

SEP 1982 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

SEP 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 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	DIRECTION	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET		MIDNIGHT TO MIDNIGHT															
1	81	70	76	4	69	0	11	1	8	0	T	0	29.94	19	9.9	10.2	13	21	10	10	1																
2	88*	71	80*	9	72	0	15	1	3	8	0	.37	0	29.75	22	10.2	10.8	22	30	9	9	2															
3	82	59	71	0	60	0	6	1		8	0	0	0	29.76	29	8.5	9.8	17	31	4	4	3															
4	77	53	65	-6	52	0	0				0	0	0	30.02	32	7.6	8.1	16	32	5	3	4															
5	77	50	64	-7	54	1	0				0	0	0	30.15	15	3	4.6	10	16	4	3	5															
6	82	54	68	-3	57	0	3				0	0	0	30.09	29	5.4	5.6	12	28	0	1	6															
7	78	58	68	-2	59	0	3			8	0	0	0	30.13	06	7.5	9.9	16	04	8	7	7															
8	70	61	66	-4	57	0	1				0	0	0	30.21	10	4.4	6.3	9	18	10	10	8															
9	77	56	67	-3	60	0	2	1		8	0	0	0	30.18	19	3.0	4.9	12	24	7	5	9															
10	82	58	70	0	63	0	5	2		8	0	0	0	30.05	25	5.8	6.2	13	22	3	5	10															
11	86	65	76	7	66	0	11	1		8	0	0	0	30.03	27	2.4	4.6	10	30	2	2	11															
12	86	62	74	5	63	0	9	1		8	0	0	0	30.11	15	2.8	6.0	15	17	2	2	12															
13	85	61	73	4	65	0	8	1		8	0	0	0	30.16	16	5.2	6.5	15	17	1	2	13															
14	81	65	73	4	66	0	8	1		8	0	0	0	30.07	15	2.8	6.0	10	17	5	6	14															
15	83	60	72	4	67	0	7	2		8	0	0	0	29.90	20	3.9	5.3	9	16	7	7	15															
16	85	67	76	8	65	0	11	1		8	0	T	0	29.85	36	3.9	5.5	13	02	7	7	16															
17	73	53	63	-5	49	2	0				0	0	0	29.94	36	7.4	8.3	15	35	6	3	17															
18	84	50	67	0	56	0	2				0	T	0	29.79	27	4.8	6.8	15	24	8	6	18															
19	73	52	63	-4	49	2	0				0	0	0	29.92	03	2.3	6.2	9	19	0	2	19															
20	64	59	62	-5	59	3	0	1		5	0	.70	0	29.86	05	4.8	8.2	13	06	10	10	20															
21	67	56	62	-4	57	3	0	1		8	0	.07	0	29.94	06	7.1	9.1	14	06	10	9	21															
22	64	59	62	-4	58	3	0	1		8	0	.11	0	29.89	05	11.8	12.4	18	06	10	10	22															
23	69	51	60	-6	51	5	0	1			0	0	0	29.94	27	11.2	11.5	18	28	3	4	23															
24	72	46*	59*	-6	52	6	0	0		8	0	0	0	30.03	19	4.7	6.3	12	19	7	6	24															
25	75	52	64	-1	55	1	0	1		8	0	0	0	29.99	09	5.3	6.6	12	09	6	6	25															
26	71	55	63	-2	57	2	0	1		8	0	.40	0	29.93	05	11.1	12.4	21	09	10	9	26															
27	75	60	68	4	62	0	3	1			0	.64	0	29.75	20	6.0	12.2	23	16	8	7	27															
28	76	54	65	1	56	0	0	1			0	T	0	30.00	31	6.6	7.2	13	31	4	3	28															
29	76	57	67	3	58	0	2	1			0	.01	0	30.15	04	9.1	10.4	17	07	3	5	29															
30	68	60	64	1	57	1	0	1			0	0	0	30.17	05	8.2	9.2	16	06	10	10	30															
SUM										TOTAL		TOTAL		FOR THE MONTH:				TOTAL		%	SUM	SUM															
2307										1734		2.30		0		29.99		36		7		7.9		23		16		FOR		179		173					
AVG.										AVG.		AVG.		DEP.		AVG.		DEP.		PRECIPITATION		DATE: 27		POSSIBLE		MONTH		AVG.		AVG.							
76.9										57.8		67.4		-0.5		59		-3		-12		> .01 INCH.		7		-1.12				6.0		5.8					
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																	
MAXIMUM TEMP.										MINIMUM TEMP.		43		976		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS																	
> 90°										< 32°		< 32°		< 0°		DEP.		DEP.		HEAVY FOG		2		1.04		26-27		0		0							
0										0		0		0		11		-4		CLEAR		8		PARTLY CLOUDY		11		CLOUDY		11							

