

DEC 1993
 WILMINGTON, DE
 NAT'L WEA SER OFC
 AIRPORT TERMINAL BLDG

ISSN 0198-117X

INQUIRIES/COMMENTS CALL
 (704) 271-4800

GREATER WILMINGTON AIRPORT

LOCAL CLIMATOLOGICAL DATA Monthly Summary



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

DEC 1993
 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	WIND (M.P.H.)					SUNSHINE		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	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT														
01	46	25	36	-5	26	29	0		0	0.00	0.0	30.660	05	6.0	6.7	13	NE	9	06			9	5												
02	53	33	43	3	35	22	0		0	0.00	0.0	30.400	14	0.8	4.5	12	S	8	18			8	8												
03	59	38	49	9	40	16	0	2	8	0.00	0.0	30.170	32	2.5	3.1	16	NW	12	33			3	7												
04	53	41	47	7	45	18	0	1		1.02	0.0	29.900	13	5.6	6.7	20	SE	15	15			10	10												
05	59*	40	50*	11	48	15	0	1		1.22	0.0	29.385	36	10.6	16.0	47	N	35	01			10	8												
06	50	33	42	3	34	23	0		0	T	0.0	29.800	26	2.9	5.9	22	NW	13	31			0	3												
07	52	36	44	6	33	21	0		0	0.00	0.0	30.070	29	7.1	7.9	24	NW	15	34			6	5												
08	53	34	44	6	32	21	0		0	0.00	0.0	30.090	33	3.4	3.8	13	NW	10	31			4	5												
09	49	28	39	1	32	26	0	1	8	0.00	0.0	30.130	20	1.0	3.7	12	S	8	17			6	3												
10	57	38	48	11	44	17	0	1		0.22	0.0	29.750	19	9.3	10.0	32	S	18	20			10	8												
11	50	24	37	0	26	28	0	1		T	0.0	29.510	33	19.3	20.1	43	N	29	34			10	8												
12	37	21	29	-8	9	36	0		0	0.00	0.0	29.800	34	17.0	17.3	39	N	26	34			0	1												
13	52	30	41	5	16	24	0		0	0.00	0.0	29.950	34	11.6	11.8	24	NW	17	32			1	1												
14	53	32	43	7	29	22	0		0	0.00	0.0	29.780	35	5.1	6.1	15	N	12	02			8	6												
15	49	42	46	10	42	19	0	1		0.01	0.0	29.530	04	12.0	12.6	30	N	17	02			10	10												
16	52	34	43	7	36	22	0		0	0.00	0.0	29.785	36	15.5	15.7	30	N	21	01			8	6												
17	45	26	36	1	22	29	0		0	0.00	0.0	30.210	36	2.1	5.8	14	NE	12	02			2	2												
18	44	27	36	1	33	29	0	1		0.01	0.0	30.010	17	3.1	3.8	14	SW	10	19			10	9												
19	48	30	39	4	35	26	0	1		0.06	0.0	29.850	29	8.4	9.9	31	NW	18	32			9	7												
20	46	31	39	5	35	26	0	1		0.10	0.0	29.960	14	2.0	3.6	13	SE	9	16			10	9												
21	47	34	41	7	35	24	0	1		0.77	0.0	29.380	28	11.3	16.5	43	W	25	26			10	7												
22	40	32	36	2	21	29	0		0	0.00	0.0	29.790	25	10.5	11.7	29	NW	17	29			6	5												
23	41	27	34	0	25	31	0		0	T	0.0	29.910	36	4.1	5.2	15	NE	12	34			9	7												
24	37	23	30	-3	23	35	0		0	T	0.0	30.000	15	2.2	3.9	15	S	9	18			10	8												
25	36	24	30	-3	26	35	0	1	8	0.02	0.4	29.600	23	2.8	5.2	20	W	16	26			9	8												
26	32	19	26	-7	5	39	0		0	T	0.00	29.880	29	16.3	17.4	43	NW	25	29			3	5												
27	22	17	20	-13	8	45	0		0	T	0.0	30.320	02	4.0	5.1	18	N	15	35			10	9												
28	25	19	22	-11	13	43	0		0	0.03	0.9	30.330	01	6.6	6.8	15	N	12	01			10	10												
29	24	15	20*	-12	15	45	0		1	0.05	1.1	29.990	02	6.7	9.1	23	NW	17	30			10	9												
30	25	19	22	-10	7	43	0		1	0.00	0.0	30.000	30	14.8	15.7	48	NW	29	30			0	3												
31	32	15*	24	-8	13	41	0		0	0.00	0.0	30.250	22	6.4	6.8	18	SW	16	22			7	7												
SUM		SUM		SUM		TOTAL		NUMBER OF DAYS		TOTAL		TOTAL		FOR THE MONTH:					TOTAL		%		SUM												
1368		887				879		0		3.51		2.4		29.940		33		4.2		9.0		48		NW		35		01		TOTAL		%		SUM	
AVG.		AVG.		AVG.		DEP.		AVG.		DEP.		DEP.		PRECIPITATION		DEP.		DATE:30		DATE: 5		POSSIBLE		MONTH		AVG.		AVG.		SUM					
44.1		28.6		36.4		0.6		27.2		-26		0		11		0.03										7.0		6.4		SUM					
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES					GREATEST DEPTH ON GROUND OF																				
						TOTAL		≥ 1.0 INCH							SNOW, ICE PELLETS OR ICE AND DATE																				
MAXIMUM TEMP.		MINIMUM TEMP.		1746		1372		THUNDERSTORMS		0		PRECIPITATION		SNOW, ICE PELLETS		1		29		1		30+													
≥ 90°		≤ 32°		≤ 32°		≤ 0°		DEP.		DEP.		HEAVY FOG		1		2.12		04-05		1		1													
0		6		20		0		-43		326		CLEAR		7		PARTLY CLOUDY		5		CLOUDY		19													

