

LOCAL CLIMATOLOGICAL DATA

Monthly Summary



GREATER WILMINGTON AIRPORT

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

NOV 1990
 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. 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	FASTEST 1-MIN	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT			
01	70	44	57	6	49	8	0	1	8	0	0.00	0.0	30.155	21	2.4	2.9	17	S	8	22	0	1		
02	75	43	59	9	49	6	0	2	8	0	0.00	0.0	30.120	22	2.7	3.0	17	SW	12	22	9	7		
03	77*	49	63*	13	47	2	0	1	8	0	0.00	0.0	30.070	25	3.5	3.6	15	W	9	23	4	4		
04	75	45	60	10	47	5	0	1	8	0	0.00	0.0	29.950	26	2.1	2.4	12	W	6	24	10	8		
05	71	43	57	8	51	8	0	1	8	0	0.00	0.0	29.740	15	6.2	7.4	26	S	18	16	5	5		
06	63	40	52	3	37	13	0			0	0.06	0.0	29.800	29	13.5	14.8	39	NW	29	30	0	1		
07	53	32	43	-6	33	22	0			0	0.00	0.0	30.000	27	4.2	6.1	17	SW	14	30	7	6		
08	50	32	41	-7	24	24	0			0	0.00	0.0	30.140	32	9.7	10.7	33	N	20	36	1	1		
09	49	28	39	-9	28	26	0			0	0.00	0.0	30.170	13	3.7	5.1	15	E	10	10	7	8		
10	65	42	54	6	47	11	0	1		0	1.25	0.0	29.490	33	4.1	13.1	35	NW	18	32	10	8		
11	51	40	46	-1	27	19	0			0	0.00	0.0	29.785	28	13.1	15.0	49	W	28	29	2	4		
12	48	36	42	-5	20	23	0			0	0.00	0.0	29.930	30	18.2	18.8	44	W	29	30	3	2		
13	47	35	41	-6	20	24	0			0	0.00	0.0	30.060	30	14.6	15.0	38	NW	23	31	1	2		
14	50	33	42	-4	23	23	0			0	0.00	0.0	30.330	31	8.4	9.3	30	NW	18	31	4	2		
15	66	32	49	3	33	16	0	1		0	0.00	0.0	30.270	23	4.7	4.9	17	SW	12	22	0	0		
16	72	40	56	11	44	9	0		8	0	0.00	0.0	29.990	20	3.6	4.4	15	SW	10	22	2	4		
17	53	36	45	0	38	20	0	1		0	0.07	0.0	29.850	33	10.6	11.6	29	N	21	32	10	7		
18	48	31	40	-5	17	25	0		8	0	0.00	0.0	30.020	35	12.1	12.2	28	N	22	35	0	0		
19	50	26*	38	-6	20	27	0			0	0.00	0.0	29.950	31	7.8	8.2	18	NW	14	30	0	1		
20	53	31	42	-2	23	23	0			0	0.00	0.0	30.110	32	5.9	6.2	25	NW	14	32	0	1		
21	57	31	44	0	30	21	0		8	0	0.00	0.0	30.190	29	3.4	4.0	15	NW	8	32	1	2		
22	56	31	44	1	36	21	0	1		0	0.00	0.0	30.030	15	4.7	5.4	16	S	12	15	7	7		
23	53	47	50	7	48	15	0	2		0	0.20	0.0	29.615	18	1.6	3.5	8	SE	7	19	10	10		
24	52	40	46	3	27	19	0	1		0	0.00	0.0	29.650	27	9.0	10.0	37	W	23	28	2	5		
25	65	43	54	12	38	11	0			0	0.00	0.0	29.740	23	8.2	9.7	32	W	18	24	10	9		
26	61	39	50	8	37	15	0			0	0.00	0.0	30.105	07	4.3	5.7	16	E	10	08	1	2		
27	60	45	53	12	47	12	0	1		8	0.00	0.0	30.130	12	3.6	5.4	15	SE	13	15	8	6		
28	71	45	58	17	58	7	0	1			0.03	0.0	29.970	20	6.7	7.2	25	SW	17	21	9	6		
29	69	36	53	12	34	12	0			0	0.00	0.0	30.070	31	13.0	13.6	28	NW	18	31	10	7		
30	45	30	38*	-2	21	27	0			0	0.00	0.0	30.330	30	6.8	8.0	26	NW	16	32	0	0		
SUM	SUM					TOTAL	TOTAL	NUMBER OF DAYS			TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM				
1775	1125					494	0				1.61	0.0	29.990	29	4.4	8.2	49	W	29	30			FOR	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	DEP.	PRECIPITATION			DEP.						DATE: 11	DATE: 12+	POSSIBLE	MONTH	AVG.	AVG.		
59.2	37.5	48.4	2.8	35.0	-88	0	0	≥ .01 INCH.		5	-1.72												4.4	4.2
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.		780		1188		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS												
≥ 90°	≤ 32°	≤ 32°	≤ 0°	DEP.	DEP.	HEAVY FOG	2	1.25	10	0.0														
0	0	10	0	-120	173	CLEAR	15	PARTLY CLOUDY	6	CLOUDY	9													

* 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

noaa

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

Kenneth D. Halpern
 DIRECTOR
 NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

