

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

INQUIRIES/COMMENTS CALL
(704) 271-4800

GREATER WILMINGTON AIRPORT

LOCAL CLIMATOLOGICAL DATA Monthly Summary

ISSN 0198-117X



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

NOV 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 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		FASTEST 1-MIN		MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT																																																																								
																SPEED	DIRECTION	SPEED	DIRECTION																																																																												
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	46	34	40	-11	31	25	0		0	T	T	29.795	29	13.3	14.5	41	NW	24	30		8	6																																																																									
02	54	32	43	-8	27	22	0		0	0.00	0	30.320	31	5.6	6.6	20	N	14	32		3	4																																																																									
03	51	36	44	-6	32	21	0		0	T	0	30.140	22	5.9	6.6	20	SW	14	22		10	9																																																																									
04	59	33	46	-4	36	19	0		0	0.00	0	30.060	19	4.5	6.5	16	SE	13	15		8	7																																																																									
05	61	51	56	6	56	9	0	1	0	0.34	0	29.680	19	9.9	10.9	20	SW	16	20		10	10																																																																									
06	61	39	50	1	39	15	0	1	0	T	0	29.680	30	8.3	9.1	23	W	14	29		9	6																																																																									
07	48	32	40	-9	26	25	0		0	0.00	0	30.080	32	9.0	9.5	29	NW	18	33		2	1																																																																									
08	53	27	40	-9	29	25	0		0	0.00	0	30.380	27	2.0	3.3	14	W	9	21		5	3																																																																									
09	55	28	42	-7	31	23	0	2	8	0.00	0	30.330	31	2.9	3.8	12	W	7	33		8	6																																																																									
10	59	31	45	-3	31	20	0	1	0	0.00	0	30.210	35	5.3	6.1	16	NE	14	01		6	4																																																																									
11	60	30	45	-3	32	20	0	1	8	0.00	0	30.150	21	6.2	7.4	21	SW	16	22		6	3																																																																									
12	66	46	56	8	37	9	0		0	0.00	0	30.100	27	2.7	8.0	25	NW	15	35		2	4																																																																									
13	60	44	52	5	46	13	0	1	0	0.17	0	30.180	10	4.2	6.1	18	NE	14	16		10	9																																																																									
14	75	51	63	16	58	2	0	1	0	T	0	29.970	21	7.3	7.6	23	SW	16	23		7	7																																																																									
15	80*	58	69*	22	57	0	4		0	0.00	0	29.915	26	9.6	12.6	28	N	20	34		8	7																																																																									
16	62	45	54	8	41	11	0		0	0.00	0	30.270	02	2.1	5.2	22	N	20	34		8	6																																																																									
17	64	43	54	8	53	11	0	1	0	0.22	0	29.995	18	4.6	6.9	30	SW	18	24		10	10																																																																									
18	58	44	51	5	36	14	0		0	T	0	30.110	02	8.0	10.8	29	N	21	36		9	8																																																																									
19	61	46	54	9	46	11	0		0	0.00	0	29.795	22	2.1	8.0	22	SW	17	24		10	10																																																																									
20	53	33	43	-2	28	22	0		0	0.00	0	29.715	29	11.3	13.4	40	NW	30	29		4	3																																																																									
21	50	30	40	-5	22	25	0		0	0.00	0	30.240	23	6.9	7.7	21	SW	14	23		0	1																																																																									
22	60	30	45	1	29	20	0		0	0.00	0	30.290	23	4.1	5.0	17	SW	13	22		0	0																																																																									
23	63	32	48	4	32	17	0		0	0.00	0	30.230	05	1.4	4.4	15	SW	12	06		6	4																																																																									
24	62	37	50	7	40	15	0	2	8	0.00	0	30.030	35	3.4	4.8	17	NE	13	04		10	9																																																																									
25	52	31	42	-1	26	23	0		0	T	T	30.400	05	12.1	12.7	28	NE	18	04		10	7																																																																									
26	43	23*	33*	-10	26	32	0		0	0.00	0	30.425	06	5.9	7.6	17	E	13	07		9	7																																																																									
27	64	39	52	10	43	13	0	1	0	0.10	0	30.170	11	12.3	14.2	38	SE	23	14		10	10																																																																									
28	65	40	53	11	50	12	0	1	0	2.02	0	29.670	21	6.0	14.8	48	SE	38	15		9	8																																																																									
29	47	32	40	-1	25	25	0		0	0.00	0	30.050	26	6.5	7.4	18	NW	13	24		2	1																																																																									
30	46	29	38	-3	24	27	0		0	0.00	0	30.470	34	8.0	9.4	23	N	16	32		0	0																																																																									
SUM		SUM		SUM		TOTAL		TOTAL		TOTAL		TOTAL		FOR THE MONTH:				TOTAL		%		SUM																																																																									
1738		1106				526		4		2.85		T		30.095		28		1.9		8.4		48		SE		38		15		FOR		199		170																																																													
AVG.		AVG.		AVG.		DEP.		AVG.		PRECIPITATION		DEP.						DATE: 28		DATE: 28		POSSIBLE								MONTH		AVG.		AVG.																																																													
57.9		36.9		47.4		1.1		36.3		≥ .01 INCH.		5		-0.42																		6.6		5.7																																																													
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.										86.7		137.2		THUNDERSTORMS		0		PRECIPITATION										SNOW, ICE PELLETS																																																																			
≥ 90°														HEAVY FOG		2		2.12										27-28										trace										25+										T										25+																											
0										0		13		0		-17										326										CLEAR										7										PARTLY CLOUDY										6										CLOUDY										17									

