

Local Climatological Data



MONTHLY SUMMARY

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

SEPTEMBER 1976 WILMINGTON, DELAWARE

DATE	TEMPERATURE °F			DEGREE DAYS		WEATHER TYPES ON DATES OF OCCURRENCE	SNOW, ICE PELLETS OR ICE ON GROUND AT 07AM	PRECIPITATION		AVG. STATION PRE-SURE IN.	WIND				SUNSHINE		SKY COVER TENTHS		DATE		
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEN POINT			HEATING (SEASON BEGINS WITH JULY)	COOLING (SEASON BEGINS WITH JAN.)		WATER EQUIVA- LENT IN.	SNOW, ICE PELLETS IN.	RESULTANT DIR.	RESULTANT SPEED M.P.H.	AVERAGE SPEED M.P.H.	FASTEST MILE SPEED M.P.H.	DIRECTION	MINUTES		PERCENT OF POSSIBLE	SUNRISE TO SUNSET
1	83	55	68	-3	55	0	4	0	0	30.02	22	7.1	8.3	16	23	9	7	1	1		
2	73	61	67	-4	61	0	2	1	8	0	0	30.03	34	3.7	6.8	14	01	10	10		
3	74	58	66	-5	55	0	1	0	0	30.14	11	2.3	7.1	10	14	9	5	10	10		
4	80	55	68	-3	60	0	3	1	8	0	0	29.86	21	5.1	8.2	15	18	4	4		
5	84	60	72	1	59	0	7	2	8	0	0	29.82	30	6.1	8.3	15	32	9	3		
6	75	52	64	-7	46	1	0	0	0	30.02	32	7.6	8.1	15	34	0	0	0	0		
7	81	49	65	-5	48	0	0	0	0	30.10	29	6.9	7.8	14	25	1	1	0	0		
8	90	62	76*	5	55	0	11	0	0	30.04	29	7.0	7.5	13	30	2	2	0	0		
9	86	63	75	0	62	0	10	1	8	0	0	30.00	12	2.7	7.6	13	18	1	1		
10	72	55	64	-6	57	1	0	1	8	0	0	29.74	30	6.8	10.2	16	31	10	10		
11	77	49	63	-6	45	2	0	0	0	29.86	26	8.7	9.6	17	24	1	1	10	10		
12	86	53	70	-1	52	0	5	0	0	30.07	30	6.8	7.6	14	30	9	9	10	10		
13	90*	58	74	0	56	0	9	0	0	30.24	33	3.5	4.0	10	05	0	0	10	10		
14	68	58	74	0	60	0	9	1	8	0	0	30.19	16	4.0	5.8	15	18	5	5		
15	76	64	70	0	64	0	5	1	8	0	0	30.10	09	3.6	4.5	10	08	10	10		
16	75	68	72	4	67	0	7	1	8	0	0	29.98	09	10.0	10.6	15	08	10	10		
17	82	66	74	6	67	0	9	1	8	0	0	29.90	17	5.7	7.1	13	16	8	7		
18	79	61	70	3	60	0	5	1	8	0	0	29.84	25	7.0	8.6	15	27	6	5		
19	83	61	72	5	57	0	6	0	0	29.80	29	8.1	8.5	13	31	1	2	19	19		
20	83	58	71	4	59	0	7	8	8	0	0	29.66	24	6.2	6.9	15	22	7	6		
21	66	52	60	-6	58	0	0	1	8	0	0	29.53	26	4.1	5.8	10	19	8	5		
22	68	48	58	-8	43	7	0	0	0	29.78	30	9.2	9.4	16	32	2	2	22	22		
23	78	43*	61	-5	46	4	0	0	0	30.03	22	7.8	8.8	18	24	3	4	23	23		
24	71	56	64	-1	47	1	0	0	0	30.05	35	4.4	7.1	13	03	9	8	24	24		
25	69	56	63	-2	51	2	0	0	0	30.02	04	3.3	5.2	7	06	10	9	25	25		
26	74	55	65	-1	61	0	0	1	8	0	0	29.91	17	8.2	10.4	17	16	10	10		
27	75	66	71	7	66	0	6	1	8	0	0	29.68	24	7.0	7.5	14	23	10	10		
28	71	52	62	-7	52	3	0	1	8	0	0	29.83	33	9.1	9.5	15	36	4	4		
29	69	46	57	-8	47	8	0	0	0	29.89	27	5.7	7.2	13	20	6	6	29	29		
30	58	51	55*	-8	53	10	0	1	8	0	0	29.76	04	7.5	8.8	18	06	10	9		
SUM	2318	1691				44	106			2.11	0	29.93	29	2.7	7.7	18	06			169	153
AVG.	77.3	56.4	66.9	-1.0	56	12	13													5.6	5.1

