

SEP 1986
 WILMINGTON, DE
 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

SEP 1986
 WILMINGTON, DE

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)						
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING ISEASON BEGINS WITH JULY	COOLING ISEASON BEGINS WITH JANU			WATER EQUIVALENT (INCHES)	SNOW, ICE PELLETS (INCHES)		RESULTANT DIR.	RESULTANT SPEED	AVERAGE SPEED	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	NOONLIGHT TO MIDNIGHT	DATE				
1	2	3	4	5	6	7A	7B	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
01	74	53	64	-8	55	1	0	0	0	0.01	0.0	30.170	18	4.0	6.3	12	18			9	8	01		
02	69	61	65	-7	62	0	0	1	0	0.32	0.0	30.140	23	4.0	5.0	9	20			10	10	02		
03	75	65	70	-2	63	0	5	1	8	0	0	30.130	09	4.2	5.3	9	10			10	10	03		
04	78	64	71	0	65	0	6	1	8	0	0.17	0.0	30.040	09	8.0	8.8	15	05			9	9	04	
05	76	67	72	1	68	0	7	1	8	0	0.08	0.0	29.870	17	7.8	9.1	15	17			10	10	05	
06	80	60	70	-1	61	0	5	1	8	0	0.00	0.0	29.850	31	6.1	6.9	15	29			4	4	06	
07	77	55	66	-5	54	0	1	0	0	0.00	0.0	29.950	33	5.5	6.9	13	32			6	5	07		
08	71	49	60	-10	51	5	0	0	0	0	T	0.0	30.100	32	6.1	7.0	13	33			5	5	08	
09	75	46	61	-9	45	4	0	0	0	0.00	0.0	30.220	26	3.8	6.6	9	19			0	0	09		
10	76	50	63	-7	57	2	0	0	8	0	0.00	0.0	30.150	20	7.7	8.9	16	21			6	5	10	
11	85	63	74	4	67	0	9	1	8	0	0.00	0.0	29.925	21	10.1	11.2	21	22			7	6	11	
12	85	67	76	7	65	0	11	1	0	0	T	0.0	29.740	26	9.4	13.1	20	28			8	5	12	
13	77	55	66	-3	49	0	0	0	0	0.00	0.0	30.030	32	7.8	8.6	14	32			0	1	13		
14	73	53	63	-6	45	2	0	0	0	0.00	0.0	30.190	33	7.1	8.4	15	04			1	1	14		
15	79	54	67	-1	57	0	2	0	0	0.00	0.0	30.100	21	5.5	7.1	14	23			9	8	15		
16	70	50	60	-8	44	5	0	0	0	0.00	0.0	30.120	34	11.0	14.7	22	35			1	3	16		
17	67	43	55*	-13	40	10	0	0	0	0.00	0.0	30.320	27	0.4	7.6	12	18			0	0	17		
18	72	43*	58	-9	51	7	0	1	0	0.04	0.0	30.220	18	6.1	8.0	18	18			8	7	18		
19	73	58	66	-1	61	0	1	1	8	0	T	0.0	30.090	31	3.6	6.9	13	32			10	8	19	
20	76	54	65	-2	60	0	0	1	8	0	0.00	0.0	30.090	18	2.9	6.2	12	18			6	5	20	
21	80	63	72	6	62	0	7	1	8	0	0.00	0.0	30.095	02	5.7	8.3	16	04			7	8	21	
22	70	60	65	-1	58	0	0	0	8	0	0.00	0.0	30.110	15	6.9	8.9	13	17			10	10	22	
23	88	65	77	12	67	0	12	1	3	8	1.45	0.0	29.790	23	5.9	9.8	17	22			9	9	23	
24	80	68	74	9	69	0	9	1	8	0	T	0.0	29.790	25	3.9	6.0	12	16			10	10	24	
25	77	66	72	7	64	0	7	1	8	0	0.05	0.0	29.950	04	2.4	5.6	12	04			10	9	25	
26	89*	63	76	12	68	0	11	1	3	8	0	T	0.0	29.960	26	3.4	5.8	13	27			2	5	26
27	71	60	66	2	63	0	1	1	3	0	0.63	0.0	29.990	06	6.9	8.5	15	10			10	10	27	
28	69	60	65	1	58	0	0	0	0	0.00	0.0	30.170	13	5.0	7.3	12	16			10	10	28		
29	81	65	73	10	66	0	8	1	0	0.00	0.0	30.150	19	7.7	8.1	14	17			5	7	29		
30	87	68	78*	15	70	0	13	1	8	0	0.00	0.0	29.990	22	9.2	9.7	16	25			1	1	30	
SUM	SUM					TOTAL	TOTAL		NUMBER OF DAYS	TOTAL	TOTAL			FOR THE MONTH:			TOTAL	%	SUM	SUM				
2300	1748					36	116			2.75	0.0	30.050	24	1.7	8.0	22	35			FOR	194	189		
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.			PRECIPITATION		DEP.				DATE: 16	POSSIBLE				MONTH	AVG.	AVG.			
76.7	58.3	67.5	-0.4	58.9	0		-7	> .01 INCH	8	-0.84										6.5	6.3			
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.		MINIMUM TEMP.				63	118	THUNDERSTORMS		3		PRECIPITATION		SNOW, ICE PELLETS										
> 90°	< 32°	< 32°	< 0°			DEP.	DEP.	HEAVY FOG		0		1.45		23-24		0.0								
0	0	0	0			27	115	CLEAR		7		PARTLY CLOUDY		8		CLOUDY		15						

