

NOV 1983 13781
WILMINGTON, DELAWARE
GREATER WILMINGTON AIRPORT

ISSN 0198-117X

LOCAL CLIMATOLOGICAL DATA Monthly Summary

NATIONAL WEATHER SERVICE OFC



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

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 07AM INCHES	PRECIPITATION		AVERAGE STATION PRESSURE IN INCHES ELEV. 80 FEET ABOVE M.S.L.	WIND (M.P.H.)				SUNSHINE		SKY COVER (TENTHS)		DATE		
	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	FASTEST MILE		MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET		MIDNIGHT TO MIDNIGHT	
																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	
1	58	31	45	-6	37	20	0	1	8	0	0	30.48	02	1.3	4.2	7	12			9	6	1	
2	64	37	51	1	43	14	0	1	8	0	0	30.31	26	2.3	4.6	7	19			5	5	2	
3	70*	46	58*	8	51	7	0	1	8	0	0	29.92	27	5.6	7.8	18	30			8	9	3	
4	46	32	39	-11	30	26	0			0	0	29.86	30	11.0	11.1	16	31			9	8	4	
5	47	26	37	-12	29	28	0			0	0	29.84	30	5.6	6.2	12	27			6	5	5	
6	51	29	40	-9	32	25	0			0	0	29.84	32	8.2	9.6	21	30			5	4	6	
7	59	37	48	-1	37	17	0	1	8	0	0	29.99	27	6.7	7.8	13	26			8	8	7	
8	62	36	49	1	40	16	0	1	8	0	0	30.13	23	9	5.6	9	18			0	1	8	
9	64	35	50	2	41	15	0	2	8	0	0	30.10	21	3.3	5.0	12	21			3	2	9	
10	61	41	51	3	50	14	0	1		0	0	29.69	02	11.0	11.7	20	04			10	9	10	
11	61	37	49	2	47	16	0	1		0	0	29.29	26	12.3	14.2	23	28			10	10	11	
12	44	32	38	-9	28	27	0			0	0	29.60	30	18.5	18.7	32	31			9	8	12	
13	48	27	38	-9	22	27	0			0	0	29.90	33	7.1	7.5	15	34			8	7	13	
14	48	26*	37*	-9	30	28	0			0	0	29.95	34	8.0	8.2	10	35			7	8	14	
15	53	40	47	1	44	18	0	1		0	0	29.86	10	8	8.5	12	22			10	10	15	
16	55	42	49	4	41	16	0	1		0	0	29.44	26	11.0	11.1	17	26			7	8	16	
17	47	39	43	-2	29	22	0			0	0	29.62	29	14.9	15.4	22	29			10	8	17	
18	51	32	42	-3	28	23	0			0	0	29.97	27	8.9	9.6	17	30			3	4	18	
19	61	41	51	7	40	14	0	1		0	0	29.97	25	3.4	4.3	7	25			9	8	19	
20	66	38	52	8	47	13	0	1	8	0	0	29.80	20	7.8	8.3	18	23			5	6	20	
21	62	48	55	11	41	10	0	1		0	0	29.74	27	10.9	11.4	18	27			1	2	21	
22	67	42	55	12	38	10	0			0	0	29.91	28	8.2	8.5	21	29			0	0	22	
23	58	41	50	7	40	15	0			0	0	29.98	36	2.9	8.5	14	24			9	7	23	
24	59	50	55	12	52	10	0	2		0	0	29.76	18	7.0	8.8	15	18			10	10	24	
25	58	32	45	3	33	20	0	1	4	0	0	29.58	29	17.6	18.7	29	29			10	7	25	
26	58	34	46	4	30	19	0			0	0	29.96	26	12.0	12.1	17	26			2	1	26	
27	60	33	47	6	35	18	0			0	0	30.03	33	5.1	6.5	14	03			5	6	27	
28	60	43	52	11	43	13	0	1	8	0	0	29.88	04	10.8	14.7	20	15			10	10	28	
29	60	35	48	7	37	17	0	2		0	0	29.68	28	10.3	13.2	21	30			6	5	29	
30	49	33	41	1	25	24	0			0	0	29.94	27	13.1	13.2	22	28			0	0	30	
SUM		SUM				TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM				
1707		1095				542	0			5.48	7	29.87	29	6.0	9.8	32	31	FOR	194	182			
AVG.		AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	PRECIPITATION		DEP.								DATE: 12	POSSIBLE	MONTH	AVG.	AVG.	
56.9		36.5	46.7	1.1	37	-40	0	> .01 INCH.		14	2.15									6.5	6.1		
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		0	PRECIPITATION		SNOW, ICE PELLETS				SNOW, ICE PELLETS OR ICE AND DATE						
> 90°						2	0	THUNDERSTORMS		0													
< 32°						9	0	HEAVY FOG		3	1.74		15-16				T		25				
0						9	0	CLEAR		7	PARTLY CLOUDY		8		CLOUDY		15		T		25		

