

Local Climatological Data



LATITUDE 39° 40' N LONGITUDE 75° 36' W ELEVATION (GROUND) 74 FT. STANDARD TIME USED: EASTERN WBAN #13781

DATE	TEMPERATURE °F					DEGREE BASE 65°	DAYS	WEATHER TYPES ON DATES OF OCCURRENCE	SNOW, ICE PELLETS ON ICE ON GROUND AT 07AM IN.	PRECIPITATION		AVG. STATION PRESSURE IN.	WIND				SUNSHINE		SKY COVER TENTHS		DATE
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT					HEATING SEASON BEGINS WITH JAN. 1	COOLING SEASON BEGINS WITH JULY 1		WATER EQUIVALENT IN	SNOW, ICE PELLETS IN.	RESULTANT DIR.	RESULTANT SPEED N.P.H.	AVERAGE SPEED M.P.H.	FASTEST M.P.H.	DIRECTION	MINUTES	
1	81	61	71	-5	60	0	0	0	0	0	29.71	32	11.2	11.4	17	32	3	4	1		
2	78	55	67	-9	51	0	2	0	0	0	29.98	32	7.7	8.1	13	30	6	6	2		
3	80	57	69	-7	55	0	4	0	0	0	30.18	03	1.9	7.1	12	18	9	9	3		
4	82	61	72	-4	58	0	7	0	0	0	30.11	30	3.0	4.5	8	18	9	6	4		
5	87	63	75	0	61	0	10	0	T	0	29.98	22	5.6	6.9	16	22	6	6	4		
6	90	68	79	4	64	0	14	0	T	0	29.89	25	4.9	8.2	14	22	6	6	6		
7	82	72	77	2	68	0	12	3	0	.08	29.89	15	7.5	10.4	17	16	10	10	7		
8	78	69	74	-1	69	0	9	3	0	.12	29.89	16	5.0	7.5	15	17	10	10	8		
9	74	69	72	-3	67	0	7	1	0	1.03	29.81	01	6.5	10.8	20	34	10	10	8		
10	82	66	74	-1	64	0	9	0	0	.02	29.97	27	9.6	10.6	17	30	6	6	9		
11	85	63	74	-1	63	0	9	1	0	0	30.14	33	3.4	4.3	9	31	3	3	11		
12	88	66	77	0	66	0	12	1	0	0	30.09	22	5.3	5.8	14	21	4	4	12		
13	89	70	80	0	70	0	15	1	0	.41	29.87	20	4.0	5.2	21	30	4	4	13		
14	88	69	79	0	68	0	14	3	0	.10	29.86	26	6.0	7.8	16	23	4	4	14		
15	85	67	76	-2	68	0	11	3	0	.08	29.89	23	6.0	7.8	14	21	9	9	15		
16	77	61	69	-6	56	0	4	1	0	0	29.88	32	9.1	9.2	16	32	3	3	16		
17	82	58	70	-4	55	0	5	4	0	0	30.02	33	8.9	9.1	15	34	3	3	17		
18	82	64	73	-1	64	0	8	0	0	0	30.07	03	8.0	10.4	16	02	1	1	18		
19	78	58	68	-6	52	0	4	0	0	0	30.22	07	6.3	10.2	16	07	0	0	19		
20	83	55	69	-7	58	0	4	0	0	0	30.20	24	3.3	5.0	10	17	0	0	20		
21	87	59	73	-1	60	0	8	0	0	0	30.05	28	4.4	4.9	9	30	0	0	21		
22	92*	58	80	7	65	0	15	0	0	0	29.89	29	6.1	6.3	9	31	0	0	22		
23	91	71	81	8	65	0	16	0	0	0	29.90	32	7.3	7.6	12	34	1	1	23		
24	84	69	77	4	66	0	12	1	0	0	30.08	08	4.1	9.4	14	17	5	5	24		
25	86	67	77	4	68	0	12	2	0	0	30.11	22	3.7	6.3	13	27	6	6	25		
26	81	73	82*	9	71	0	17	1	0	0	30.04	20	7.5	8.1	13	17	9	9	26		
27	77	71	74	1	68	0	9	1	0	.17	30.02	24	4.2	5.8	9	19	10	10	27		
28	85	71	78	6	70	0	13	2	0	0	29.89	20	4.0	4.9	10	25	8	8	28		
29	88	62	75	3	64	0	10	2	0	0	29.91	30	5.6	6.8	17	30	8	8	29		
30	74	52	63	-9	46	0	0	0	0	0	30.09	32	9.6	9.9	16	32	0	0	30		
31	75	50*	63*	-9	46	0	0	0	0	0	30.13	29	4.5	6.2	12	31	1	1	31		
SUM		SUM		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	
2592		1995		278		278		2.00		0.30.00		29		2.6		7.8		21		30	
AVG.		AVG.		AVG.		AVG.		AVG.		AVG.		DATE		DATE		DATE		DATE		DATE	
83.3		64.0		73.7		-0.4		62		3.01		INCH		-1.98		13		14		14.4	

