

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		WEATHER TYPES ON DATES OF OCCURRENCE	SNOW, ICE PELLETS OR ICE ON GROUND AT 07AM	PRECIPITATION		AVG. STATION PRES-SURE IN. - ELEV. FEET M.S.L.	WIND				SUNSHINE		SKY COVER TENTHS		DATE
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE	HEATING (SEASON BEGINS WITH JULY)	COOLING (SEASON BEGINS WITH JANUARY)			WATER EQUIVALENT IN.	SNOW, ICE PELLETS IN.		RESULTANT DIR.	RESULTANT SPEED M.P.H.	AVERAGE SPEED K.P.H.	FASTEST MILE	MINUTES	PERCENT OF POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	
1	96	73	85	13	71	0	20	1	0	0	0	29.97	20	6.6	6.9	14	15	3	2	1	
2	98*	74	86*	15	72	0	21	1	0	0	0	29.93	19	6.1	8.3	21	16	2	2	2	
3	89	67	78	7	60	0	13	0	0	0	0	30.08	31	6.2	7.6	13	01	3	3	3	
4	88	60	74	3	61	0	9	0	0	0	0	30.15	17	4.7	9.6	20	15	3	3	4	
5	82	71	77	7	67	0	9	1	0	0	0	30.09	17	9.6	10.4	14	18	3	3	5	
6	89	68	78	7	69	0	12	2	0	0	0	30.09	13	3.6	10.8	13	14	6	3	6	
7	84	63	74	4	55	0	9	0	0	0	0	29.92	33	7.6	8.1	14	33	3	3	7	
8	85	59	72	2	50	0	7	0	0	0	0	30.02	33	6.5	7.2	13	28	2	3	8	
9	87	60	74	4	60	0	9	0	0	0	0	29.98	18	5.3	8.8	15	22	5	5	9	
10	83	59	71	1	54	0	6	1	0	.05	0	29.89	31	6.1	9.4	17	36	3	3	10	
11	81	53	67	-2	48	0	2	0	0	0	0	29.96	30	4.2	7.6	13	24	0	0	11	
12	85	55	70	1	56	0	5	0	0	0	0	30.02	17	3.4	6.9	10	15	2	2	12	
13	82	64	73	4	64	0	8	1	0	0	0	30.10	16	7.8	8.2	17	17	5	5	13	
14	87	69	78	9	67	0	13	1	0	0	0	29.85	22	7.2	8.5	15	20	9	9	14	
15	79	61	70	2	57	0	5	1	0	0	0	29.79	01	10.6	11.2	18	01	6	6	15	
16	75	52	64	-4	54	1	0	0	0	0	0	29.98	11	6.1	9.8	16	12	7	7	16	
17	85	64	75	7	67	0	10	3	0	.73	0	29.86	16	11.0	12.2	22	16	9	9	17	
18	78	60	69	2	63	0	4	1	0	.17	0	29.96	34	6.6	7.3	14	32	8	7	18	
19	80	54	67	0	55	0	2	1	0	0	0	30.15	30	.7	6.0	10	15	2	2	19	
20	79	57	68	1	62	0	3	1	0	0	0	30.10	16	8.3	8.5	20	17	8	6	20	
21	87	65	76	10	68	0	11	1	0	0	0	29.92	19	5.4	6.0	14	18	5	4	21	
22	91	70	81	15	71	0	16	1	0	0	0	29.81	23	5.9	8.1	17	17	2	2	22	
23	89	65	77	11	63	0	12	0	0	0	0	29.78	31	6.3	11.1	17	31	8	8	23	
24	75	58	61	0	50	0	2	0	0	0	0	30.04	05	7.1	3.8	13	12	6	7	24	
25	68	51	65	0	62	0	0	2	0	.49	0	29.97	08	9.2	9.5	14	09	10	10	25	
26	74	52	63	-2	50	2	0	2	0	0	0	29.93	30	10.7	11.7	21	32	2	3	26	
27	65	45	55*	-9	37	10	0	0	0	0	0	30.16	31	8.4	8.6	16	34	1	1	27	
28	75	45*	60	-4	45	5	0	0	0	0	0	30.14	26	4.2	5.3	13	22	7	4	28	
29	74	52	63	-1	54	2	0	1	0	0	0	30.15	08	10.8	11.1	16	06	4	5	29	
30	74	60	67	4	59	0	2	1	0	0	0	29.98	06	10.2	10.8	16	06	10	9	30	

SEPTEMBER 1980 WILMINGTON, DELAWARE

SUM	SUM	TOTAL		TOTAL		TOTAL		TOTAL		FOR THE MONTH:		TOTAL		%		SUM		SUM	
246.3	1816	20	214	NUMBER OF DAYS	1.44	0	29.99	20	.4	8.7	22	16	FOR	150	144	AVG.	AVG.	AVG.	AVG.
82.1	60.5	71.3	3.4	59	-12	95	PRECIPITATION	>.01 INCH	4	-1.98	DATE: 17	POSSIBLE	MONTH	5.0	4.8				

