

# LOCAL CLIMATOLOGICAL DATA Monthly Summary



GREATER WILMINGTON AIRPORT

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

OCT 1991  
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 (SEASON BEGINS WITH JUL)	COOLING (SEASON BEGINS WITH JAN)			WATER EQUIVALENT (INCHES)	SNOW, ICE PELLETS (INCHES)		RESULTANT DIR.	RESULTANT SPEED	AVERAGE SPEED	PEAK GUST	DIRECTION	FASTEST 1-MIN	DIRECTION	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT
01	77	51	64	2	58	1	0		0	0.00	0.0	30.120	19	5.5	6.3	20	SW	13	17			6	5
02	80	61	71	9	62	0	6	1	0	0.00	0.0	29.990	19	6.9	7.5	23	SW	14	17			6	6
03	79	63	71	10	62	0	6	1	8	0	0.0	29.860	22	2.6	4.9	13	SW	9	24			6	5
04	83*	57	70	9	63	0	5	1	8	0.00	0.0	29.970	17	3.4	5.2	15	SE	10	17			2	1
05	79	63	71*	11	66	0	6	1	0	0.00	0.0	29.930	16	8.6	8.9	22	SE	14	14			7	6
06	71	44	58	-2	47	7	0	0	0	0.01	0.0	29.860	31	9.5	11.5	30	NW	21	32			10	7
07	60	40	50	-10	34	15	0	0	0	0.00	0.0	30.020	30	8.7	9.6	28	NW	18	29			3	2
08	64	37	51	-8	36	14	0	0	0	0.00	0.0	30.220	25	6.1	7.5	17	SW	15	24			0	0
09	70	43	57	-2	47	8	0	0	0	0.00	0.0	30.220	20	6.0	7.9	22	SW	16	24			4	2
10	74	47	61	3	51	4	0	1	0	0.00	0.0	29.945	22	6.0	7.3	25	SW	16	25			6	4
11	62	49	56	-2	52	9	0	1	8	0.16	0.0	29.625	33	2.7	6.3	32	NW	22	33			10	9
12	64	41	53	-5	45	12	0	2	0	0.01	0.0	29.670	31	4.6	5.8	15	NW	8	33			3	3
13	62	42	52	-5	42	13	0	1	0	0	0.0	29.890	32	7.4	8.1	22	NW	16	01			6	5
14	62	38	50	-7	42	15	0	0	0	0.00	0.0	30.020	17	4.1	7.1	22	S	14	17			7	4
15	66	55	61	4	60	4	0	2	0	0.33	0.0	29.800	15	7.2	8.4	21	S	16	18			10	10
16	64	51	58	2	45	7	0	1	0	0	0.0	29.850	36	12.8	13.1	26	NW	20	33			7	8
17	52	45	49	-7	44	16	0	1	0	0.76	0.0	29.770	35	15.7	17.0	39	N	26	35			10	10
18	72	47	60	5	44	5	0	0	0	0.00	0.0	29.990	27	7.1	7.5	18	NW	15	30			1	2
19	77	46	62	7	46	3	0	0	0	0.00	0.0	29.950	33	6.4	9.1	33	N	22	32			3	3
20	54	35	45	-10	32	20	0	0	0	0.00	0.0	30.170	33	7.1	7.8	20	N	12	31			0	1
21	58	32*	45*	-9	37	20	0	0	0	0.00	0.0	30.180	19	2.4	5.3	16	S	12	18			7	4
22	69	38	54	0	46	11	0	1	0	0.00	0.0	30.150	21	1.6	3.5	10	S	9	23			0	0
23	70	46	58	4	53	7	0	2	8	0.00	0.0	30.265	16	2.8	4.3	15	S	10	17			4	3
24	71	53	62	9	56	3	0	2	8	0.00	0.0	30.320	10	2.2	3.8	12	S	8	15			8	7
25	68	57	63	10	59	2	0	2	8	0.00	0.0	30.270	13	3.0	4.5	13	S	10	16			7	8
26	72	57	65	12	59	0	0	2	8	0.00	0.0	30.200	17	2.4	2.9	8	S	8	15			10	9
27	73	56	65	13	59	0	0	2	8	0.00	0.0	30.080	28	1.6	3.2	9	NW	7	31			7	6
28	67	47	57	5	42	8	0	1	0	0.00	0.0	30.170	02	12.8	13.6	30	NE	21	02			3	3
29	59	36	48	-4	26	17	0	0	0	0.00	0.0	30.410	03	8.9	10.1	22	NE	15	03			0	0
30	68	35	52	1	27	13	0	0	0	0.00	0.0	30.090	35	10.8	11.6	26	N	18	01			0	0
31	64	46	55	4	45	10	0	0	0	0.00	0.0	29.920	01	12.7	13.0	31	NE	20	03			4	3
SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:								TOTAL	%	SUM	SUM	
2111	1458				244	23			1.27	0.0	30.030	32	1.8	7.8	39	N	26	35			FOR	157	136
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	PRECIPITATION		DEP.							DATE: 17	DATE: 17	POSSIBLE			MONTH	AVG.	AVG.
68.1	47.0	57.6	1.3	47.8	-38	11	≥ .01 INCH		5	-1.62											5.1	4.4	
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.		MINIMUM TEMP.		308		1406		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS											
≥ 90°		≤ 32°		≤ 32°		≤ 0°		HEAVY FOG		7		0.76		17		0.0							
0		0		1		0		-10		391		CLEAR		11		PARTLY CLOUDY		14		CLOUDY		6	