* 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.	AVERAGE TEMPERATURE				RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION	SPEED M.P.H.
			AIR °F	NET °F	BUILD °F	DEW PT. °F				
01	5	29.94	61	58	55	81	5.0	30	2.4	
04	4	29.93	60	57	55	83	5.7	30	2.8	
07	5	29.96	61	58	56	84	5.9	30	1.9	
10	5	29.87	70	62	56	62	9.5	29	2.8	
13	5	29.93	76	63	55	59	10.6	26	4.5	
16	5	29.80	75	63	55	51	10.8	27	4.8	
19	5	29.81	68	61	56	66	8.1	22	2.6	
22	5	29.83	64	60	57	77	6.3	29	1.3	

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

HOUR	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
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OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	TEMPERATURE					WIND					VISIBILITY					TEMPERATURE					WIND					VISIBILITY																	
	SKY COVER	CEILING	MOVS. OF FT.	REL. HUM.	WIND	SKY COVER	CEILING	MOVS. OF FT.	REL. HUM.	WIND	SKY COVER	CEILING	MOVS. OF FT.	REL. HUM.	WIND	SKY COVER	CEILING	MOVS. OF FT.	REL. HUM.	WIND	SKY COVER	CEILING	MOVS. OF FT.	REL. HUM.	WIND	SKY COVER	CEILING	MOVS. OF FT.	REL. HUM.	WIND	SKY COVER	CEILING	MOVS. OF FT.	REL. HUM.	WIND								
DAY 01																																											
01	0	UNL	15	57	53	50	78	00	0	10	120	12	10	68	63	60	73	00	0	10	22	10	62	59	57	84	04	6															
04	0	UNL	15	55	52	50	83	31	4	10	10	10	4	66	63	62	87	20	4	10	22	10	58	56	55	90	36	6															
07	10	250	7	59	57	55	87	22	5	10	10	85	10	65	63	62	80	29	5	3	UNL	8	60	58	56	87	04	6															
10	10	250	7	75	66	55	62	20	13	10	15	7	10	70	66	63	75	27	7	4	UNL	9	67	60	55	66	06	7															
13	10	250	15	80	65	55	42	25	13	10	15	7	10	70	66	63	75	27	7	4	UNL	9	73	61	52	48	21	7															
16	10	250	15	82	65	53	37	22	10	10	15	7	10	71	66	63	76	02	12	3	UNL	12	74	61	51	45	16	5															
19	10	120	12	74	63	56	54	18	6	10	15	7	10	65	61	59	81	02	8	3	UNL	10	67	62	58	73	17	8															
22	10	120	12	71	64	60	68	20	7	10	14	10	10	63	59	57	81	02	7	1	UNL	12	62	58	55	78	16	5															
DAY 02																																											
01	7	32	10	60	58	56	87	00	0	0	UNL	5	3	63	61	60	90	21	4	1	UNL	25	58	52	47	67	35	5															
04	0	UNL	8	57	55	54	90	29	4	0	UNL	5	3	64	62	61	80	18	5	0	UNL	25	52	48	47	83	33	6															
07	3	UNL	7	59	57	56	90	32	4	10	2	0	3	65	64	64	97	28	5	0	UNL	25	58	53	48	70	32	6															
10	3	UNL	7	72	65	60	66	24	9	6	100	4	1	66	68	65	69	27	7	0	UNL	30	68	55	43	41	34	9															
13	6	39	5	77	67	61	58	24	10	6	250	6	1	83	69	61	48	32	13	1	UNL	35	72	57	45	38	30	10															
16	4	UNL	7	75	67	63	66	19	12	1	UNL	10	6	82	67	57	43	32	11	1	UNL	35	74	58	45	36	33	8															
19	0	UNL	5	71	67	64	79	17	11	0	UNL	25	5	71	61	54	55	33	7	0	UNL	25	65	54	45	49	26	6															
22	0	UNL	5	68	65	63	84	19	7	0	UNL	25	5	61	61	54	48	33	6	0	UNL	25	57	51	46	67	32	6															
DAY 03																																											
01	7	32	10	60	58	56	87	00	0	0	UNL	5	3	63	61	60	90	21	4	1	UNL	25	58	52	47	67	35	5															
04	0	UNL	8	57	55	54	90	29	4	0	UNL	5	3	64	62	61	80	18	5	0	UNL	25	52	48	47	83	33	6															
07	3	UNL	7	59	57	56	90	32	4	10	2	0	3	65	64	64	97	28	5	0	UNL	25	58	53	48	70	32	6															
10	3	UNL	7	72	65	60	66	24	9	6	100	4	1	66	68	65	69	27	7	0	UNL	30	68	55	43	41	34	9															
13	6	39	5	77	67	61	58	24	10	6	250	6	1	83	69	61	48	32	13	1	UNL	35	72	57	45	38	30	10															
16	4	UNL	7	75	67	63	66	19	12	1	UNL	10	6	82	67	57	43	32	11	1	UNL	35	74	58	45	36	33	8															
