

SEP 1992
WILMINGTON, DE
NAT'L WEA SER OFC
AIRPORT TERMINAL BLDG

ISSN 0198-117X

LOCAL CLIMATOLOGICAL DATA

Monthly Summary



GREATER WILMINGTON AIRPORT

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

SEP 1992
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 MINUTES	SKY COVER (TENTHS)								
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEN POINT			HEATING (SEASON BEGINS WITH JUL)	COOLING (SEASON BEGINS WITH JAN)		WATER EQUIVALENT (INCHES)	SNOW, ICE PELLETS (INCHES)	RESULTANT DIR.	RESULTANT SPEED		AVERAGE SPEED	PEAK GUST	FASTEST 1-MIN	PERCENT OF TOTAL POSSIBLE	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	23	
01	79	56	68	-4	53	0	3		0	0.00	0.0	30.070	30	4.5	6.2	17	NW	10	33			1	1	
02	76	58	67	-5	59	0	2		0	0.00	0.0	30.120	13	4.4	7.2	16	S	10	07			8	8	
03	83	69	76	4	70	0	11	3	8	0.74	0.0	30.000	21	8.5	9.2	30	SW	17	22			10	9	
04	85	68	77	6	70	0	12	2	8	0.00	0.0	30.090	12	1.3	4.0	10	E	7	08			8	8	
05	77	67	72	1	67	0	7	1	8	0.00	0.0	30.250	09	8.9	9.4	17	E	13	11			10	10	
06	69	66	68	-3	65	0	3	1		0.38	0.0	30.240	08	8.0	8.3	16	E	13	09			10	10	
07	78	67	73	2	69	0	8	1		0.10	0.0	30.160	11	3.3	4.8	12	S	8	17			10	10	
08	82	68	75	5	71	0	10	1		0.0	0.0	30.040	17	3.8	5.3	17	S	12	18			6	8	
09	85	70	78	8	73	0	13	1	8	0.00	0.0	30.015	17	4.4	5.2	16	S	13	17			7	7	
10	86	69	78	8	72	0	13	1		0.26	0.0	29.935	19	8.0	9.4	28	NW	16	19			7	8	
11	78	57	68	-2	58	0	3	1		0.02	0.0	30.020	35	8.8	9.3	21	N	17	36			6	6	
12	74	52	63	-6	49	2	0			0.00	0.0	30.220	35	7.1	8.0	21	N	14	01			0	0	
13	75	50	63	-6	52	2	0			0.00	0.0	30.255	09	2.0	5.2	13	SE	9	12			6	3	
14	75	53	64	-5	55	2	0			0.00	0.0	30.245	16	1.0	4.7	13	SE	8	20			3	2	
15	77	53	65	-3	59	0	0			0.00	0.0	30.230	19	1.4	5.5	14	S	9	16			2	2	
16	82	60	71	3	62	0	6	2	8	0.00	0.0	30.140	23	3.6	4.6	13	S	10	27			2	3	
17	85	60	73	5	63	0	8	2	8	0.00	0.0	30.005	24	5.1	5.5	16	W	10	25			1	1	
18	87	65	76	9	67	0	11	2	8	0.0	0.0	29.855	21	7.1	7.7	24	SW	16	22			9	8	
19	77	58	68	1	59	0	3			0.0	0.0	29.840	33	4.5	9.4	25	N	15	34			9	8	
20	77	51	64	-3	52	1	0			0.00	0.0	30.020	10	3.4	6.8	16	S	14	07			3	2	
21	75	62	69	3	64	0	4	1		0.0	0.0	29.980	13	6.2	6.5	20	SE	14	14			10	10	
22	87*	70	79*	13	71	0	14	1	3	0.32	0.0	29.760	20	6.7	9.5	25	NW	18	30			9	9	
23	70	50	60	-5	46	5	0			0.00	0.0	30.050	36	14.6	15.0	32	N	21	35			2	3	
24	64	46	55	-10	41	10	0			0.00	0.0	30.320	05	12.0	12.9	24	NE	18	05			1	2	
25	62	50	56	-9	53	9	0	1		1.96	0.0	30.190	04	16.1	16.3	35	NE	23	05			10	10	
26	70	60	65	1	61	0	0	1		0.34	0.0	30.040	17	5.5	9.1	29	NE	21	05			9	9	
27	73	62	68	4	68	0	3	2		0.16	0.0	29.970	22	4.2	5.6	18	SH	14	19			10	10	
28	68	61	65	1	61	0	0	1		0.02	0.0	30.000	31	1.6	4.8	10	NW	8	35			10	10	
29	64	44	54	-9	45	11	0	1		0.00	0.0	30.020	34	11.4	12.4	31	N	22	33			1	3	
30	58	39*	49*	-14	38	16	0			0.00	0.0	30.100	33	8.3	8.8	28	NW	18	33			6	5	
SUM	SUM					TOTAL	TOTAL			TOTAL	TOTAL									TOTAL	%	SUM	SUM	
2278	1761					57	134			4.30	0.0	30.070	05	0.8	7.9	35	NE	23	05			FOR	186	185
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.					DEP.										POSSIBLE	MONTH	AVG.	AVG.	
75.9	58.7	67.3	-0.6	59.6	21	11				0.71												6.2	6.2	
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF										
						TOTAL	TOTAL	≥ .01 INCH					SNOW, ICE PELLETS OR ICE AND DATE											
						58	920	3					0											
MAXIMUM TEMP.						MINIMUM TEMP.		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS												
≥ 90°						≤ 32°		5		2.30		25-26		0.0										
0						0		CLEAR 10		PARTLY CLOUDY 6		CLOUDY 14												

