

LOCAL CLIMATOLOGICAL DATA

Monthly Summary



NATIONAL WEATHER SERVICE DFC

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

MAY 1982 WILMINGTON, DELAWARE

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	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	76	45	61	4	39	4	0		0	0	0	30.01	28	5.9	6.8	13	24	7	5	1	
2	73	45	59	1	39	6	0		0	0	0	30.00	31	7.5	8.6	15	31	0	1	2	
3	75	47	61	3	38	4	0		0	0	0	30.01	34	8.5	10.2	18	34	1	2	3	
4	75	49	62	3	39	3	0		0	T	0	30.08	35	6.1	9.4	16	32	1	2	4	
5	74	44	59	0	40	6	0		0	0	0	30.14	11	4.8	7.6	18	17	1	1	5	
6	78	45	62	3	43	3	0		0	0	0	30.05	24	7.4	7.8	16	24	5	6	6	
7	81	56	69	10	49	0	4	8	0	0	0	29.91	16	7.2	8.1	20	18	8	8	7	
8	67	53	60	0	51	5	0	1	8	0	.06	29.89	11	4.7	9.1	15	09	10	10	8	
9	73	53	63	3	46	2	0	1	0	T	0	29.88	33	13.6	14.0	21	32	4	5	9	
10	77	48	63	3	30	2	0		0	0	0	29.91	34	13.4	14.0	21	35	1	1	10	
11	78	44*	61	0	37	4	0		0	0	0	29.98	36	6.2	11.2	17	01	4	3	11	
12	75	50	63	2	52	2	0	1 3	8	0	.04	29.98	12	2.2	9.1	21	35	5	6	12	
13	79	56	68	7	55	0	3	1	8	0	0	29.97	14	4.7	6.9	14	16	7	7	13	
14	79	53	66	4	48	0	1	1	0	0	0	29.99	01	5.0	10.1	17	02	1	2	14	
15	78	48	63	1	48	2	0		0	0	0	30.04	16	1.1	9.5	18	17	3	2	15	
16	84	49	67	5	50	0	2	8	0	0	0	30.03	25	3.4	4.6	14	17	2	2	16	
17	85	61	73	10	55	0	8	0	0	0	0	30.00	09	3.5	6.6	14	06	6	5	17	
18	75	57	66	3	53	0	1	8	0	T	0	30.04	18	6.9	9.2	18	18	7	5	18	
19	78	60	69	6	62	0	4	23	8	0	.28	29.96	20	6.1	6.6	16	23	10	10	19	
20	83	65	74	10	62	0	9	1 3	8	0	.35	29.83	24	8.2	9.9	16	24	10	10	20	
21	77	61	69	5	60	0	4	1 3	8	0	.05	29.95	07	4.6	7.2	14	11	10	9	21	
22	62	54	58	-6	54	7	0	1	8	0	.17	30.10	07	10.1	10.9	17	07	10	10	22	
23	58	54	56*	-9	52	9	0	1 3	0	0	.20	30.12	07	13.2	13.4	18	07	10	10	23	
24	61	53	57	-8	54	8	0	1	0	0	.01	30.04	06	6.9	7.1	15	09	10	10	24	
25	70	57	64	-1	59	1	0	2	8	0	.18	29.91	03	.7	3.6	7	16	9	8	25	
26	81	55	68	2	59	0	3	2	8	0	0	29.88	17	3.8	5.3	12	17	6	6	26	
27	80	61	71	5	62	0	6	2	8	0	0	29.91	18	9.1	9.5	18	18	8	8	27	
28	66	62	64	-2	62	1	0	1 3	0	2.14	0	29.91	09	8.4	9.5	15	08	10	10	28	
29	82	61	72	5	64	0	7	1	8	0	.02	29.76	34	5.9	7.1	12	33	6	7	29	
30	85	68	77*	10	69	0	12	23	8	0	.22	29.67	21	2.7	4.8	13	25	8	8	30	
31	86*	66	76	9	68	0	11	2	8	0	0	29.69	29	3.6	6.8	13	29	6	7	31	
SUM	SUM					TOTAL	TOTAL			TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM		
2351	1680					69	75			3.72	0	29.95	02	.8	8.5	21	35		FOR	186	186
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.			PRECIPITATION								DATE: 12+	POSSIBLE	MONTH	AVG.	AVG.	
75.8	54.2	65.0	2.6	52	-59		27	> .01 INCH.	12	0.37								6.0	6.0		
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS > 1.0 INCH		GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE							
MAXIMUM TEMP.		MINIMUM TEMP.				5283	77	THUNDERSTORMS	7	PRECIPITATION		SNOW, ICE PELLETS									
5 90°		2 32°		2 32°		0	0	HEAVY FOG	6	2.16	28-29	0		0							
0		0		0		343	29	CLEAR	8	PARTLY CLOUDY	11	CLOUDY		12							

* 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 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 CENTER, ASHEVILLE, NORTH CAROLINA, 28801.