AUGUST 1976 WILMINGTON, DELAWARE

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
 † TRACE AMOUNT
 * ALSO ON AN EARLIER DATE, OR DATES.
 HEAVY FOG: - VISIBILITY 1/4 MILE OR LESS.
 FIGURES FOR WIND DIRECTIONS ARE TENS OF DEGREES CLOCKWISE FROM TRUE NORTH. 00 = CALM.
 DATA IN COLS. 6 AND 12-15 ARE BASED ON 7 OR

MORE OBSERVATIONS PER DAY AT 3-HOUR INTERVALS.
 FASTEST MILE WIND SPEEDS ARE FASTEST OBSERVED ONE-MINUTE VALUES WHEN DIRECTIONS ARE IN TENS OF DEGREES. THE / WITH THE DIRECTION INDICATES PEAK DUST SPEED.
 ANY ERRORS DETECTED WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL SUMMARY

SUMMARY BY HOURS

HOUR LOCAL TIME	SKY COVER TENTHS	STATION PRESSURE IN.	TEMPERATURE				RELATIVE HUMIDITY %	WIND SPEED N.P.H.	DIRECTION	RESULTANT WIND SPEED M.P.H.
			AIR °F	NET BULB °F	DEW PT. °F	WIND DIR.				
01	5	29.99	68	64	62	80	5.9	29	2.8	
04	5	29.99	66	63	61	83	5.3	31	1.7	
07	5	30.02	69	65	62	79	6.3	30	2.4	
10	4	30.03	77	67	62	61	8.3	32	4.1	
13	5	30.01	81	68	62	59	9.8	30	3.1	
16	5	29.87	68	62	61	51	10.2	28	4.0	
19	5	29.87	67	62	64	7.8	24	2.9		
22	5	30.00	71	66	62	75	6.4	26	2.3	

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

DATE	A. M. HOUR ENDING AT												P. M. HOUR ENDING AT											
	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																								
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								
13																								
14																								
15																								
16																								
17																								
18																								
19																								
20																								
21																								
22																								
23																								
24																								
25																								
26																								
27																								
28																								
29																								
30																								
31																								

SUBSCRIPTION PRICE: \$2.55 PER YEAR. FOREIGN MAILING \$1.85 EXTRA. SINGLE COPY: 20 CENTS FOR MONTHLY ISSUE. 20 CENTS FOR ANNUAL SUMMARY. OTHER DATA IN RECORDS ON FILE CAN BE FURNISHED AT COST VIA MICROFILM, MICROFICHE, OR PAPER COPIES OF ORIGINAL RECORDS. MAKE CHECKS PAYABLE TO DEPARTMENT OF COMMERCE, NOAA. SEND PAYMENTS, ORDERS, AND INQUIRIES TO NATIONAL CLIMATIC CENTER, FEDERAL BUILDING, ASHEVILLE, NORTH CAROLINA 28801.

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.

noaa NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / ENVIRONMENTAL DATA SERVICE