* 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 7 OR MORE OBSERVATIONS AT 3-HOUR INTERVALS. RESULTANT WIND IS THE VECTOR SUM OF WIND SPEEDS AND DIRECTIONS DIVIDED BY THE NUMBER OF OBSERVATIONS. ONE OF THREE WIND SPEEDS IS GIVEN UNDER FASTEST MILE: 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). PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED (A / APPEARS IN THE DIRECTION COLUMN). ERRORS WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL PUBLICATION.

OCTOBER 1983 ERRATA ##
PAGE 4, MAX SD PCPN TABLE, ALL ENDED DATES = 13.

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NATIONAL
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ASHEVILLE NORTH CAROLINA

L. Ray Hoxit

ACTING DIRECTOR
NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

NOV 1983 13781
WILMINGTON, DELAWARE

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISI-BILITY		WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISI-BILITY		WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISI-BILITY		WEATHER	TEMPERATURE				WIND																					
			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)	WHOLE MILES	16THS MILE			AIR OF	WET BULB OF		DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	WHOLE MILES	16THS MILE	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)														
DAY 01																																		DAY 02										DAY 03									
01	0	UNL	12			36	35	33	89	35	4		2	UNL	8			38	37	35	89	34	4		10	250	3		F	50	48	46	86	20	4																		
04	0	UNL	10			34	33	31	89	34	4		5	UNL	5		F	39	38	36	89	33	4		10	1	0		F	53	51	50	90	24	6																		
07	6	UNL	1		F	33	32	31	92	02	5		5	UNL	4		F	38	37	35	89	31	6		10	2	0	12	LF	54	53	52	93	20	7																		
10	8	UNL	3		H	51	46	41	69	05	5		8	UNL	4		H	55	50	45	69	17	4		10	6	2	8	F	56	54	53	90	25	6																		
13	10	250	10			57	49	40	53	12	4		3	UNL	5			62	55	49	63	24	4		5	UNL	6		H	64	59	55	73	30	8																		
16	9	UNL	12			56	49	41	57	19	3		3	UNL	7			62	55	50	65	19	6		4	UNL	9			66	59	53	63	30	4																		
19	7	UNL	12			52	46	40	64	23	4		4	UNL	7			53	50	47	80	25	4		10	50	7			62	57	53	73	26	6																		
22	4	UNL	10			44	41	38	80	00	0		7	UNL	5		F	48	46	44	86	00	0		10	48	10			58	51	45	62	32	13																		
DAY 04																																		DAY 05										DAY 06									
01	10	44	8		RW	44	42	39	83	30	8		3	UNL	15			32	30	26	79	29	4		2	UNL	7			30	29	28	92	30	7																		
04	5	UNL	12			40	37	34	79	30	8		0	UNL	15			30	29	26	85	27	6		4	UNL	7			31	30	29	92	30	7																		
07	10	39	12			39	37	33	79	29	6		4	UNL	10			28	27	24	85	00	0		6	70	7			32	31	29	89	31	7																		
10	9	34	15			43	37	29	58	30	14		4	UNL	10			39	36	31	73	30	5		10	34	12			41	37	32	70	32	9																		
13	7	50	15			45	39	30	56	31	14		10	31	15			42	37	31	65	27	10		8	44	15			48	42	34	59	31	15																		
16	10	44	15			42	36	26	53	29	13		5	UNL	15			45	39	30	56	30	8		5	UNL	15			47	41	33	58	02	12																		
19	10	85	15			39	34	26	60	30	8		4	UNL	15			36	34	30	79	34	6		0	UNL	15			39	37	33	79	29	6																		
22	4	UNL	15			34	31	26	73	28	6		10	110	12			34	33	30	85	33	4		8	36	15			41	38	35	79	26	4																		
DAY 07																																		DAY 08										DAY 09									
01	10	29	10			45	42	38	77	26	7		5	UNL	9			45	41	36	71	32	4		7	UNL	2	8		F	38	37	35	89	34	5																	
04	2	UNL	10			42	39	36	79	27	7		0	UNL	5		F	38	37	35	89	35	5		4	UNL	2			F	38	37	36	93	26	5																	