\* 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.

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NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

*Kenneth D. Haden*  
DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

OCT 1991  
WILMINGTON, DE 13781

HOUR L. S. T.	SKY COVER (TENTHS)			VISI-BILITY		TEMPERATURE			WIND		WEATHER	TEMPERATURE			WIND		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)		AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION		SPEED (KNOTS)	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)								
OCT 1st																																
01	2	UNL	15		55	53	51	87	15	3		0	UNL	8		64	62	61	90	19	6		10	140	8		66	65	64	93	00	0
04	10	80	12		54	52	51	90	00	0		0	UNL	5	F	61	60	60	97	19	5		10	120	6		65	64	63	93	02	4
07	10	29	10		58	55	52	81	00	0		4	UNL	3	F	62	61	60	93	18	4		10	110	3		64	63	63	97	33	6
10	10	26	8		69	63	59	71	22	5		8	UNL	8		73	66	62	69	22	9		10	110	5		67	65	63	87	16	4
13	1	UNL	8		76	67	61	60	21	11		7	UNL	10		79	66	58	49	23	11		3	UNL	15		77	66	60	56	04	5
16	0	UNL	8		73	66	61	66	18	10		5	UNL	10		76	68	64	67	19	10		2	UNL	15		77	67	61	58	20	8
19	0	UNL	8		68	66	64	87	18	7		10	250	10		71	64	59	66	21	9		0	UNL	10		69	64	60	73	24	6
22	0	UNL	8		66	62	60	81	18	5		8	UNL	10		67	64	62	84	17	4		0	UNL	10		66	62	59	78	22	6
OCT 2nd																																
OCT 3rd																																
OCT 4th																																
OCT 5th																																
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OCT 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).



HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

OCT 1991  
WILMINGTON, DE

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						T	T	T																	03
04																									04
05																									05
06				0.01	T			T		T					T		T								06
07																									07
08																									08
09																									09
10																									10
11										T					T	T	0.02	0.09	0.03	0.01	0.01	T	T		11
12																		0.01	T						12
13									T																13
14																									14
15									T	0.15	0.05	0.09	0.04												15
16	T																								16
17		T			T	0.02	0.03	0.05	0.06	0.22	0.31	0.07													17
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MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.06	0.09	0.14	0.17	0.24	0.32	0.39	0.47	0.51	0.54	0.58	0.62
ENDED: DATE	17	17	17	17	17	17	17	17	17	17	17	17
ENDED: TIME	0922	0928	0928	0930	0932	0940	0934	0943	0955	1004	1040	1045

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.

VALIDATED BY:  
DON GRISINGER

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