

Local Climatological Data



MONTHLY SUMMARY

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

DATE	TEMPERATURE °F			DEGREE DAYS BASE 65°		WEATHER TYPES ON DATES OF OCCURRENCE	SNOW, ICE PELLETS OR ICE ON GROUND AT 07AM	PRECIPITATION		AVG. STATION PRESSURE IN.	WIND			SUNSHINE		SKY COVER TENTHS		DATE				
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT			HEATING (SEASON BEGINS WITH JULY)	COOLING (SEASON BEGINS WITH APRIL)		WATER EQUIV. IN.	SNOW, ICE PELLETS IN.	RESULTANT DIRECTION	RESULTANT SPEED M.P.H.	AVERAGE SPEED M.P.H.	FASTEST MILE M.P.H.	MINUTES		PERCENT OF POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	
1	91	75	83	7	74	0	18	2	8	0	0	0	29.88	17	7.2	7.6	14	18	6	4	1	
2	90	75	83	7	74	0	18	1	3	0	0	0	29.84	15	2.4	10.4	35	31	6	8	2	
3	87	74	81	5	73	0	18	1	3	0	0	0	29.81	33	1.5	6.8	10	14	6	6	3	
4	91	74	83	7	71	0	18	1	3	0	0	0	29.84	35	5.5	5.8	10	11	6	6	4	
5	92	70	81	6	67	0	16	1	3	0	0	0	29.93	31	7.1	8.1	12	32	1	0	5	
6	90	72	81	6	67	0	16	1	3	0	0	0	29.89	32	7.4	8.3	15	31	3	3	6	
7	84	63	74	-1	58	0	9	0	0	0	0	0	29.88	33	2.8	7.9	13	23	3	3	7	
8	92	72	82	7	67	0	17	1	3	0	0	0	29.90	30	6.5	9.4	17	25	6	7	8	
9	87	71	79	4	63	0	14	0	0	0	0	0	29.89	33	4.8	7.6	15	01	5	5	9	
10	94*	71	83*	8	69	0	18	3	8	0	0	0	29.82	23	9.2	9.8	20	24	3	3	10	
11	85	64	75	0	64	0	10	3	8	0	0	0	29.76	01	6.4	9.2	18	06	6	6	11	
12	64	58	61*	-14	57	4	0	1	8	0	0	0	29.81	03	14.7	15.4	20	03	10	10	12	
13	78	56	67	-8	54	0	2	0	0	0	0	0	29.95	32	8.4	10.8	17	31	2	2	13	
14	83	63	73	-1	61	0	8	0	0	0	0	0	29.93	25	9.1	10.8	16	26	6	6	14	
15	73	57	65	-9	50	0	0	0	0	0	0	0	29.98	31	12.5	12.7	18	32	7	5	15	
16	76	52	64	-10	49	1	0	0	0	0	0	0	30.12	33	7.5	8.6	14	34	2	7	16	
17	77	49*	63	-11	46	2	0	0	0	0	0	0	30.17	34	3.0	5.2	10	03	1	5	17	
18	70	59	65	-9	58	0	0	1	8	0	0	0	30.01	18	7.9	7.9	13	18	10	10	18	
19	82	64	73	-1	66	0	8	2	8	0	0	0	29.91	29	1.8	3.2	8	34	6	8	19	
20	84	65	75	1	63	0	10	1	8	0	0	0	29.86	11	1.9	7.5	15	01	9	7	20	
21	77	52	70	-4	62	0	5	1	8	0	0	0	30.01	14	2.2	6.3	9	17	8	8	21	
22	82	56	69	-4	60	0	4	1	8	0	0	0	30.04	16	5.1	6.3	13	18	2	1	22	
23	82	61	72	-1	65	0	7	2	8	0	0	0	30.04	14	9.1	10.4	18	17	8	8	23	
24	81	72	77	4	71	0	12	3	8	0	0	0	29.96	16	10.1	10.5	16	16	8	9	24	
25	88	72	80	7	71	0	15	1	3	0	0	0	29.97	23	8.4	7.9	13	22	8	9	25	
26	84	70	77	4	70	0	12	1	3	0	0	0	30.05	10	3.6	6.8	12	05	9	9	26	
27	88	72	80	7	72	0	15	1	3	0	0	0	29.95	22	6.6	8.3	16	31	7	8	27	
28	84	70	77	5	70	0	12	1	3	0	0	0	29.93	16	5.9	6.9	21	17	7	8	28	
29	87	73	80	8	71	0	15	1	3	0	0	0	29.90	20	9.3	9.9	17	23	9	9	29	
30	89	72	81	9	71	0	16	1	3	0	0	0	29.89	28	4.4	5.5	12	30	7	7	30	
31	87	68	78	6	64	0	13	0	0	0	0	0	29.89	36	4.3	7.1	14	35	2	2	31	
SUM	SUM					TOTAL	TOTAL			TOTAL	TOTAL		FOR THE MONTH					TOTAL	%	SUM	SUM	
2599	2052					7	324			6.11	0	29.85	27	1.5	8.3	35	31			FOR	189	189
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.														MONTH	AVG.	AVG.
83.8	66.2	75.0	0.9	64		42														6.1	6.1	
NUMBER OF DAYS		MINIMUM TEMP.		TOTAL		TOTAL		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE										
7		32°		11		836		0		PRECIPITATION		SNOW, ICE PELLETS										
7		0		11		-25		CLEAR 8		PARTLY CLOUDY 12		CLOUDY 11										