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

SUMMARY BY HOURS

LOCAL TIME	SKY COVER TENS	STATION PRESSURE IN.	TEMPERATURE				RELATIVE HUMIDITY & WIND SPEED		RESULTANT WIND	
			AIR °F	WET BULB °F	DEW PT. °F	RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION	SPEED M.P.H.	
01	4	29.99	66	62	60	81	5.8	29	1.0	
04	5	29.98	64	61	59	84	6.3	33	1.3	
07	4	30.01	65	62	60	83	6.3	36	2.2	
10	4	30.03	75	66	59	60	11.2	04	1.8	
13	5	29.99	80	66	58	48	10.9	21	1.5	
16	5	29.95	80	67	58	50	12.5	18	3.4	
19	5	29.96	72	65	59	65	8.7	17	2.7	
22	4	29.99	68	63	59	73	7.9	22	1.1	

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
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noaa NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / ENVIRONMENTAL DATA AND INFORMATION SERVICE

Daniel B. Mitchell
 DIRECTOR, NATIONAL CLIMATIC CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER			VISI-BILITY	TEMPERATURE				WIND			SKY COVER	VISI-BILITY	WEATHER	TEMPERATURE				WIND			SKY COVER	VISI-BILITY	WEATHER	TEMPERATURE				WIND				
	0-30%	31-50%	51-100%		AIR ° F	NET BULB ° F	DEW PT. ° F	REL. HUM. %	DIR	SPEED KNOTS	AIR ° F				NET BULB ° F	DEW PT. ° F	REL. HUM. %	DIR	SPEED KNOTS	AIR ° F	NET BULB ° F				DEW PT. ° F	REL. HUM. %	DIR	SPEED KNOTS	AIR ° F	NET BULB ° F	DEW PT. ° F	REL. HUM. %	DIR
01	0	UNL	10		75	72	71	87	20	4	0	UNL		DAY 02	78	74	72	82	18	4	3	UNL	12		DAY 03	74	69	67	79	26	3		
04	0	UNL	10		74	72	71	90	00	0	0	UNL			76	74	73	90	17	6	6	UNL	8			71	68	66	84	30	4		
07	5	UNL	4	F	74	74	73	90	19	9	0	UNL			77	75	74	91	00	0	6	UNL	8			72	69	67	84	33	5		
10	3	UNL	8		86	77	73	65	24	6	1	UNL			89	80	76	66	24	4	3	UNL	15			81	66	57	44	01	11		
13	0	UNL	10		94	75	66	56	14	9	2	UNL			92	78	72	52	16	18	2	UNL	20			88	67	53	30	29	9		
16	0	UNL	12		95	75	66	39	19	6	9	85	7		89	75	69	52	23	8	1	UNL	15			80	65	56	44	26	6		
19	1	UNL	9		82	77	75	79	18	9	9	85	7		89	75	69	52	23	8	1	UNL	15			80	65	56	44	26	6		
22	0	UNL	10		80	74	71	74	21	9	3	UNL	15		87	71	67	69	31	6	0	UNL	15			70	63	59	68	31	7		
01	0	UNL	15		66	62	59	78	33	5	4	UNL	10		DAY 05	71	68	66	84	20	8	8	39	3		DAY 06	72	71	70	93	30	3	
04	0	UNL	15		66	62	59	84	30	5	7	55	8			71	68	67	87	17	9	10	1	0			71	70	69	93	00	0	
07	0	UNL	7		66	62	59	78	01	4	10	55	5			71	69	68	90	19	8	8	UNL	1	0			71	70	69	93	03	4
10	1	UNL	6	H	79	68	62	56	04	5	10	30	8			75	69	65	71	19	9	10	UNL	5	H			82	71	66	58	05	8
13	8	UNL	6		87	69	58	37	17	13	10	34	10			80	71	66	62	14	10	7	UNL	8	H			87	71	66	45	14	8
16	7	UNL	10		83	71	65	55	18	14	4	UNL	10			81	72	68	65	14	11	2	UNL	9	H			86	74	68	55	14	11
19	10	250	15		78	64	58	40	21	10	2	UNL	38			75	72	70	85	17	11	0	UNL	3	H			79	73	71	77	16	9
22	0	UNL	15		76	68	63	64	18	14	4	UNL	10			73	70	69	87	19	6	0	UNL	4	H			74	70	68	82	32	4
01	3	UNL	4	H	71	68	67	87	29	5	5	UNL	15		DAY 08	64	57	52	65	34	5	2	UNL	12		DAY 09	65	60	57	75	01	4	
04	3	UNL	10		69	63	60	73	35	7	1	UNL	12			61	56	53	75	35	4	0	UNL	7			61	58	56	84	35	4	
07	3	UNL	4		69	62	58	68	33	9	1	UNL	12			64	58	54	70	31	7	1	UNL	7			66	60	56	70	04	4	
10	2	UNL	12		79	63	51	38	36	8	1	UNL	20			77	61	48	36	02	9	0	UNL	10			66	59	54	17	9		