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
T 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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AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE NORTH CAROLINA

Kenneth D. Hadlee
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

NOV 1993
WILMINGTON, DE

13781

HOUR L.S.T.	VISI-BILITY				WEATHER	TEMPERATURE				WIND		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	DEN POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE			AIR of	WET BULB of	DEN POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE			AIR of	WET BULB of	DEN POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)
NOV 1st																																			
01	10	22	10		R	42	41	39	89	26	8	0	UNL	15		NOV 2nd																			
04	10	21	10			41	39	37	86	25	10	0	UNL	15			37	34	28	70	28	6	10	200	15			39	36	31	73	00	0		
07	10	20	12			41	39	36	83	29	13	0	UNL	20			36	33	28	73	30	9	10	140	15			40	36	31	70	18	5		
10	9	35	12			42	38	33	71	29	20	0	UNL	15			33	31	27	79	27	6	10	140	15			42	38	31	65	20	7		
13	9	50	12			45	39	31	58	31	21	4	UNL	15			45	38	26	47	02	11	10	150	12			46	40	33	61	22	9		
16	6	55	12			44	37	25	47	30	21	10	UNL	15			52	41	24	34	35	11	10	140	12			49	42	33	54	20	9		
19	0	UNL	15			40	35	26	57	31	12	10	UNL	15			51	41	27	40	29	6	10	100	15			50	43	33	52	24	9		
22	0	UNL	15			36	33	27	70	33	9	10	UNL	15			44	38	28	54	31	3	10	70	15			46	40	31	56	24	5		
NOV 3rd																																			
NOV 4th																																			
01	7	50	15		42	38	31	65	25	8	10	50	10		NOV 5th																				
04	0	UNL	12		38	36	32	79	30	3	10	48	5		R	52	51	50	93	15	9	10	9	6		F	60	59	58	93	26	10			
07	4	UNL	12		36	35	33	89	00	0	10	27	2		RF	53	51	50	90	16	11	3	UNL	7				55	50	45	69	31	11		
10	10	UNL	10		52	44	33	49	21	4	10	12	1		8 RF	54	54	54	100	17	9	3	UNL	7				48	44	39	71	32	9		
13	8	UNL	12		58	47	33	39	21	10	10	10	3		RF	57	56	55	93	18	7	10	90	12				49	44	38	66	34	10		
16	9	UNL	12		54	45	33	45	15	8	10	7	2		LF	60	59	58	93	20	12	10	65	9				49	43	36	61	32	10		
19	10	200	12		51	48	44	77	14	6	10	7	4		F	60	59	59	97	20	14	10	95	8				48	42	35	61	31	8		
22	10	70	12		51	48	44	77	17	7	10	7	4		F	61	60	59	93	20	11	10	110	8				47	42	35	63	31	10		
NOV 6th																																			
NOV 7th																																			
01	0	UNL	15		39	36	31	73	31	12	0	UNL	15		NOV 8th																				
04	0	UNL	15		35	32	28	76	30	7	0	UNL	15			30	28	25	82	33	4	2	UNL	10		F H	31	31	30	96	31	3			
07	2	UNL	15		35	32	27	73	30	8	8	44	15			28	27	26	92	34	3	4	UNL	6				30	30	29	96	35	3		
10	0	UNL	15		44	37	25	47	30	15	4	UNL	12			29	28	27	92	32	4	6	3	0			2	29	29	29	100	35	3		
13	3	UNL	15		47	38	24	41	32	12	6	UNL	15			44	39	31	60	26	5	9	UNL	5				47	41	32	56	00	0		