AUGUST 1979 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 DR

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 GUST SPEED.
 ANY ERRORS DETECTED WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL SUMMARY

SUMMARY BY HOURS

HOUR	LOWE	SKY COVER TENTS	STATION PRESSURE IN.	TEMPERATURE				RELATIVE HUMIDITY %	WIND SPEED M.P.H.		DIRECTION	SPEED M.P.H.
				AIR °F	NET BULB °F	DEW PT. °F	MIN		MAX			
01	6	29.94	70	66	64	83	6.6	25	1.9			
04	9	29.94	68	65	63	84	6.1	28	1.2			
07	6	29.97	71	65	64	80	7.6	33	1.6			
10	6	29.98	77	69	65	67	9.6	34	2.1			
13	6	29.95	81	71	66	60	10.2	26	1.3			
16	6	29.92	81	70	64	58	11.6	27	4.2			
19	7	29.93	75	68	64	70	7.8	24	1.9			
22	7	29.95	72	67	65	80	6.6	22	1.6			

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

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	.30	T																				3	
4		.02																						4	
5																								5	
6																								6	
7																								7	
8						.01	T																	8	
9																								9	
10																								10	
11																								11	
12		.02	.02	.03	.06	T	T	.01	.02	.03	.07	.07	.03	.05	.05	.07	.14	.01	T	.03	T	T	.01	12	
13																								13	
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29																								29	
30						.52	T							.07	T								.08	30	
31																								31	