NOV 1990
WILMINGTON, DE 13781

HOUR	L.S.T.	VISI-BILITY			TEMPERATURE				WIND		VISI-BILITY			TEMPERATURE				WIND												
		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	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	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)							
NOV 1st																														
01	10	65	10		52	50	47	83	00	0	0	UNL	5	F	49	49	48	96	00	0	0	UNL	8		50	49	47	90	00	0
04	0	UNL	8		47	46	45	93	00	0	0	UNL	2	F	47	47	46	96	00	0	0	UNL	8		50	49	47	90	00	0
07	3	UNL	4		45	45	44	96	00	0	0	UNL	0	F	43	43	43	100	00	0	0	UNL	6	F	50	49	47	90	00	0
10	0	UNL	6		60	55	51	72	20	6	6	UNL	3	H	60	56	53	78	20	5	0	UNL	9		66	57	49	55	27	5
13	0	UNL	8		68	60	53	59	22	7	7	UNL	8		71	61	54	55	16	6	8	UNL	10		76	60	47	36	27	7
16	0	UNL	9		67	58	50	55	25	6	6	UNL	10		72	59	48	43	22	5	9	UNL	10		74	59	47	38	23	7
19	0	UNL	8		57	55	53	87	17	3	3	UNL	8		62	56	50	65	24	4	5	UNL	10		63	54	46	54	25	5
22	0	UNL	6		52	52	51	96	00	0	0	UNL	8		56	52	48	75	00	0	9	UNL	15		58	52	47	67	00	0
NOV 2nd																														
NOV 3rd																														
NOV 4th																														
NOV 5th																														
NOV 6th																														
NOV 7th																														
NOV 8th																														
NOV 9th																														
NOV 10th																														
NOV 11th																														
NOV 12th																														
NOV 13th																														
NOV 14th																														
NOV 15th																														
NOV 16th																														
NOV 17th																														
NOV 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

NOV 1990
WILMINGTON, DE 13781

HOUR L.S.T.	SKY COVER (TENTHS)		VISI-BILITY		WEATHER	TEMPERATURE			WIND		SKY COVER (TENTHS)	VISI-BILITY		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)												
NOV 19th																																	
01	0	UNL	15			30	26	18	61	31	5	7	200	15			34	30	22	62	00	0	0	UNL	12			34	31	25	70	29	4
04	0	UNL	15			29	26	19	66	31	10	4	UNL	10			35	32	26	70	00	0	0	UNL	12			33	30	25	73	24	4
07	0	UNL	12			26	24	19	75	30	3	1	UNL	12			33	28	19	56	32	4	0	UNL	6	H		33	31	28	82	27	4
10	0	UNL	15			39	32	20	47	32	12	0	UNL	15			46	36	17	31	33	11	0	UNL	5	H		45	39	31	58	34	6
13	0	UNL	15			49	39	22	35	32	9	0	UNL	15			53	42	25	34	31	10	1	UNL	6	H		53	43	31	43	32	4
16	0	UNL	15			47	37	22	37	30	9	0	UNL	15			50	39	22	33	30	8	8	UNL	7			52	43	30	43	28	5
19	1	UNL	20			37	31	19	48	30	8	0	UNL	12			40	34	23	51	31	3	7	250	7		43	38	31	63	26	4	
22	5	UNL	20			35	30	20	54	25	7	0	UNL	12			36	32	26	67	32	5	4	UNL	7		41	37	32	70	00	0	
NOV 20th																																	
NOV 21st																																	
NOV 22nd																																	
NOV 23rd																																	
NOV 24th																																	
NOV 25th																																	
NOV 26th																																	
NOV 27th																																	
NOV 28th																																	
NOV 29th																																	
NOV 30th																																	

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	29.980	44	41	36	75	6.4	29	3	1
04	3	29.980	42	39	35	78	5.8	30	3	4
07	4	30.010	41	38	33	76	6.7	30	5	1
10	4	30.030	51	44	35	58	11.3	31	6	1
13	4	29.980	56	47	35	49	11.6	29	6	3
16	5	29.970	55	46	34	48	9.8	28	5	5
19	5	29.990	49	43	35	60	7.2	25	2	8
22	4	30.000	46	41	35	66	6.9	28	2	8

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

NOV 1990
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																									03
04																									04
05																						T	T	T	05
06	T	0.06	T																						06
07																									07
08																									08
09																									09
10		T	T	0.04	0.22	0.33	0.31	0.02	0.11	0.01	T	0.05	0.07	0.06	0.03	T									10
11																									11
12																									12
13																									13
14																									14
15																									15
16																									16
17									0.01	0.03	0.01	0.01	0.01	T											17
18																									18
19																									19
20																									20
21																									21
22																									22
23				0.02	0.02	0.04	0.04	0.02	0.02	0.01	T	0.02								T	0.01	T	T	22	
24																									23
25																									24
26																									25
27																									26
28																									27
29								T	T	T	0.01	0.02	T											28	
30																									29
																									30

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.07	0.12	0.13	0.17	0.22	0.28	0.34	0.47	0.59	0.67	0.78	0.86
ENDED: DATE	10	10	10	10	10	10	10	10	10	10	10	10
ENDED: TIME	0627	0647	0649	0641	0649	0654	0649	0649	0647	0649	0649	0713

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:
MATTHEW BODOSKY

SUBSCRIPTION PRICE AND ORDERING INFORMATION AVAILABLE FROM:
THE NATIONAL CLIMATIC DATA CENTER, FEDERAL BUILDING
ASHEVILLE, NORTH CAROLINA 28801
ATTN: PUBLICATIONS

WILMINGTON, DE
USCOMM - NOAA - ASHEVILLE, NC 225

U.S. DEPARTMENT OF COMMERCE
NATIONAL CLIMATIC DATA CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

AN EQUAL OPPORTUNITY EMPLOYER

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE

COM 210



FIRST CLASS