19	0	UNL	5	71	67	64	79	17	11	0	UNL	25	5	71	61	54	55	33	7	0	UNL	25	65	54	45	49	26	6															
22	0	UNL	5	68	65	63	84	19	7	0	UNL	25	5	61	61	54	48	33	6	0	UNL	25	57	51	46	67	32	6															
DAY 04																																											
01	7	32	10	60	58	56	87	00	0	0	UNL	5	3	63	61	60	90	21	4	1	UNL	25	58	52	47	67	35	5															
04	0	UNL	8	57	55	54	90	29	4	0	UNL	5	3	64	62	61	80	18	5	0	UNL	25	52	48	47	83	33	6															
07	3	UNL	7	59	57	56	90	32	4	10	2	0	3	65	64	64	97	28	5	0	UNL	25	58	53	48	70	32	6															
10	3	UNL	7	72	65	60	66	24	9	6	100	4	1	66	68	65	69	27	7	0	UNL	30	68	55	43	41	34	9															
13	6	39	5	77	67	61	58	24	10	6	250	6	1	83	69	61	48	32	13	1	UNL	35	72	57	45	38	30	10															
16	4	UNL	7	75	67	63	66	19	12	1	UNL	10	6	82	67	57	43	32	11	1	UNL	35	74	58	45	36	33	8															
19	0	UNL	5	71	67	64	79	17	11	0	UNL	25	5	71	61	54	55	33	7	0	UNL	25	65	54	45	49	26	6															
22	0	UNL	5	68	65	63	84	19	7	0	UNL	25	5	61	61	54	48	33	6	0	UNL	25	57	51	46	67	32	6															
DAY 05																																											
01	7	32	10	60	58	56	87	00	0	0	UNL	5	3	63	61	60	90	21	4	1	UNL	25	58	52	47	67	35	5															
04	0	UNL	8	57	55	54	90	29	4	0	UNL	5	3	64	62	61	80	18	5	0	UNL	25	52	48	47	83	33	6															
07	3	UNL	7	59	57	56	90	32	4	10	2	0	3	65	64	64	97	28	5	0	UNL	25	58	53	48	70	32	6															
10	3	UNL	7	72	65	60	66	24	9	6	100	4	1	66	68	65	69	27	7	0	UNL	30	68	55	43	41	34	9															
13	6	39	5	77	67	61	58	24	10	6	250	6	1	83	69	61	48	32	13	1	UNL	35	72	57	45	38	30	10															
16	4	UNL	7	75	67	63	66	19	12	1	UNL	10	6	82	67	57	43	32	11	1	UNL	35	74	58	45	36	33	8															
19	0	UNL	5	71	67	64	79	17	11	0	UNL	25	5	71	61	54	55	33	7	0	UNL	25	65	54	45	49	26	6															
22	0	UNL	5	68	65	63	84	19	7	0	UNL	25	5	61	61	54	48	33	6	0	UNL	25	57	51	46	67	32	6															
DAY 06																																											
01	7	32	10	60	58	56	87	00	0	0	UNL	5	3	63	61	60	90	21	4	1	UNL	25	58	52	47	67	35	5															
04	0	UNL	8	57	55	54	90	29	4	0	UNL	5	3	64	62	61	80	18	5	0	UNL	25	52	48	47	83	33	6															
07	3	UNL	7	59	57	56	90	32	4	10	2	0	3	65	64	64	97	28	5	0	UNL	25	58	53	48	70	32	6															
10	3	UNL	7	72	65	60	66	24	9	6	100	4	1	66	68	65	69	27	7	0	UNL	30	68	55	43	41	34	9															
13	6	39	5	77	67	61	58	24	10	6	250	6	1	83	69	61	48	32	13	1	UNL	35	72	57	45	38	30	10															
16	4	UNL	7	75	67	63	66	19	12	1	UNL	10	6	82	67	57	43	32	11	1	UNL	35	74	58	45	36	33	8															
19	0	UNL	5	71	67	64	79	17	11	0	UNL	25	5	71	61	54	55	33	7	0	UNL	25	65	54	45	49	26	6															
22	0	UNL	5	68	65	63	84	19	7	0	UNL	25	5	61	61	54	48	33	6	0	UNL	25	57	51	46	67	32	6															
DAY 07																																											
01	0	UNL	25	51	48	46	83	33	5	7	100	20	10	66	58	52	63	27	6	0	UNL	10	68	62	58	71	32	4															
04	0	UNL	25	49	46	44	83	32	4	6	100	20	10	64	58	53	68	28	5	0	UNL	7	64	60	58	81	33	5															
07	0	UNL	25	55	51	48	77	32	4	8	80	15	15	66	58	54	65	29	6	2	UNL	4	68	64	61	76	36	3															
10	0	UNL	25	72	58	46	40	30	10	0	UNL	20	5	81	65	56	42	30	11	0	UNL	6	78	67	60	54	07	3															
13	0	UNL	25	78	60	47	34	28	9	1	UNL	15	15	87	67	55	34	27	6	0	UNL	9	85	70	61	45	10	7															
16	0	UNL	25	81	62	48	32	28	11	0	UNL	15	15	90	68	55	31	32	9	0	UNL	9	82	70	63	53	17	10															
19	3	UNL	20	72	60	52	50	24	6	0	UNL	12	12	78	66	58	48	24	4	0																							