* 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. COLS 16 & 17: PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED. ONE OF TWO WIND SPEEDS IS GIVEN UNDER COLS 18 & 19: 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). ERRORS WILL BE CORRECTED 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

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

Kenneth D. Hader
 DIRECTOR
 NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

SEP 1992
WILMINGTON, DE 13781

HOUR L.S.T.	SKY COVER (TENTHS)			VISI-BILITY	TEMPERATURE				WIND		SKY COVER (TENTHS)			VISI-BILITY	TEMPERATURE				WIND	
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE		AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE		WEATHER	AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION
SEP 1st																				
01	0	UNL	15		61	57	54	78	34	5	0	UNL	10		61	59	58	90	27	5
04	0	UNL	15		57	55	53	87	34	5	4	UNL	10		59	57	56	90	33	4
07	0	UNL	15		61	58	55	81	34	4	7	130	9		65	58	53	65	07	7
10	0	UNL	20		74	61	52	46	32	5	10	50	15		69	60	54	59	12	6
13	2	UNL	20		76	61	49	39	32	9	10	45	15		74	65	59	60	15	6
16	1	UNL	15		77	62	52	42	30	8	10	200	12		74	67	63	69	15	7
19	3	UNL	15		71	61	54	55	22	5	10	45	10		73	67	64	74	09	7
22	0	UNL	10		66	61	57	73	22	5	10	150	10		73	67	64	74	15	8
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																				

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.08	0.16	0.24	0.30	0.42	0.47	0.52	0.55	0.67	0.79	0.94	1.10
ENDED: DATE	03	03	03	03	03	03	03	25	25	25	25	25
ENDED: TIME	1531	1531	1530	1535	1545	1559	1614	2059	2059	2059	2135	2159

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.