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
 † 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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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

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NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

Kenneth D. Walden
 DIRECTOR
 NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

SEP 1986
WILMINGTON, DE

13781

HOUR L.S.T.	VISI-BILITY			TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY			WEATHER	TEMPERATURE				WIND										
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/8THS MILE	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/8THS MILE		AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)									
SEP 1st																													
01	5	UNL	10	59	55	51	75	30	3	10	44	7	R	63	62	62	97	25	4	10	41	7	F	65	64	63	93	00	0
04	3	UNL	10	56	54	52	87	00	0	10	20	5	RF	61	60	60	97	31	5	10	41	7	F	66	64	64	97	36	3
07	7	250	8	59	56	54	84	36	3	10	34	1	RF	62	61	61	97	00	0	10	34	5	F	66	64	63	90	05	4
10	8	150	12	70	61	55	59	18	8	10	7	2	RF	65	64	63	93	23	4	10	55	7	F	70	66	63	79	01	5
13	8	UNL	12	71	61	53	53	17	7	10	13	7		68	64	62	81	25	4	10	48	7	F	73	66	62	69	11	6
16	10	70	12	71	62	55	57	18	9	10	80	8		69	65	63	81	18	7	10	80	7	H	75	68	63	66	09	7
19	10	110	12	68	63	59	73	19	7	10	41	9		66	64	63	90	19	6	10	39	6	H	70	67	65	84	13	7
22	10	95	7	64	62	61	90	29	5	10	34	8		65	64	63	93	23	4	7	75	7	H	66	64	63	90	10	6
SEP 2nd																													
SEP 3rd																													
SEP 4th																													
SEP 5th																													
SEP 6th																													
SEP 7th																													
SEP 8th																													
SEP 9th																													
SEP 10th																													
SEP 11th																													
SEP 12th																													
SEP 13th																													
SEP 14th																													
SEP 15th																													
SEP 16th																													
SEP 17th																													
SEP 18th																													

WEATHER CODES

- * TORNADO
- T THUNDERSTORM
- Q SQUALL
- R RAIN
- RW RAIN SHOWERS
- ZR FREEZING RAIN
- L DRIZZLE
- ZL FREEZING DRIZZLE
- S SNOW
- SW SNOW SHOWERS
- SG SNOW GRAINS
- SP SNOW PELLETS
- IC ICE CRYSTALS
- IP ICE PELLETS
- IPW ICE PELLET SHOWERS
- A HAIL
- F FOG
- IF ICE FOG
- GF GROUND FOG
- BD BLOWING DUST
- BN BLOWING SAND
- BS BLOWING SNOW
- BY BLOWING SPRAY
- K SMOKE
- H HAZE
- D DUST