13	2	UNL	15		83	64	50	32	32	9	4	UNL	20			82	63	49	32	34	9	7	250	10			82	69	62	51	17	7	
16	4	UNL	15		83	63	48	30	34	10	1	UNL	20			83	64	51	33	32	9	8	UNL	8			83	72	66	57	18	12	
19	3	UNL	20		72	60	50	46	34	4	3	UNL	15			74	62	53	48	29	5	8	250	7			78	67	60	54	19	10	
22	1	UNL	15		65	58	52	63	33	4	1	UNL	15			69	60	53	57	33	4	10	95	8			75	66	61	62	20	11	
01	10	75	8		73	67	63	71	22	9	0	UNL	15		DAY 11	58	53	48	70	32	8	2	UNL	15		DAY 12	59	57	55	87	32	5	
04	10	85	7	RW	72	67	64	76	23	8	0	UNL	12			55	50	46	72	35	7	2	UNL	15			57	56	55	93	31	4	
07	10	20	9	F	70	67	66	87	29	6	2	UNL	15			57	52	48	72	32	5	3	UNL	10			59	56	53	81	00	0	
10	4	UNL	20		74	63	56	54	36	10	0	UNL	20			71	58	47	43	01	5	1	UNL	12			77	63	53	43	09	8	
13	0	UNL	20		80	60	45	29	31	12	0	UNL	20			77	59	45	32	36	7	1	UNL	15			82	63	50	33	19	8	
16	0	UNL	20		82	61	45	27	35	9	0	UNL	20			80	62	49	44	24	9	0	UNL	15			84	66	55	37	15	8	
19	0	UNL	20		70	58	48	46	32	6	1	UNL	15			71	59	49	46	22	7	2	UNL	15			75	67	63	66	18	8	
22	0	UNL	20		64	55	48	56	34	5	0	UNL	15			63	56	51	65	23	5	0	UNL	10			71	67	65	81	17	7	
01	0	UNL	8		68	63	60	76	00	0	10	4	3		DAY 14	72	71	70	93	18	8	8	220	7		DAY 15	74	69	66	76	06	4	
04	0	UNL	8		66	62	59	78	17	3	10	5	5			69	68	67	93	22	5	5	UNL	9			69	65	63	81	36	5	
07	3	UNL	4	H	67	64	62	84	00	0	10	6	3			73	70	69	87	21	6	5	UNL	7			71	66	63	76	01	10	
10	3	UNL	6	H	76	69	66	71	16	10	3	UNL	5	H		82	73	69	65	20	13	5	UNL	15			74	64	58	58	01	16	
13	4	UNL	12		82	70	64	55	18	11	10	7	6	H		82	71	66	58	00	10	3	UNL	20			78	64	54	44	33	10	
16	7	UNL	15		80	71	66	62	17	15	9	UNL	7	H		86	71	64	48	23	12	9	44	20			74	62	54	50	01	13	
19	7	250	12		73	68	66	79	14	9	9	250	6	H		78	70	66	67	31	6	10	44	15			68	58	51	55	03	12	
22	10	11	10		70	67	66	87	13	9	9	250	5	H		76	71	68	76	22	9	4	UNL	15			63	55	48	58	01	8	
01	1	UNL	12		60	54	49	67	05	6	10	48	10		DAY 17	66	62	59	78	14	7	10	50	8		DAY 18	71	69	68	90	29	5	
04	5	UNL	12		57	53	50	78	36	6	8	56	10			66	62	60	81	14	7	10	10	8			69	68	67	93	02	5	
07	2	UNL	12		56	53	51	83	33	5	10	22	9			67	64	63	87	12	8	10	55	4			69	68	67	93	04	5	
10	5	UNL	9		51	48	47	61	09	7	10	18	9			75	70	67	76	16	19	7	60	5			73	68	66	79	36	10	
13	10	55	9		73	63	57	57	17	8	8	250	7			83	75	71	67	15	16	10	55	8			76	68	63	64	35	11	
16	10	50	9		72	62	55	55	12	12	9	UNL	6	H		82	76	73	74	16	13	9	55	8			77	65	58	52	31	10	
19	10	55	9		67	61	56	68	13	10	10	250	10			78	74	73	85	18	7	1	UNL	8			68	62	58	71	34	5	
22	10	50	10		65	60	57	75	12	14	10	60	5			73	70	69	87	23	8	0	UNL	12			64	59	56	75	00	0	
01	0	UNL	10		59	57	56	90	33	4	0	UNL	10		DAY 20	62	59	57	84	00	0	4	UNL	7		DAY 21	67	64	63	87	00	0	
04	0	UNL	9		56	55	54	93	34	4	0	UNL	6			61	59	58	90	00	0	2	UNL	4			65	64	64	97	20	4	
07	0	UNL	8	F	58	56	55	90	03	5	2	UNL	3	F		62	60	59	90	00	0	2	UNL	2			66	65	65	97	00	0	
10	3	UNL	8		60	61	55	59	28	6	10	19	4	H		73	67	64	74	17	13	5	UNL	4			77	72	70	79	23	8	
13	3	UNL	10		79	63	51	38	03	4	4	UNL	7			78	68	63	60	15	17	4	UNL	6			86	75	70	59	17	9	
16	2	UNL	10		77	63	54	45	15	9	10	34	7			76	68	64	66	17	16	7	95	7			82						