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Daniel B. Mitchell
 DIRECTOR, NATIONAL CLIMATIC CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	TEMPERATURE				WIND	SKY COVER %	VISI-BILITY				WEATHER	TEMPERATURE				WIND	SKY COVER %	VISI-BILITY				WEATHER	TEMPERATURE				WIND					
	AIR °F	WET BULB °F	DEW PT. °F	REL. HUM. %			AIR °F	WET BULB °F	DEW PT. °F	REL. HUM. %		AIR °F	WET BULB °F	DEW PT. °F	REL. HUM. %			AIR °F	WET BULB °F	DEW PT. °F	REL. HUM. %		AIR °F	WET BULB °F	DEW PT. °F	REL. HUM. %		AIR °F	WET BULB °F	DEW PT. °F	REL. HUM. %	
DAY 01																																
01	0	UNL	2	4	2	0	77	75	74	91	19	6	0	UNL	5	H	79	75	74	85	17	5	10	28	3	RW	75	73	71	87	26	6
04	0	UNL	1	1	0	75	72	71	87	20	4	0	0	UNL	5	H	77	75	74	91	14	5	4	UNL	2	F	74	72	71	90	00	0
07	0	UNL	1	1	0	76	74	73	90	00	0	0	0	UNL	3	H	79	76	75	88	13	8	5	UNL	1	H	76	74	73	90	04	5
10	0	UNL	1	1	0	83	77	75	77	13	4	0	6	13	2	H	85	79	77	77	19	9	8	11	2	H	82	76	73	74	08	7
13	2	UNL	7	7	0	89	80	76	65	16	11	5	UNL	3	H	90	81	78	68	14	13	8	55	2	H	85	78	75	72	14	9	
16	0	UNL	8	8	0	88	78	74	63	17	12	10	3	0	H	75	71	69	82	32	23	7	45	3	H	81	76	74	79	31	8	
19	4	UNL	7	7	0	82	76	74	77	18	8	10	20	1	H	76	74	73	80	36	3	10	36	1	H	76	74	73	90	29	6	
22	0	UNL	7	7	0	80	77	76	88	14	8	10	55	6	H	76	73	72	87	12	7	10	70	2	H	76	74	73	90	32	6	
DAY 02																																
01	10	50	1	1	0	76	74	73	90	36	6	0	UNL	7	H	73	68	66	79	30	5	0	UNL	7	H	75	70	68	79	28	5	
04	10	60	3	3	0	76	74	73	90	34	5	0	UNL	6	H	72	67	65	79	30	6	0	UNL	5	H	72	68	66	82	31	7	
07	10	80	1	1	0	78	74	73	85	00	0	0	UNL	3	H	76	70	67	74	31	7	4	UNL	3	H	76	70	67	74	30	7	
10	10	70	3	3	0	82	74	71	69	35	8	0	UNL	5	H	86	74	68	55	36	9	0	UNL	5	H	86	75	70	58	32	9	
13	0	250	6	6	0	88	75	69	53	36	6	4	UNL	5	H	80	75	68	50	32	10	5	UNL	5	H	89	76	70	54	30	6	
16	3	UNL	6	6	0	88	76	68	48	35	8	0	UNL	6	H	91	74	66	44	32	8	2	UNL	6	H	89	74	68	53	31	12	
19	0	UNL	7	7	0	82	73	69	65	31	7	0	UNL	7	H	84	72	66	55	26	5	3	UNL	7	H	79	69	64	60	01	8	
22	0	UNL	7	7	0	78	72	68	69	00	0	0	UNL	7	H	78	71	68	71	27	4	10	70	10	H	76	69	65	69	01	4	
DAY 03																																
01	4	UNL	8	8	0	73	66	61	66	36	10	10	UNL	7	H	72	68	66	82	18	9	8	UNL	10	H	75	69	66	74	31	5	
04	0	UNL	8	8	0	65	58	54	68	36	9	10	250	6	FH	72	67	65	82	26	11	5	UNL	10	H	61	59	57	87	05	17	
07	0	UNL	15	15	0	68	60	54	61	02	7	10	250	9	H	77	70	66	69	31	11	9	UNL	12	H	76	68	63	64	35	8	
10	1	UNL	12	12	0	77	66	59	54	04	6	0	UNL	6	H	86	75	69	59	31	6	0	UNL	15	H	83	67	58	43	01	13	
13	2	UNL	15	15	0	81	68	60	49	27	4	2	UNL	7	H	90	76	70	52	34	11	4	UNL	15	H	86	69	60	42	32	8	
16	2	UNL	15	15	0	83	68	60	46	23	8	5	UNL	12	H	90	72	63	41	32	11	9	220	15	H	86	70	61	43	28	6	
19	0	250	8	8	0	77	67	61	58	23	5	8	UNL	15	H	83	71	64	53	22	4	9	UNL	12	H	81	69	63	54	22	4	
22	5	UNL	8	8	0	73	67	64	74	21	6	5	UNL	15	H	80	71	66	62	00	0	10	90	12	H	78	70	65	64	21	5	