16	0	UNL	15		45	37	23	42	35	10	7	UNL	15			50	42	30	46	28	5	10	180	9				51	42	31	47	26	6		
19	0	UNL	15		40	34	24	53	00	0	0	UNL	15			49	41	29	46	21	8	5	UNL	15				52	43	31	45	30	6		
22	0	UNL	15		33	30	25	73	29	4	4	UNL	12			42	37	29	60	00	0	4	UNL	15				43	38	32	65	00	0		
NOV 9th																																			
NOV 10th																																			
01	4	UNL	5		F	32	31	30	92	33	5	0	UNL	10		NOV 11th																			
04	2	UNL	5		F	32	31	30	92	34	6	0	UNL	6			35	33	30	82	00	0	10	200	15			50	45	38	64	20	7		
07	9	140	8			35	33	31	85	34	5	0	UNL	4		F	33	32	31	92	00	0	6	220	12			51	43	34	52	20	12		
10	5	UNL	12			50	42	32	50	01	12	10	UNL	5		H	30	29	28	92	33	3	6	110	10			50	44	36	59	23	9		
13	10	UNL	15			58	46	31	36	07	5	10	UNL	15			49	43	36	61	20	6	0	UNL	15			58	47	35	42	24	9		
16	1	UNL	15			56	45	31	39	35	4	2	UNL	15			58	46	32	38	22	10	3	UNL	12			66	52	38	36	33	12		
19	0	UNL	15			45	39	31	58	29	3	0	UNL	15			57	46	32	39	20	10	3	UNL	12			62	51	39	43	32	9		
22	0	UNL	15			38	36	32	79	32	4	0	UNL	15			51	43	32	48	17	8	0	UNL	12			54	47	38	55	00	0		
NOV 12th																																			
NOV 13th																																			
01	0	UNL	10		47	42	35	63	07	6	10	55	4		NOV 14th																				
04	8	250	10		46	42	37	71	05	7	8	110	5		F	53	52	51	93	00	0	6	UNL	12			68	64	61	78	22	13			
07	8	250	7		45	42	39	80	09	8	3	UNL	1		F	53	52	51	93	00	0	10	250	12			68	64	62	81	23	13			
10	10	110	12		51	48	45	80	09	5	3	UNL	6		8 F	52	52	52	100	00	0	8	250	12			65	63	62	90	28	5			
13	10	95	7		59	55	52	78	17	11	10	UNL	10			65	62	59	81	21	8	9	150	12			73	67	63	71	23	12			
16	10	33	5		56	54	53	90	18	7	10	UNL	12			73	65	60	64	19	9	8	UNL	15			80	68	61	52	29	16			
19	10	34	2		54	53	52	93	00	0	4	UNL	12			70	65	61	73	21	10	8	250	15			77	64	55	47	27	12			
22	10	70	5		52	52	51	96	00	0	8	UNL	12			68	64	61	78	21	9	5	UNL	15			67	59	53	61	26	7			
NOV 15th																																			
NOV 16th																																			
01	0	UNL	15		56	50	43	62	36	8	10	250	8		NOV 17th																				
04	0	UNL	15		50	45	40	69	32	5	10	35	4		F	45	44	43	93	00	0	6	49	15			57	56	56	97	23	9			
07	8	UNL	15		45	43	40	83	31	5	10	37	2		8 F	46	45	44	93	01	3	10	55	15			52	47	42	69	35	12			
10	8	UNL	15		56	48	40	55	03	10	10	5	2		F	50	50	49	96	00	0	7	250	15			49	44	38	66	36	12			
13	7	UNL	15		60	50	39	46	02	3	10	2	1		RF	54	53	52	93	17	6	10	250	15			52	44	35	53	01	12			
16	10	UNL	15		59	50	40	50	14	5	10	7	0		12 F	56	56	56	97	16	6	10	UNL	15			53	43	31	43	02	13			
19	10	UNL	15		52	47	42	69	00	0	10	25	5		RF	64	62	61	90	21	14	8	UNL	15			49	41	29	46	06	6			
22	8	250	12		48	47	45	89	00	0	10	70	7		RF	59	58	57	93	14	7	3	UNL	15			44	39	32	63	09	10			
NOV 18th																																			

