

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

SEP 1983
 WILMINGTON, DELAWARE

DATE	TEMPERATURE °F						DEGREE DAYS BASE 65°F		WEATHER TYPES	SNOW ICE PELLETS OR ICE ON GROUND AT 07AM INCHES	PRECIPITATION		AVERAGE STATION PRESSURE IN INCHES	WIND (M.P.H.)				SUNSHINE MINUTES	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	FASTEST MILE	PERCENT OF TOTAL POSSIBLE		SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	DATE
1	85	64	75	3	63	0	10	1	8	0	0	29.89	36	2.6	8.5	12	18		2	2	1
2	84	64	74	2	65	0	9	1	8	0	0	29.99	16	3.5	6.5	15	18		9	7	2
3	90	61	76	4	61	0	11	1		0	0	29.92	32	3.8	6.5	9	35		8	6	3
4	91	66	79	8	65	0	14	1	8	0	0	29.94	23	5.6	6.5	12	24		9	7	4
5	93	70	82	11	72	0	17	2	8	0	0	29.86	25	3.2	6.6	9	25		6	5	5
6	98	73	86*	15	69	0	21	1	8	0	0	29.78	26	7.1	8.2	15	22		3	3	6
7	95	71	83	12	66	0	18			0	0	29.80	29	8.9	10.1	17	27		3	3	7
8	85	60	73	3	52	0	8			0	0	30.02	32	6.7	7.9	14	36		0	0	8
9	88	58	73	3	58	0	8			0	0	30.04	23	4.5	7.6	15	18		0	0	9
10	98	63	81	11	62	0	16	1	8	0	0	29.90	25	9.0	9.5	17	24		0	0	10
11	100*	70	85	15	63	0	20	1	8	0	0	29.81	26	9.0	9.4	16	26		1	1	11
12	91	69	80	11	66	0	15	3	8	0	0	29.83	36	4.9	7.1	16	33		5	6	12
13	70	61	66	-3	60	0	1	1	8	0	.09	29.95	01	7.3	7.6	14	01		10	10	13
14	74	55	65	-4	51	0	0			0	0	29.99	36	9.5	9.6	17	03		9	7	14
15	73	51	62	-6	41	3	0			0	0	30.17	04	6.6	9.2	15	06		1	0	15
16	73	45	59	-9	48	6	0			0	0	30.13	15	3.6	9.1	15	17		8	7	16
17	83	61	72	4	58	0	7			0	0	29.93	24	6.7	8.2	16	24		4	4	17
18	81	54	68	1	54	0	3			0	0	30.03	26	2.2	7.5	14	17		1	1	18
19	94	60	77	10	59	0	12	1	8	0	0	30.04	25	5.7	7.1	14	24		0	0	19
20	93	67	80	13	62	0	15	1	8	0	0	30.01	23	9.6	10.4	18	21		0	0	20
21	78	59	69	3	66	0	4	2	8	2.76	0	29.78	21	9.4	13.2	29	31		10	8	21
22	65	48	57	-9	41	8	0			.03	0	29.90	30	13.0	13.4	20	30		1	2	22
23	66	41	54	-11	36	11	0			0	0	30.17	28	8.7	9.5	16	27		2	1	23
24	67	41	54*	-11	38	11	0			0	0	30.38	31	7.7	8.2	15	35		0	0	24
25	68	41*	55	-10	41	10	0			0	0	30.38	25	2.3	6.8	10	18		0	0	25
26	69	43	56	-8	46	9	0	1	8	0	0	30.24	28	2.3	5.8	9	16		8	4	26
27	79	47	63	-1	51	2	0	1	8	0	0	30.13	33	2.9	5.0	9	34		0	1	27
28	73	50	62	-2	48	3	0			0	0	30.20	01	9.5	10.9	17	05		7	8	28
29	71	47	59	-4	45	6	0			0	0	30.22	03	11.0	12.2	18	05		8	9	29
30	63	56	60	-3	56	5	0	1		.08	0	30.09	03	17.1	17.4	23	35		10	10	30
SUM	SUM					TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM		
2438	1716					74	209			3.44	0	30.02	30	3.2	8.8	29	31		FOR	125	112
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.			PRECIPITATION		DEP.						DATE: 21	POSSIBLE	MONTH	AVG.	AVG.	
81.3	57.2	69.3	1.4	55		38	86	> .01 INCH		5	-0.15								4.2	3.7	
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE							
MAXIMUM TEMP.		MINIMUM TEMP.				74	1267	> 1.0 INCH		0											
> 90°	< 32°	< 32°	< 0°			DEP.	DEP.	THUNDERSTORMS		1		PRECIPITATION		SNOW, ICE PELLETS							
10	0	0	0			38	264	HEAVY FOG		2		2.79		21-22		0					
								CLEAR		16		PARTLY CLOUDY		4		CLOUDY		10			

* 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 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.