DAY 04																																
01	10	50	1	1	0	76	74	73	90	36	6	0	UNL	7	H	73	68	66	79	30	5	0	UNL	7	H	75	70	68	79	28	5	
04	10	60	3	3	0	76	74	73	90	34	5	0	UNL	6	H	72	67	65	79	30	6	0	UNL	5	H	72	68	66	82	31	7	
07	10	80	1	1	0	78	74	73	85	00	0	0	UNL	3	H	76	70	67	74	31	7	4	UNL	3	H	76	70	67	74	30	7	
10	10	70	3	3	0	82	74	71	69	35	8	0	UNL	5	H	86	74	68	55	36	9	0	UNL	5	H	86	75	70	58	32	9	
13	0	250	6	6	0	88	75	69	53	36	6	4	UNL	5	H	80	75	68	50	32	10	5	UNL	5	H	89	76	70	54	30	6	
16	3	UNL	6	6	0	88	76	68	48	35	8	0	UNL	6	H	91	74	66	44	32	8	2	UNL	6	H	89	74	68	53	31	12	
19	0	UNL	7	7	0	82	73	69	65	31	7	0	UNL	7	H	84	72	66	55	26	5	3	UNL	7	H	79	69	64	60	01	8	
22	0	UNL	7	7	0	78	72	68	69	00	0	0	UNL	7	H	78	71	68	71	27	4	10	70	10	H	76	69	65	69	01	4	
DAY 05																																
01	10	50	1	1	0	76	74	73	90	36	6	0	UNL	7	H	73	68	66	79	30	5	0	UNL	7	H	75	70	68	79	28	5	
04	10	60	3	3	0	76	74	73	90	34	5	0	UNL	6	H	72	67	65	79	30	6	0	UNL	5	H	72	68	66	82	31	7	
07	10	80	1	1	0	78	74	73	85	00	0	0	UNL	3	H	76	70	67	74	31	7	4	UNL	3	H	76	70	67	74	30	7	
10	10	70	3	3	0	82	74	71	69	35	8	0	UNL	5	H	86	74	68	55	36	9	0	UNL	5	H	86	75	70	58	32	9	
13	0	250	6	6	0	88	75	69	53	36	6	4	UNL	5	H	80	75	68	50	32	10	5	UNL	5	H	89	76	70	54	30	6	
16	3	UNL	6	6	0	88	76	68	48	35	8	0	UNL	6	H	91	74	66	44	32	8	2	UNL	6	H	89	74	68	53	31	12	
19	0	UNL	7	7	0	82	73	69	65	31	7	0	UNL	7	H	84	72	66	55	26	5	3	UNL	7	H	79	69	64	60	01	8	
22	0	UNL	7	7	0	78	72	68	69	00	0	0	UNL	7	H	78	71	68	71	27	4	10	70	10	H	76	69	65	69	01	4	
DAY 06																																
01	10	50	1	1	0	76	74	73	90	36	6	0	UNL	7	H	73	68	66	79	30	5	0	UNL	7	H	75	70	68	79	28	5	
04	10	60	3	3	0	76	74	73	90	34	5	0	UNL	6	H	72	67	65	79	30	6	0	UNL	5	H	72	68	66	82	31	7	
07	10	80	1	1	0	78	74	73	85	00	0	0	UNL	3	H	76	70	67	74	31	7	4	UNL	3	H	76	70	67	74	30	7	
10	10	70	3	3	0	82	74	71	69	35	8	0	UNL	5	H	86	74	68	55	36	9	0	UNL	5	H	86	75	70	58	32	9	
13	0	250	6	6	0	88	75	69	53	36	6	4	UNL	5	H	80	75	68	50	32	10	5	UNL	5	H	89	76	70	54	30	6	
16	3	UNL	6	6	0	88	76	68	48	35	8	0	UNL	6	H	91	74	66	44	32	8	2	UNL	6	H	89	74	68	53	31	12	
19	0	UNL	7	7	0	82	73	69	65	31	7	0	UNL	7	H	84	72	66	55	26	5	3	UNL	7	H	79	69	64	60	01	8	
22	0	UNL	7	7	0	78	72	68	69	00	0	0	UNL	7	H	78	71	68	71	27	4	10	70	10	H	76	69	65	69	01	4	
DAY 07																																
01	4	UNL	8	8	0	73	66	61	66	36	10	10	UNL	7	H	72	68	66	82	18	9	8	UNL	10	H	75	69	66	74	31	5	
04	0	UNL	8	8	0	65	58	54	68	36	9	10	250	6	FH	72	67	65	82	26	11	5	UNL	10	H	61	59	57	87	05	17	
07	0	UNL	15	15	0	68	60	54	61	02	7	10	250	9	H	77	70	66	69	31	11	9	UNL	12	H	76	68	63	64	35	8	
10	1	UNL	12	12	0	77	66	59	54	04	6	0	UNL	6	H	86	75	69	59	31	6	0	UNL	15	H	83	67	58	43	01	13	
13	2	UNL	15	15	0	81	68	60	49	27	4	2	UNL	7	H	90	76	70	52	34	11	4	UNL	15	H	86	69	60	42	32	8	
16	2	UNL	15	15	0	83	68	60	46	2																						