OBSERVATIONS AT 3-HOUR INTERVALS

NOV 1993 13781
WILMINGTON, DE

HOUR L.S.T.	VISI-BILITY				TEMPERATURE				WIND		HOUR L.S.T.	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 19th																							
01	10	39	15			46	42	36	68	06	7		10	70	8			52	50	48	86	25	9
04	10	31	12			47	43	39	74	07	7		5	UNL	9			49	48	46	90	25	7
07	10	28	9			48	45	42	80	07	4		6	120	12			48	44	40	74	26	8
10	10	39	8			52	49	46	80	09	6		3	UNL	15			50	40	27	41	30	20
13	10	48	8			59	55	52	78	17	6		4	UNL	15			44	38	28	54	32	22
16	10	55	8			56	53	50	80	23	8		1	UNL	15			41	32	15	35	30	12
19	10	120	10			53	51	49	86	20	8		0	UNL	20			36	29	13	39	29	7
22	10	120	10			53	51	49	86	24	15		0	UNL	20			34	28	14	44	22	6
NOV 20th																							
NOV 21st																							
01	10	39	15			46	42	36	68	06	7		10	70	8			52	50	48	86	25	9
04	10	31	12			47	43	39	74	07	7		5	UNL	9			49	48	46	90	25	7
07	10	28	9			48	45	42	80	07	4		6	120	12			48	44	40	74	26	8
10	10	39	8			52	49	46	80	09	6		3	UNL	15			50	40	27	41	30	20
13	10	48	8			59	55	52	78	17	6		4	UNL	15			44	38	28	54	32	22
16	10	55	8			56	53	50	80	23	8		1	UNL	15			41	32	15	35	30	12
19	10	120	10			53	51	49	86	20	8		0	UNL	20			36	29	13	39	29	7
22	10	120	10			53	51	49	86	24	15		0	UNL	20			34	28	14	44	22	6
NOV 22nd																							
NOV 23rd																							
NOV 24th																							
01	2	UNL	15			37	33	25	62	19	5		0	UNL	15			36	34	32	85	35	5
04	0	UNL	15			35	32	27	73	00	0		0	UNL	15			33	31	28	82	34	5
07	3	UNL	15			30	29	28	92	00	0		5	UNL	15			32	31	28	85	34	7
10	0	UNL	12			47	41	32	56	24	7		5	UNL	15			53	44	32	45	06	10
13	0	UNL	15			58	46	30	35	24	8		3	UNL	15			63	49	33	33	15	5
16	0	UNL	15			57	45	29	34	22	7		8	200	15			57	46	32	39	19	5
19	0	UNL	15			50	41	28	43	23	5		6	UNL	15			50	43	33	52	00	0
22	0	UNL	15			44	39	31	60	00	0		6	UNL	15			44	39	32	63	00	0
NOV 25th																							
NOV 26th																							
NOV 27th																							
01	10	110	10			51	44	36	57	04	11		0	UNL	15			27	25	22	81	35	5
04	10	65	10			45	40	32	61	03	14		0	UNL	15			25	23	19	78	01	5
07	10	24	10			37	34	29	73	05	15		2	UNL	12			24	22	18	78	01	4
10	10	40	15			36	31	22	57	05	14		10	29	15			36	32	26	67	03	7
13	10	37	15			38	33	23	55	04	14		10	31	12			42	37	30	63	04	6
16	10	33	15			38	33	25	60	05	8		10	30	12			43	38	31	63	08	6
19	0	UNL	15			36	31	23	59	07	8		10	31	12			42	37	30	63	11	9
22	0	UNL	15			32	29	22	67	10	5		10	30	12			42	38	31	65	07	11
NOV 28th																							
NOV 29th																							
NOV 30th																							
01	10	28	8			63	60	57	81	14	20		0	UNL	15			39	34	25	57	29	10
04	10	11	3			63	62	61	93	15	22		0	UNL	15			36	32	26	67	27	7
07	10	9	1			61	60	60	97	16	13		0	UNL	15			33	30	25	73	00	0
10	10	3	0			62	62	62	100	19	6		0	UNL	15			43	37	27	53	30	6
13	10	15	6			56	54	52	87	30	10		0	UNL	15			46	38	25	44	25	8
16	7	27	10			57	53	50	78	27	8		7	85	15			45	37	25	46	22	8
19	5	UNL	15			49	45	40	71	28	6		2	UNL	15			39	34	26	60	24	5
22	9	80	15			45	37	26	47	29	11		1	UNL	15			34	31	26	73	29	5

OFFICIAL BUSINESS
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