52	49	80	32	6	10	75	7		66	64	62	87	32	7	0	UNL	10		59	56	54	84	36	6			
07	3	UNL	12		63	56	50	63	18	4	10	50	4	H	67	64	62	84	22	8	0	UNL	15		68	55	44	42	05	12			
10	3	UNL	15		73	57	44	36	29	7	10	70	6		74	67	63	69	33	10	0	UNL	20		74	57	42	32	05	7			
13	4	UNL	15		78	61	48	35	32	5	5	UNL	8		81	69	62	53	02	10	6	UNL	20		78	60	45	31	36	7			
16	5	UNL	15		79	62	49	35	22	6	4	UNL	10		81	65	54	39	01	12	0	UNL	20		79	59	41	26	07	9			
19	10	85	15		75	64	57	54	16	6	2	UNL	15		76	63	53	45	04	10	8	UNL	15		75	60	48	39	16	10			
22	10	70	10		73	63	57	57	08	6	1	UNL	15		70	60	53	55	05	7	8	UNL	15		66	57	49	55	16	9			
JUN 20th																																	
JUN 21st																																	
JUN 22nd																																	
01	2	UNL	15		61	58	56	84	00	0	3	UNL	8		67	64	62	84	19	7	3	UNL	12		69	64	61	76	31	5			
04	0	UNL	15		59	56	53	81	08	4	2	UNL	7		66	64	63	90	18	7	7	UNL	12		68	65	63	84	32	3			
07	3	UNL	12		66	59	54	65	30	4	10	95	4	RWF	69	67	66	90	22	4	10	55	6	TRW	71	66	63	76	30	8			
10	4	UNL	15		75	64	57	54	20	6	10	85	7		80	71	67	65	25	10	10	95	8		73	70	68	84	27	6			
13	3	UNL	20		80	69	62	54	18	5	5	UNL	8		88	72	64	45	28	15	9	200	8		80	72	68	67	24	8			
16	5	UNL	12		79	69	63	58	17	12	2	UNL	12		89	69	58	35	30	14	4	UNL	10		86	67	56	36	29	17			
19	6	UNL	12		74	66	61	64	18	11	3	UNL	12		83	69	61	48	29	6	1	UNL	15		78	61	49	36	30	11			
22	6	UNL	10		70	68	66	87	16	5	3	UNL	12		76	66	59	56	31	4	0	UNL	15		67	58	50	55	33	7			
JUN 23rd																																	
JUN 24th																																	
JUN 25th																																	
01	0	UNL	15		63	55	47	56	31	12	0	UNL	15		55	51	48	77	33	6	2	UNL	9		66	60	56	70	27	3			
04	0	UNL	15		57	52	47	69	31	8	0	UNL	15		53	50	46	77	36	3	6	110	9		66	61	58	76	17	4			
07	7	UNL	15		62	55	49	63	33	11	10	250	12		62	53	44	52	12	6	6	110	7		69	65	63	81	24	5			
10	6	200	15		66	54	43	43	36	10	8	250	15		73	61	51	46	16	9	1	UNL	5		80	72	68	67	23	9			
13	0	UNL	15		71	56	42	35	31	12	1	UNL	15		78	61	48	35	30	9	3	UNL	4		86	73	67	53	23	13			
16	0	UNL	15		74	57	42	32	31	15	8	UNL	15		79	63	51	38	20	8	10	230	8		88	69	57	35	23	12			
19	1	UNL	15		71	56	42	35	33	9	4	UNL	10		76	63	53	45	20	6	9	250	7		84	72	66	55	21	7			
22	0	UNL	15		63	54	45	52	29	3	3	UNL	10		70	62	56	61	20	6	10	70	6	H	81	74	70	69	21	10			
JUN 26th																																	
JUN 27th																																	
JUN 28th																																	
01	10	110	7		81	71	65	58	26	12	7	250	7		74	70	67	79	23	5	10	70	10		71	59	50	48	01	14			
04	10	120	8		76	64	55	48	26	8	10	90	7		73	70	69	87	24	5	6	75	12		63	57	52	68	34	4			
07	10	95	6		75	70	67	76	24	5	8	70	4		77	73	71	82	25	11	6	UNL	15		67	60	55	66	30	6			
10	10	95	4	H	79	72	69	72	29	8	1	UNL	4		84	73	67	57	31	10	10	UNL	15		75	62	53	46	33	7			
13	10	110	6	H	83	72	67	59	23	10	2	UNL	5		89	71	62	41	32	12	10	UNL	15		80	62	49	34	30	13			
16	10	250	10		83	73	68	61	24	7	10	UNL	12		89	68	56	33	31	15	10	130	15		76	62	52	43	33	7			
19	8	UNL	10		82	73	69	65	24	9	7	UNL	15		83	65	52	34	31	12	9	130	15		72	58	47	41	35	10			
22	4	UNL	7		76	71	69	79	26	5	6	UNL	15		76	63	54	47	25	4	7	85	12		67	58	51	57	31	7			
JUN 29th																																	
JUN 30th																																	

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	AVERAGES						RESULTANT WIND	
		STATION PRESSURE (INCHES)	TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
			AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	4	29.890	67	62	59	76	7.6	27	2.1
04	4	29.890	64	61	58	81	6.2	31	1.3
07	6	29.920	68	63	59	74	8.6	28	2.6
10	5	29.920	75	65	59	59	11.2	27	2.9
13	5	29.890	80	67	59	50	12.1	28	4.0
16	5	29.865	80	67	57	48	13.3	24	4.5
19	4	29.870	76	65	57	55	10.0	27	1.9
22	4	29.900	70	64	59	68	7.7	22	2.4

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

JUN 1986
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																									03
04																									04
05																									05
06																									06
07													0.01	0.64	0.01		T								07
08																									08
09																									09
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11																									11
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17	T	0.02	0.02	T																					17
18																									18
19																									19
20						T	0.14																		20
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26																									26
27																									27
28																									28
29																									29
30																									30

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.29	0.52	0.71	0.86	1.11	1.50	1.92	2.08	2.21	2.34	2.34	2.38
ENDED: DATE	11	11	11	11	11	11	11	11	11	11	11	11
ENDED: TIME	1934	1934	1937	1935	1937	1948	1955	2015	2034	2038	2038	2038

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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