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, ASHEVILLE, NORTH CAROLINA, 28801

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

L. Roy Hoyt

ACTING DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

SEP 1983 13781
WILMINGTON, DELAWARE

HOUR L.S.T.	SKY COVER (TENTHS)		VISI-BILITY		TEMPERATURE				WIND		SKY COVER (TENTHS)		VISI-BILITY		TEMPERATURE				WIND		SKY COVER (TENTHS)		VISI-BILITY		TEMPERATURE				WIND		
	0-100	100-200	WHOLE MILES	16THS MILE	AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	0-100	100-200	WHOLE MILES	16THS MILE	AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	0-100	100-200	WHOLE MILES	16THS MILE	AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	
DAY 01																															
01	7	200	8		67	64	63	87	31	6	2	UNL	5	H	68	65	64	87	28	6	7	UNL	10			66	63	62	87	33	6
04	0	UNL	5	F	65	64	63	93	32	7	0	UNL	3	FH	67	65	64	90	15	4	0	UNL	5	F		63	61	60	90	35	6
07	0	UNL	5	F	69	66	64	84	35	10	10	9	1	8	69	67	66	90	02	4	9	UNL	8			67	64	62	84	33	6
10	1	UNL	9		78	68	63	60	36	7	10	12	2	8	76	71	68	76	10	7	8	UNL	8			83	70	63	51	35	8
13	6	39	9		81	69	63	54	05	7	7	UNL	7		83	71	64	53	16	7	8	UNL	8			86	69	59	40	18	4
16	3	UNL	10		83	67	58	43	09	9	10	250	8		79	70	65	62	17	10	5	UNL	10			87	69	59	39	34	6
19	2	UNL	10		79	68	61	54	18	5	9	250	8		74	67	63	69	19	7	7	UNL	8			78	68	63	60	20	5
22	6	8			72	69	67	84	20	8	10	250	10		71	66	63	76	00	0	4	UNL	8			72	66	62	71	27	5
DAY 02																															
DAY 03																															
DAY 04																															
DAY 05																															
DAY 06																															
DAY 07																															
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DAY 14																															
DAY 15																															
DAY 16																															
DAY 17																															
DAY 18																															

WEATHER CODES

- | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> * TORNADO T THUNDERSTORM Q SQUALL R RAIN RW RAIN SHOWERS ZR FREEZING RAIN L DRIZZLE | <ul style="list-style-type: none"> ZL FREEZING DRIZZLE S SNOW SN SNOW SHOWERS SG SNOW GRAINS SP SNOW PELLETS IC ICE CRYSTALS IP ICE PELLETS | <ul style="list-style-type: none"> IPW ICE PELLET SHOWERS A HAIL F FOG IF ICE FOG GF GROUND FOG BD BLOWING DUST | <ul style="list-style-type: none"> 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