07	2	UNL	5		F	37	36	34	89	20	6		0	UNL	3		F	37	36	34	89	02	4		0	UNL	1	12		F	35	34	32	89	00	0																	
10	6	UNL	8			51	45	38	61	29	9		0	UNL	4		H	54	48	42	64	18	4		3	UNL	1			F	48	47	46	93	18	4																	
13	10	250	10			57	47	35	44	25	9		0	UNL	7			60	52	44	56	15	7		0	UNL	8			60	53	47	62	19	6																		
16	10	110	10			55	47	38	53	29	7		0	UNL	8			61	51	42	50	20	5		0	UNL	12			62	53	45	54	18	8																		
19	10	110	10			52	45	37	57	28	5		0	UNL	7			51	48	45	80	21	6		0	UNL	8			51	47	43	74	21	7																		
22	10	100	10			50	44	37	61	33	4		0	UNL	6		F	43	41	39	86	34	4		0	UNL	8			46	44	41	83	00	0																		
DAY 10																																		DAY 11										DAY 12									
01	0	UNL	3		F	41	40	38	89	35	6		10	8	10			58	56	54	87	25	10		10	18	15			38	36	33	82	30	16																		
04	10	36	2		F	50	48	47	89	36	5		10	14	4		F	55	53	52	90	25	5		10	8	7			37	35	32	82	29	14																		
07	10	39	2		F	51	49	48	90	36	12		10	0	0	12	RF	55	54	53	93	12	7		10	32	20			38	34	28	67	30	16																		
10	10	9	1		F	53	51	50	90	04	12		9	19	3		F	60	58	57	90	25	15		10	34	20			38	33	26	62	30	18																		
13	10	3	0		12	RF	56	55	54	93	05	15	10	20	15			49	46	43	80	27	20		9	41	20			43	37	28	56	31	28																		
16	10	4	1		8	RF	58	57	56	93	02	16	10	41	15			51	46	40	66	27	11		8	44	20			43	36	26	51	32	14																		
19	10	2	1		LF	57	56	55	93	03	10		10	36	15			51	45	38	61	27	12		0	UNL	20			38	33	25	60	30	12																		
22	10	1	0		12	RLF	57	56	55	93	02	5	10	17	10		RW	42	40	37	83	27	19		6	36	15			35	31	25	67	30	12																		
DAY 13																																		DAY 14										DAY 15									
01	0	UNL	20			33	30	23	67	31	7		5	UNL	15			33	32	29	85	35	6		10	13	2			40	39	37	89	34	6																		
04	0	UNL	20			30	27	21	69	31	7		6	110	15			33	30	26	75	35	9		10	9	3		8	F	42	41	39	89	36	4																	
07	6	UNL	15			28	26	20	72	34	10		4	UNL	8			27	25	20	75	31	6		10	4	3			45	44	42	89	02	8																		
10	7	250	15			37	31	21	52	31	10		6	55	8			41	36	27	58	34	7		10	2	1		RF	47	46	45	93	14	8																		
13	8	UNL	15			46	37	22	39	35	5		9	55	8			45	39	32	60	35	8		10	4	2		8	RF	49	48	47	93	17	10																	
16	10	120	15			45	36	20	37	35	6		9	19	7			41	38	34	76	35	8		10	2	1		RF	48	47	46	93	21	7																		
19	10	130	12			41	34	21	45	36	3		10	19	5		L	39	37	35	86	34	7		10	8	3		RF	51	49	48	90	03	10																		
22	10	110	12			35	32	27	73	35	4		10	18	4		R	39	38	37	93	35	6		10	5	4		RF	51	50	49	93	22	6																		
DAY 16																																		DAY 17										DAY 18									
01	10	3	1		8	RF	52	51	50	93	26	9	6	44	15			42	37	30	63	27	12		4	UNL	15			39	33	24	55	30	15																		
04	10	11	4		F	49	47	45	86	27	5		10	50	15			42	37	30	63	26	10		0	UNL	15			34	31	25	70	28	7																		
07	5	UNL	7			44	42	40	86	28	7		8	55	20			42	37	30	63	27	14		5	UNL	10			32	30	25	75	26	7																		
10	7	75	8			48	45	42	80	26	9		10	36	20			44	39	31	60	30	14		5	UNL	12			41	36	28	60	28	11																		
13	8	80	12			53	46	39	59	27	13		10	34	15		RW	43	38	32	65	29	15		0	UNL	15			49	41	29	46	28	11																		
16	10	31	8			50	46	42	74	25	10		9	55	15			44	38	30	58	30	17		1	UNL	15			49	41	31	50	24	7																		
19	10	85	15			45	42	38	77	26	10		3	UNL	15			40	34	24	53	30	12		8	95	15			44	38	30	58	24	6																		
22	9	95	15			43	37	29	58	26	14		7	48	15			40	35	26	57	29	13		10	75	15			42	38	32	68	23	6																		