Thomas D. Potter
 DIRECTOR, NATIONAL CLIMATIC CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER TENS	CEILING HDS. OF FT.	VISI- BILITY MILES	WEATHER	TEMPERATURE					WIND			SKY COVER TENS	CEILING HDS. OF FT.	VISI- BILITY MILES	WEATHER	TEMPERATURE					WIND			SKY COVER TENS	CEILING HDS. OF FT.	VISI- BILITY MILES	WEATHER	TEMPERATURE					WIND																																																																
					AIR * F	MET BULB * F	DEW * F	REL. HUM.	DIR	SPEED KNOTS	AIR * F	MET BULB * F					DEW * F	REL. HUM.	DIR	SPEED KNOTS	AIR * F	MET BULB * F	DEW * F	REL. HUM.					DIR	SPEED KNOTS	AIR * F	MET BULB * F	DEW * F	REL. HUM.	DIR	SPEED KNOTS																																																														
DAY 01																																	DAY 02																																	DAY 03																																
01	10	200	5	H	74	67	63	69	32	7	0	UNL	15	DAY 02	61	57	54	78	32	5	7	150	25	DAY 03	62	58	55	78	33	5																																																																				
04	10	100	6	H	70	65	62	76	31	8	2	UNL	15		57	54	51	60	33	7	2	UNL	20		57	54	52	63	34	5																																																																				
07	0	UNL	10	H	71	64	60	68	30	10	0	UNL	30		63	58	50	63	30	5	0	UNL	20		64	58	54	70	01	8																																																																				
10	3	UNL	20	H	77	66	60	56	31	13	6	250	30		74	58	48	40	33	8	5	UNL	15		75	63	54	48	07	7																																																																				
13	5	UNL	25	H	79	67	58	30	31	14	8	100	30		77	61	48	36	30	8	8	UNL	12		79	63	53	42	34	7																																																																				
16	1	UNL	25	H	81	67	58	46	33	12	8	100	30		78	61	48	36	30	11	4	UNL	12		77	62	51	40	15	5																																																																				
19	4	UNL	25	H	74	64	58	58	33	8	6	100	30		72	61	54	53	31	7	9	UNL	12		74	65	58	60	18	10																																																																				
22	0	UNL	25	H	69	60	56	73	33	6	8	UNL	30		65	60	57	75	34	4	8	UNL	12		69	63	60	73	10	0																																																																				
DAY 04																																	DAY 05																																	DAY 06																																
01	8	250	15	H	86	62	60	81	00	0	0	UNL	12	DAY 05	66	62	59	78	33	4	9	100	10	DAY 06	73	65	60	64	22	6																																																																				
04	10	250	12	H	85	62	60	84	00	0	0	UNL	8		67	61	58	87	00	0	7	UNL	10		73	67	64	74	21	5																																																																				
07	0	UNL	8	H	78	66	58	90	34	6	8	250	15		76	67	61	60	25	7	5	UNL	6	H	82	71	65	56	23	6																																																																				
10	4	UNL	15	H	81	65	55	41	31	7	2	UNL	15		85	69	59	41	22	12	3	UNL	5	H	87	73	66	50	26	12																																																																				
13	1	UNL	15	H	82	66	55	40	31	7	7	250	12		83	71	65	55	16	10	9	100	5	H	88	72	64	45	24	10																																																																				
16	0	UNL	15	H	78	64	55	45	23	3	8	UNL	6		80	68	61	52	23	5	10	100	4	H	76	69	66	71	34	7																																																																				
22	0	UNL	10	H	69	63	59	71	19	5	10	100	7	DAY 08	74	68	64	71	23	5	10	250	5	H	76	69	66	71	05	7																																																																				
DAY 07																																	DAY 08																																	DAY 09																																
01	10	95	4	H	74	69	67	79	35	5	10	17	8	DAY 08	74	71	70	87	14	7	10	16	6	DAY 09	70	67	66	87	00	0																																																																				
04	10	95	3	H	73	70	68	84	08	9	10	9	7		75	72	70	85	18	9	10	6	6	H	70	68	67	90	06	3																																																																				
07	10	95	2	H	74	71	69	84	12	7	10	7	7		76	73	71	85	20	5	10	18	5	H	72	69	67	84	06	6																																																																				
10	9	95	2	H	80	73	69	88	17	10	10	20	5	RMF	75	71	68	82	30	5	10	13	9	RH	74	69	67	79	06	10																																																																				
13	10	120	3	H	81	73	69	87	18	10	10	40	7		74	70	68	82	04	4	10	15	7		74	70	68	82	04	11																																																																				
16	10	50	5	TRIM	80	73	70	72	23	4	10	21	6	H	76	72	70	82	16	8	10	11	2	B	RF	73	70	68	87	01	13																																																																			
19	10	250	7		77	69	65	67	16	14	10	35	10		73	69	67	82	15	8	10	15	2		72	69	66	87	34	17																																																																				
22	10	200	7		75	71	69	82	17	13	10	12	6		72	69	67	84	15	7	10	85	10		72	69	67	84	32	15																																																																				
DAY 10																																	DAY 11																																	DAY 12																																