SEP 1983 13781
WILMINGTON, DELAWARE

HOUR L.S.T.	SKY COVER (TENTHS)		VISI-BILITY		TEMPERATURE				WIND		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)	AIR OF		WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																					
DAY 19																		DAY 20																		DAY 21																	
01	0	UNL	12		64	59	56	75	21	4		0	UNL	10		70	65	62	76	22	4		0	UNL	8		F	71	68	66	84	20	11																				
04	0	UNL	7		61	59	57	87	35	5		0	UNL	10		68	64	62	81	20	5		2	UNL	4		F	72	59	68	87	20	13																				
07	0	UNL	4		64	62	60	87	00	0		0	UNL	5		68	64	62	81	23	4		10	110	4		F	73	69	67	82	18	12																				
10	0	UNL	9		79	69	63	58	28	10		0	UNL	5		83	71	65	55	24	6		10	18	6		H	76	71	68	76	18	13																				
13	0	UNL	10		92	72	62	37	25	7		0	UNL	10		91	72	62	38	26	12		10	19	3		H	76	73	71	85	18	11																				
16	0	UNL	10		92	68	54	28	24	12		0	UNL	12		90	67	53	28	25	15		10	11	0	12	RWF	73	71	70	90	24	12																				
19	0	UNL	10		79	66	58	49	22	6		0	UNL	8		79	69	63	58	21	12		10	14	3		RWF	63	61	60	90	30	12																				
22	0	UNL	10		75	66	61	62	24	5		0	UNL	8		75	67	63	66	21	14		10	36	7		R	62	60	58	87	30	8																				
DAY 22																		DAY 23																		DAY 24																	
01	10	36	12		59	56	54	84	31	10		0	UNL	15		47	42	36	66	27	9		0	UNL	20			44	40	36	74	31	7																				
04	5	UNL	15		53	49	46	77	30	11		0	UNL	15		43	40	35	73	22	6		0	UNL	20			42	39	35	76	29	7																				
07	1	UNL	15		53	49	45	74	30	12		0	UNL	15		47	42	37	68	30	9		0	UNL	20			46	43	40	80	31	8																				
10	0	UNL	15		60	51	42	52	31	17		0	UNL	15		59	48	37	44	30	12		0	UNL	20			60	50	41	50	35	13																				
13	2	UNL	15		65	52	40	40	27	14		4	UNL	20		64	50	34	33	28	8		1	UNL	20			65	52	38	37	30	11																				
16	1	UNL	15		65	50	34	32	30	15		7	85	20		62	49	34	35	29	10		1	UNL	20			66	52	38	36	30	7																				
19	0	UNL	15		55	45	34	45	28	8		2	UNL	20		55	46	36	49	26	6		0	UNL	20			57	48	38	49	00	0																				
22	0	UNL	15		49	43	35	59	28	6		0	UNL	20		47	43	38	71	30	6		0	UNL	20			49	45	40	71	31	4																				
DAY 25																		DAY 26																		DAY 27																	
01	0	UNL	20		45	43	40	83	34	5		0	UNL	20		47	45	43	86	32	5		0	UNL	10			51	48	46	83	31	4																				
04	0	UNL	20		42	40	38	86	31	7		2	UNL	10		45	44	42	89	31	5		0	UNL	7			50	48	46	86	00	0																				
07	0	UNL	20		45	43	41	86	31	5		8	UNL	5		48	46	45	89	35	4		0	UNL	2	8		51	49	47	86	30	4																				
10	0	UNL	20		63	52	42	46	08	6		10	250	6		60	55	50	70	20	5		0	UNL	6		F	70	61	54	57	02	7																				
13	0	UNL	20		67	52	38	35	26	4		8	250	10		66	56	47	51	32	4		0	UNL	9		F	76	63	55	48	08	4																				
16	0	UNL	20		67	53	39	36	18	9		7	UNL	12		68	57	47	47	16	8		0	UNL	12			79	64	53	41	32	6																				
19	0	UNL	20		57	50	44	62	22	8		0	UNL	15		51	54	47	60	24	5		0	UNL	10			68	60	55	63	23	5																				
22	0	UNL	20		54	49	45	72	21	3		0	UNL	15		54	51	48	80	33	4		6	UNL	12			60	57	55	84	32	5																				
DAY 28																		DAY 29																		DAY 30																	
01	8	UNL	8		59	55	52	78	35	7		10	UNL	10		50	47	45	83	34	6		10	95	15			61	52	44	54	01	12																				
04	7	UNL	7		60	56	52	75	35	8		10	UNL	10		50	47	45	83	35	8		10	17	15			59	55	52	78	02	16																				
07	4	UNL	7		61	56	52	72	34	11		9	UNL	10		52	48	45	77	35	8		10	8	6			58	56	55	90	02	16																				
10	8	UNL	8		68	59	52	57	05	14		9	220	15		60	52	45	58	05	11		10	6	4		F	58	56	55	90	04	19																				
13	8	UNL	9		73	59	47	40	35	14		8	220	15		67	56	46	47	05	16		10	6	2		LF	60	58	57	90	04	17																				
16	10	UNL	10		71	56	43	37	05	12		7	220	15		68	55	43	41	05	14		10	6	1	8	LF	63	61	60	90	04	17																				
19	8	UNL	12		64	52	41	43	03	7		9	200	15		63	54	46	54	02	8		10	4	1	8	LF	62	61	60	93	03	16																				
22	8	UNL	12		54	50	46	75	34	3		10	200	15		62	54	47	58	02	14		10	3	2	8	F	63	62	61	93	03	8																				

WILMINGTON DEL

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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	3	30.02	63	58	55	77	6.9	31	4.8
04	3	30.01	60	57	55	82	6.8	32	3.7
07	4	30.04	62	59	56	81	7.4	32	4.3
10	4	30.05	74	64	57	56	11.4	34	3.7
13	5	30.02	79	65	55	46	10.6	30	3.1
16	4	29.98	79	64	54	44	12.1	26	3.6
19	4	30.00	71	62	55	60	8.3	26	2.7
22	3	30.02	66	60	56	70	7.2	28	3.3

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

SEP 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																									3
4																									4
5																									5
6																									6
7																									7
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30																									30

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	00.22	00.44	00.47	00.56	00.73	00.82	00.94	01.07	01.12	01.40	01.85	02.02
ENDED: DATE	21	21	21	21	21	21	21	21	21	21	21	21
ENDED: TIME	1750	1750	1750	1750	1755	1800	1615	1635	1700	1745	1800	1815

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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