NOV 1983 13781
WILMINGTON, DELAWARE

WILMINGTON DEL

83 11

SUMMARY BY HOURS

HOUR	L.S.T	AVERAGES							RESULTANT WIND	
		SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
				AIR TEMP of	WET BULB of	DEW POINT of				
01	5	29.86	43	41	37	79	8.7	29	5.6	
04	5	29.86	42	40	36	81	7.6	29	5.6	
07	6	29.88	40	38	35	82	8.3	30	5.1	
10	7	29.90	48	43	38	70	11.2	29	5.1	
13	7	29.86	53	46	38	60	13.3	29	8.0	
16	9	29.85	53	46	38	60	11.7	28	7.1	
19	6	29.86	48	43	38	65	9.3	29	5.8	
22	5	29.86	46	42	38	75	8.4	27	5.0	

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

NOV 1983 13781
WILMINGTON, DELAWARE

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	
1																									1
2																									2
3							.01	.04	.01													.01	.08		3
4	.10	.02																							4
5													T												5
6																									6
7																									7
8																									8
9																									9
10										T	T	.09	.15	.12	.17	.11	.20	.14	.04	.06	.03	.04	.02	T	10
11																									11
12	T		.01	T	T	T	T	T			.01	.01	T								T	.02	.02	.01	12
13																									13
14																									14
15	.01							T	.02	.05	.06	.04	.09	.05	.17	.16	.20	.06	T	T	T	.02	T	.02	15
16	.01	T	.01																.23	.21	.12	.13	.06	.07	16
17																									17
18																									18
19						.01																			19
20																						.03	.43	.23	20
21	.09	.03	T	T																					21
22																									22
23																									23
24			T	T			T	T	.01	.01	T	T	.07	.18	.02	.01		.02	.01		.01	.03	.02	.02	24
25	.05	.08	.07	.02	.08	.09	.07	.11	.03	.07	.01	T													25
26																									26
27																									27
28				T	T	.01						T	T	.01	.10	.03	.03	.02	.03	.01	.01				28
29																									29
30																									30

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	00.15	00.24	00.26	00.29	00.36	00.42	00.51	00.58	00.61	00.63	00.72	00.75
ENDED: DATE	20	20	20	20	20	20	20	20	20	21	21	21
ENDED: TIME	2255	2300	2300	2300	2300	2315	2335	2335	2345	0000	0030	0100

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.

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