* 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.

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L. Ray Hunt

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ACTING DIRECTOR
NATIONAL CLIMATIC CENTER

SEP 1982 13781
WILMINGTON, DELAWARE

WEATHER CODES

BN	BLOWING	SAND
BS	BLOWING	SNOW
BY	BLOWING	SPRAY
K	SMOKE	
H	HAZE	
D	DUST	

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OBSERVATIONS AT 3-HOUR INTERVALS

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OBSERVATIONS AT 5 HOUR INTERVALS																															
HOUR L.S.T.	SKY COVER (TENTHS)		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	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	CEILING IN HUNDREDS OF FEET		WHOLE MILES	16THS MILE		AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES		16THS MILE	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION
DAY 19																															
01	2	UNL	12			60	56	53	78	36	4	10	55	12																	
04	0	UNL	12			55	51	48	77	36	5	10	18	6																	
07	0	UNL	15			56	51	46	69	01	7	10	29	7																	
10	0	UNL	25			64	54	45	50	02	8	10	9	3																	
13	0	UNL	25			71	57	46	41	06	6	10	4	2	8																
16	0	UNL	25			71	58	47	43	17	6	10	8	2	8																
19	3	UNL	15			63	56	50	63	19	7	10	8	6																	
22	10	70	15			63	60	58	84	00	0	10	10	7																	
DAY 20																															
																						</									

WILMINGTON DEL

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SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES				RESULTANT WIND	
			TEMPERATURE				DIRECTION	SPEED (MPH)
			AIR TEMP OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %		
01	6	29.98	63	60	59	88	5.6	04
04	5	29.98	61	59	58	91	6.5	02
07	6	30.01	62	60	58	89	6.8	02
10	5	30.02	70	64	60	72	9.2	02
13	6	29.99	75	65	59	59	10.3	30
16	6	29.97	75	65	56	59	9.4	29
19	6	29.97	69	63	59	73	8.5	17
22	6	29.99	65	62	59	84	7.1	14

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

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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	T	T	T																		T	T	T	T	1
2	T	T																				.24	.04	.09	2
3																									3
4																									4
5																									5
6																									6
7																									7
8								T	T																8
9																									9
10																									10
11																									11
12																									12
13																									13
14																									14
15																									15
16							T																		16
17														T			T	T							17
18																									18
19																									19
20			T	.11	.02	.03	.02		.05	.13	.27	.04	.01	T	T	.02	T	T	T	T					20
21																									21
22	.04	.02	T	.01	T						T	T	.01	.03		T	T					T	.01	.06	22
23																									23
24																									24
25																									25
26												T				T	T	.01	.02	.02	.04	.10	.03	.18	26
27	.28	.05	.31	T	T																				27
28	T																								28
29																		T	.01						29
30																									30

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	00.11	00.12	00.18	00.22	00.29	00.29	00.31	00.38	00.44	00.44	00.63	00.65
ENDED: DATE	27	27	27	27	27	27	20	27	27	27	27	27
ENDED: TIME	2115	0220	0220	0220	0245	0245	1025	0045	0045	0045	0235	0235

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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