OBSERVATIONS AT 3-HOUR INTERVALS

SEP 1992
WILMINGTON, DE

13781

HOUR	L.S.T.	VISI-BILITY			WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY			WEATHER	TEMPERATURE				WIND																																												
		CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE		AIR of	NET BULB of	DEN POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE		AIR of	NET BULB of	DEN POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																											
SEP 19th																						SEP 20th																						SEP 21st																					
01	10	75	10	R	76	71	68	76	20	8	3	UNL	15			56	53	51	83	01	4	7	UNL	15			63	60	57	81	13	6																																	
04	10	110	12		74	71	69	85	21	9	2	UNL	15			52	51	49	90	35	5	10	48	15			64	62	60	87	00	0																																	
07	10	35	15		74	71	70	87	29	8	0	UNL	20			55	52	49	80	36	3	10	48	15			66	63	61	84	12	4																																	
10	10	41	12		68	60	53	59	01	12	2	UNL	20			69	58	50	51	09	8	10	60	12			70	66	63	79	13	9																																	
13	10	200	15		72	62	55	55	32	9	5	UNL	20			74	60	49	41	14	4	10	60	12			75	67	62	64	15	9																																	
16	7	UNL	15		73	62	54	52	35	10	4	UNL	15			75	61	51	43	21	4	10	17	12			73	69	67	82	17	8																																	
19	6	250	10		68	60	53	59	04	4	2	UNL	12			68	62	58	71	15	9	10	12	8			72	69	67	84	12	7																																	
22	3	UNL	10		60	57	54	81	01	6	2	UNL	12			64	59	56	75	14	4	10	5	7			71	70	69	93	12	3																																	
SEP 22nd																						SEP 23rd																						SEP 24th																					
01	10	3	4	F	73	72	72	97	18	6	10	120	10			69	67	66	90	32	10	0	UNL	20			49	44	37	64	02	13																																	
04	10	3	3	F	72	71	71	97	16	7	10	130	15			63	58	54	73	36	13	3	UNL	20			47	43	37	68	03	10																																	
07	10	3	1	F	73	72	72	97	17	8	6	250	20			54	48	41	62	01	14	0	UNL	20			47	43	37	68	02	12																																	
10	10	16	9		78	75	74	88	14	10	2	UNL	20			61	53	45	56	02	15	0	UNL	20			56	49	42	60	05	16																																	
13	9	29	13		85	76	72	65	20	13	1	UNL	20			66	55	45	47	35	11	0	UNL	20			62	51	39	43	06	12																																	
16	8	UNL	9		85	75	70	61	22	13	0	UNL	20			66	54	42	42	36	12	2	UNL	15			63	52	42	46	06	10																																	
19	10	250	8		80	75	72	77	18	7	0	UNL	20			57	50	43	60	35	10	7	UNL	15			56	50	44	64	09	8																																	
22	10	85	6	RWF	70	69	69	97	30	7	1	UNL	20			52	46	39	61	01	11	9	40	15			57	51	44	62	08	9																																	
SEP 25th																						SEP 26th																						SEP 27th																					
01	8	27	15		54	50	45	72	05	9	10	5	1	RF	63	63	63	100	07	15	4	UNL	1	8	F	62	62	62	100	00	0																																		
04	10	23	15		54	50	46	75	03	12	10	11	7	L	64	63	63	97	15	14	10	27	1	8	F	63	63	63	100	00	0																																		
07	10	41	15		51	48	45	80	03	13	10	7	5	R	60	59	59	97	18	10	10	5	1	8	F	66	66	66	100	17	5																																		
10	10	17	12		56	52	49	78	05	12	10	9	7		61	60	59	93	20	10	10	9	1	8	F	70	69	68	93	17	7																																		
13	10	12	5		56	55	54	93	04	13	10	17	10		64	61	59	84	23	12	10	5	1	8	F	71	71	71	100	22	9																																		
16	10	9	4		59	58	58	97	04	14	2	UNL	12			69	64	60	73	21	4	10	9	2	F	73	72	71	94	23	7																																		
19	10	10	2		60	59	59	97	05	12	10	UNL	12			65	62	60	84	12	3	10	65	8			70	70	70	100	25	6																																	
22	10	7	2	8	59	59	59	100	04	15	10	33	7			64	63	62	93	00	0	10	65	3	F	69	69	69	100	27	3																																		
SEP 28th																						SEP 29th																						SEP 30th																					
01	10	75	4	F	67	67	67	100	34	7	10	3	1	12	F	61	61	61	100	24	5	0	UNL	15			42	41	39	89	33	6																																	
04	9	60	10		65	63	61	87	01	6	6	110	4			58	58	58	100	30	7	0	UNL	10			41	39	37	86	29	4																																	
07	10	60	12		63	61	60	90	33	4	5	UNL	12			56	53	51	83	34	12	2	UNL	15			42	41	39	89	30	6																																	
10	10	120	12	R	66	61	58	76	36	3	2	UNL	15			60	52	44	56	33	17	0	UNL	20			53	46	37	55	36	12																																	
13	10	120	12	R	66	61	57	73	18	4	0	UNL	20			64	53	43	47	33	16	7	55	20			57	48	37	47	34	15																																	
16	10	120	10		63	62	61	93	22	5	0	UNL	20			63	51	38	40	34	12	7	60	15			54	45	35	49	33	14																																	
19	10	70	8		63	62	62	97	27	4	0	UNL	15			52	45	37	57	35	6	8	70	15			51	45	38	61	35	7																																	
22	10	75	8		62	61	61	97	22	5	0	UNL	15			47	43	39	74	01	4	10	75	15			47	44	41	80	30	3																																	

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).

SUMMARY BY HOURS

HOUR	L.S.T.	AVERAGES						RESULTANT WIND	
		SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	TEMPERATURE			WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
				AIR TEMP of	NET BULB of	DEN POINT of			
01	6	30.060	64	62	60	90	6.7	02	1.6
04	7	30.060	62	61	59	91	6.3	01	1.9
07	7	30.100	63	61	59	88	6.7	02	2.4
10	6	30.110	70	64	60	71	9.0	07	2.3
13	6	30.080	74	65	59	63	10.5	19	1.5
16	5	30.050	74	65	59	64	9.9	23	1.7
19	6	30.050	69	64	60	75	7.0	14	1.4
22	5	30.080	65	62	60	85	6.1	09	0.7