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

SEP 1986
WILMINGTON, DE 13781

HOUR L.S.T.	SKY COVER (TENTHS)			WEATHER	TEMPERATURE				WIND			SKY COVER (TENTHS)	SKY COVER (TENTHS)			WEATHER	TEMPERATURE				WIND																																												
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE		AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	CEILING IN HUNDREDS OF FEET		WHOLE MILES	16THS MILE	AIR OF		WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																												
SEP 19th																						SEP 20th																						SEP 21st																					
01	10	48	6	F	62	61	61	97	17	7	0	UNL	6	F	58	57	57	97	32	4	9	55	4	F	65	64	64	97	33	5																																			
04	10	34	6	F	63	62	61	93	20	5	0	UNL	3	F	55	55	54	97	33	5	10	6	2	F	65	64	63	93	00	0																																			
07	10	24	2	F	63	62	62	97	22	4	1	UNL	2	F	57	56	56	97	27	4	10	3	1	F	68	67	67	97	25	5																																			
10	10	19	2	F	65	64	63	93	32	6	1	UNL	2	F	69	63	59	71	12	4	9	19	4	F	74	68	65	74	04	11																																			
13	10	19	5	H	73	67	63	71	33	10	10	75	5	H	73	66	61	66	16	8	8	85	5	H	78	69	63	60	36	9																																			
16	10	26	6	H	71	65	61	71	32	8	3	UNL	6	H	75	68	64	69	18	10	2	UNL	7	7	H	77	67	61	58	36	12																																		
19	3	UNL	6	H	66	62	60	81	35	6	10	48	6	H	69	66	64	84	17	9	6	UNL	9	9	H	70	63	59	68	03	7																																		
22	3	UNL	6	F	60	59	59	97	30	6	3	UNL	5	F	67	66	65	93	18	6	10	15	8	F	66	62	59	78	08	5																																			
SEP 22nd																						SEP 23rd																						SEP 24th																					
01	10	16	10		63	57	81	08	5	5	10	11	8		65	63	62	90	18	7	10	90	3	F	69	68	68	97	33	5																																			
04	8	34	8		61	59	87	08	5	10	14	7		65	64	63	93	20	7	7	10	50	4	F	69	68	68	97	25	5																																			
07	8	250	5	H	60	58	87	09	9	10	6	2		67	66	65	93	21	9	10	70	2	8	F	69	68	68	97	27	3																																			
10	10	48	7		66	61	76	16	7	3	UNL	3		75	70	67	76	22	10	10	30	2	8	RWF	72	71	70	94	30	7																																			
13	10	39	8		69	62	66	22	8	7	250	5		85	73	67	55	23	10	10	31	5	8	H	79	74	72	79	22	5																																			
16	10	32	8		68	62	68	16	10	10	130	6		83	72	67	59	22	15	10	70	6	6	H	78	73	71	79	28	3																																			
19	10	34	10		67	63	60	78	17	11	10	32	3		72	71	71	97	01	7	10	70	7	7	H	76	71	69	79	25	5																																		
22	10	25	10		66	62	60	81	17	10	10	70	4		70	70	70	100	01	4	10	70	7	7	F	73	70	69	87	20	3																																		
SEP 25th																						SEP 26th																						SEP 27th																					
01	5	UNL	7		71	70	69	93	27	5	10	250	3		67	65	63	87	00	0	8	150	7		70	69	69	97	35	5																																			
04	7	95	7		70	68	67	90	36	5	4	UNL	3		64	63	63	97	00	0	8	250	5		F	69	68	68	97	03	5																																		
07	10	110	6	RWH	70	66	64	81	01	3	7	250	2		65	65	65	100	00	0	10	36	5		F	70	69	69	97	06	5																																		
10	10	85	7		73	66	61	66	06	5	0	UNL	4		75	70	67	76	21	7	10	5	5		F	71	70	70	97	08	8																																		
13	10	55	7		75	66	61	62	08	4	0	UNL	6		87	77	72	61	27	11	10	11	1	8	RWF	64	63	62	93	08	9																																		
16	10	34	7		73	66	61	66	10	6	0	UNL	7		88	77	72	59	24	7	10	10	8		H	62	60	59	90	07	11																																		
19	10	39	3	FH	66	65	64	93	06	7	8	250	7		82	75	72	72	24	6	10	11	8		H	60	59	58	93	09	7																																		
22	10	39	3	FH	67	65	63	87	00	0	8	70	7		73	71	70	90	36	6	10	20	8		H	60	58	56	87	08	8																																		
SEP 28th																						SEP 29th																						SEP 30th																					
01	10	23	7		61	58	56	84	08	6	10	23	10		66	63	61	84	18	5	2	UNL	5		F	68	67	67	97	20	6																																		
04	10	25	10		61	57	54	78	06	5	10	17	10		65	63	61	87	18	5	0	UNL	4		F	69	69	69	100	18	6																																		
07	10	28	10		61	58	55	81	04	5	10	22	10		66	64	62	87	21	7	3	UNL	4		F	69	68	68	97	19	6																																		
10	10	22	10		64	60	57	78	12	6	10	19	10		72	68	66	82	23	6	0	UNL	7		F	78	73	70	77	24	11																																		
13	10	31	10		68	62	58	71	16	7	7	31	8		80	71	67	65	21	10	0	UNL	7		F	85	75	71	63	23	10																																		
16	10	22	10		69	64	61	76	16	6	0	UNL	8		76	71	68	76	17	12	0	UNL	7		H	87	76	71	59	22	10																																		
19	10	32	8		68	64	61	78	17	6	2	UNL	7		71	70	69	93	16	5	1	UNL	6		H	80	74	71	74	21	7																																		
22	10	28	8		66	64	62	87	17	6	4	UNL	7		71	69	68	90	20	10	0	UNL	7		H	77	73	71	82	22	10																																		

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	6	30.050	63	60	59	87	6.1	27	1.8
04	6	30.040	62	60	58	89	5.4	29	1.4
07	7	30.070	63	60	58	87	6.2	32	1.1
10	6	30.085	70	64	59	70	9.3	23	1.3
13	6	30.050	74	65	59	60	9.5	24	3.1
16	6	30.015	74	65	59	60	11.0	23	3.5
19	6	30.030	69	63	60	74	8.1	20	2.0
22	6	30.050	65	62	59	83	7.8	22	1.7