* 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. Halpern
 DIRECTOR
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OBSERVATIONS AT 3-HOUR INTERVALS

DEC 1993 13781
WILMINGTON, DE

HOUR L.S.T.	VISIBILITY				WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	VISIBILITY				WEATHER	TEMPERATURE				WIND									
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/16THS MILE			AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/16THS MILE			AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)								
DEC 19th																															
01	10	2	1	8	RF	43	43	42	96	19	8	0	UNL	8	33	32	30	89	25	4	10	12	3	RF	42	42	41	96	07	7	
04	10	31	6		RF	43	43	42	96	27	10	10	65	8	33	32	30	89	00	0	10	6	3	RF	45	45	44	96	05	11	
07	10	37	7			40	39	38	93	29	6	10	60	15	35	34	32	89	21	3	10	7	3	RF	47	46	45	93	33	7	
10	10	38	10			43	40	35	74	27	12	10	55	7	39	37	35	86	00	0	10	11	4	LF	43	42	41	93	28	20	
13	8	32	15			48	43	36	63	32	15	10	55	9	43	40	35	74	12	4	10	25	7	L	41	39	37	86	28	17	
16	10	40	15			46	41	35	66	33	11	10	48	12	46	42	36	68	16	8	10	36	15		42	38	32	68	26	22	
19	0	UNL	15			39	36	31	73	29	5	10	41	12	45	42	38	77	14	6	3	UNL	15			37	32	23	57	25	17
22	0	UNL	10			36	34	31	82	24	4	10	27	7	43	41	39	86	06	4	0	UNL	15			35	30	21	57	27	16
DEC 20th																															
DEC 21st																															
DEC 22nd																															
DEC 23rd																															
DEC 24th																															
DEC 25th																															
DEC 26th																															
DEC 27th																															
DEC 28th																															
DEC 29th																															
DEC 30th																															
DEC 31st																															

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
 IMPH=KNOTS X 1.15).

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	DEN POINT of				
01	5	29.945	35	32	27	75	8.2	33	3.7
04	6	29.940	34	32	27	76	7.7	33	3.8
07	6	29.950	33	31	26	76	7.8	34	4.9
10	6	29.975	38	34	27	65	10.6	33	5.2
13	8	29.920	41	36	28	61	11.8	33	4.3
16	7	29.920	41	36	28	61	10.9	31	4.2
19	6	29.940	37	34	28	70	7.6	32	3.3
22	6	29.950	36	33	27	73	7.5	31	3.8