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DIRECTOR NATIONAL CLIMATIC CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

MAY 1982 13781
WILMINGTON, DELAWARE

Table with columns for hour, sky cover, visibility, temperature, wind, and weather for 18 days (DAY 01 to DAY 18). Each row represents a 3-hour interval.

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 FASTEST OBSERVED AVERAGE ONE-MINUTE VALUE, EXPRESSED IN KNOTS (MPH=KNOTS X 1.15).

OBSERVATIONS AT 3-HOUR INTERVALS

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WILMINGTON, DELAWARE

HOUR L.S.T.	VISI-BILITY				TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY				TEMPERATURE				WIND										
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)									
DAY 19																														
01	7	80	7		64	61	59	84	20	3	9	250	5	F	65	63	61	87	21	5	8	100	7		65	63	61	87	16	5
04	10	5	2	8	62	60	59	90	00	0	10	100	2	8	66	63	62	87	22	7	10	100	5	F	64	62	61	90	00	0
07	10	1	0	4	64	62	61	90	19	6	10	6	1	12	69	65	63	81	25	7	10	48	4	FH	66	63	62	87	30	4
10	10	5	1	8	69	65	63	81	19	8	9	80	5	H	75	68	64	69	24	11	10	85	7		70	64	60	71	05	10
13	10	80	2	8	75	69	66	74	20	8	10	250	7		81	70	64	56	26	10	10	250	7		75	65	59	58	04	10
16	10	80	3		74	68	65	74	19	8	10	250	6	H	82	70	63	53	24	14	10	250	7		74	65	60	62	05	7
19	10	75	6		68	64	61	78	26	6	10	250	7		78	68	62	58	23	9	8	UNL	7		69	63	60	73	12	8
22	10	85	6		68	64	62	81	19	7	9	95	8		68	63	59	73	01	6	10	90	9		63	58	55	75	11	6
DAY 20																														
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DAY 30																														
DAY 31																														

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	6	29.95	59	55	51	77	5.8	02	1.5
04	6	29.95	56	53	50	81	5.7	01	2.9
07	5	29.98	60	56	52	76	7.0	36	2.8
10	6	29.99	68	59	52	60	9.7	02	3.0
13	6	29.95	73	61	52	51	11.1	35	.9
16	6	29.92	73	61	52	51	11.9	25	2.1
19	6	29.93	67	58	51	62	10.1	17	2.5
22	6	29.95	63	57	51	70	6.8	13	2.4

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

MAY 1982 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	T																							4	
5																								5	
6																								6	
7																								7	
8									T	T	.02	T								T	T	.02	.02	8	
9	T																							9	
10																								10	
11																			.01	.01	.01	.01	T	T	11
12																									12
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16																									16
17																									17
18										T															18
19																									19
20																T	.04	T	.13	.10	.01	.01		.34	20
21	.03					T	T	.02	T																21
22						T	T	.01	T	.01	T	T	T	T	T	.14	T	.01	T	.03	T	T	T	T	22
23	T	T	T	T	T	.01	T	.01	T	.01	T	T	T	T	T	T	.04	.03	.09	.02	T	T	T	T	23
24																									24
25	T	.02	.14	.02	T	T	.01	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	25
26																									26
27																									27
28																									28
29	T	.02	T	T	T	.01	.01	T	T	.06	.22	.12	.13	.30	.37	.13	T	T	.43	.05	T	.12	.19	T	29
30																				.01	.19	.02			30
31																									31

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	00.16	00.18	00.25	00.33	00.37	00.43	00.46	00.50	00.61	00.67	00.69	00.80
ENDED: DATE	20	20	20	20	21	28	28	28	28	28	28	28
ENDED: TIME	2343	2348	2353	2358	0008	1905	1920	1440	1500	1500	1500	1555

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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