01	10	15	10	RH	70	67	65	87	30	13	3	UNL	4	DAY 11	67	64	62	84	33	4	0	UNL	10	DAY 12	70	67	65	84	00	0																																																																				
04	10	70	7	RH	67	64	63	87	27	13	0	UNL	5	H	64	62	61	90	00	0	0	UNL	5	H	68	65	64	87	00	0																																																																				
07	7	85	6	H	67	64	62	84	25	11	5	UNL	4	GFH	66	63	62	87	00	0	4	UNL	1	B	FN	69	67	66	80	25	5																																																																			
10	7	85	7	H	76	68	64	86	30	9	0	UNL	8		80	70	65	60	34	5	1	UNL	5	H	79	70	66	65	24	5																																																																				
13	6	44	7	H	79	69	63	58	24	9	3	UNL	15		83	69	62	49	04	6	6	UNL	6	H	85	72	66	53	22	8																																																																				
16	3	UNL	8	H	82	70	63	53	26	9	5	UNL	15		85	70	62	46	32	7	8	250	6	H	86	72	65	50	20	10																																																																				
19	5	UNL	6	H	77	69	64	84	29	5	3	UNL	10		80	69	63	56	30	3	6	UNL	4	H	79	73	70	74	18	7																																																																				
22	1	UNL	6	H	70	68	64	81	33	3	5	UNL	10	DAY 14	74	68	65	74	26	5	3	UNL	4	H	75	69	66	74	24	5																																																																				
DAY 13																																	DAY 14																																	DAY 15																																
01	0	UNL	3	H	72	67	65	79	19	5	10	100	5	DAY 14	71	68	67	87	08	5	10	120	10	DAY 15	70	67	65	84	18	6																																																																				
04	0	UNL	1	4	H	71	68	67	87	00	0	2	UNL	3	H	70	67	66	87	00	0	0	120	7		70	68	67	90	18	6																																																																			
07	2	UNL	1	4	FM	73	70	68	87	18	3	7	250	1	4	FM	72	69	68	87	32	4	0	19	1	B	F	72	69	68	87	15	5																																																																	
10	3	UNL	1	4	FM	80	74	71	74	27	5	0	UNL	5	H	81	73	69	67	52	6	10	14	5		70	72	70	79	23	8																																																																			
13	3	UNL	4	KH	87	78	72	61	18	8	1	UNL	7	H	85	74	69	59	34	4	6	250	7		84	75	71	65	23	7																																																																				
16	3	UNL	4	KH	88	75	69	53	23	7	1	UNL	7		87	74	68	53	18	6	10	60	5	TRIM	82	74	70	67	29	7																																																																				
19	7	UNL	3	KH	82	76	74	77	16	4	10	85	2	B	TRIM	81	75	73	77	18	7	10	95	7		71	68	67	87	24	10																																																																			
22	10	80	6	TRIM	80	73	70	72	24	4	10	100	6		72	68	66	82	16	6	7	100	8		70	66	64	81	29	5																																																																				
DAY 16																																	DAY 17																																	DAY 18																																
01	10	120	15		67	63	61	81	30	4	0	UNL	20	DAY 17	60	56	53	78	31	5	0	UNL	12	DAY 18	65	60	56	73	32	7																																																																				
04	10	250	7		65	62	60	84	33	6	0	UNL	15		59	55	51	75	32	4	2	UNL	10		65	59	55	70	33	6																																																																				
07	7	250	10		64	61	59	84	32	6	1	UNL	25		64	58	53	88	31	10	3	UNL	15		69	62	57	66	35	9																																																																				
10	2	UNL	30		72	62	55	55	32	14	4	UNL	30		73	61	53	50	34	10	0	UNL	25		78	64	56	45	06	13																																																																				
13	2	UNL	30		76	62	52	43	33	9	6	UNL	30		78	65	57	49	33	10	0	UNL	25		81	64	53	38	05	12																																																																				
16	2	UNL	30		77	62	52	42	32	13	3	UNL	25		82	67	58	44	33	12	0	UNL	20		82	63	50	33	04	12																																																																				
19	0	UNL	30		80	63	53	37	7	4	UNL	30		85	69	58	38	31	7	4	UNL	20		81	69	56	32	07	6																																																																					
22	0	UNL	25		63	58	55	75	30	5	4	UNL	20		69	62	58	68	32	5	0	UNL	20		68	61	56	66	00	7																																																																				
DAY 19																																	DAY 20																																	DAY 21																																
01	0	UNL	15		66	60	55	68	07	7	0	UNL	15	DAY 20	58	56	55	90	31	5	3	UNL	10	DAY 21	63	59	57	81	24	4																																																																				
04	0	UNL	12		65	58	54	68	06	9	1	UNL	10		61	58	57	87	00	0	0	UNL	8		60	56	54	80	00	0																																																																				
07	0	UNL	20		65	58	53	63	03	9	0	UNL	10		64	60	58	81	29	4	0	UNL	6		64	60	58	81	29	4																																																																				
10	0	UNL	25		73	58	48	41																																																																																										