

Local Climatological Data



MONTHLY SUMMARY

LATITUDE 37° 30' N LONGITUDE 77° 20' W ELEVATION (OROUND) 164 FT. STANDARD TIME USED: EASTERN WBAN #13740

DATE	TEMPERATURE °F			DEPARTURE FROM NORMAL	AVERAGE DEW POINT	DEGREE DAYS BASE 65°		WEATHER TYPES ON DATES OF OCCURRENCE	SNOW, ICE PELLETS OR ICE ON GROUND AT 07AM	PRECIPITATION		AVG. STATION PRESSION IN. 177	WIND			SUNSHINE		SKY COVER TENTS		DATE			
	MAXIMUM	MINIMUM	AVERAGE			HEATING (SEASON BEGINS WITH JUNE)	COOLING (SEASON BEGINS WITH JAN.)			WATER EQUIVALENT IN.	SNOW, ICE PELLETS IN.		RESULTANT DIR.	RESULTANT SPEED M.P.H.	AVERAGE SPEED M.P.H.	FASTEST MILE M.P.H.	DIRECTION	MINUTES	PERCENT OF POSSIBLE		SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	
1	86	66	76	-1	64	0	11	1	8	0	0	29.72	23	5.4	5.6	15	W	503	57	8	7	1	
2	87	57	72	-1.5	59	0	7	1	8	0	0	29.89	24	3.2	3.5	10	NW	694	79	3	3	2	
3	81	65	73	-1.4	65	0	8	1	8	0	.10	29.89	19	3.8	4.2	9	NW	26	3	10	10	3	
4	82	62	72	-1.6	64	0	7	1	8	0	.01	29.75	36	3.8	4.9	9	N	273	31	9	9	4	
5	84	59	72	-1.6	63	0	7	1	8	0	0	29.82	07	3.2	4.5	9	E	328	37	7	6	5	
6	84	63	74	-1.4	66	0	9	1	3	8	.16	29.88	14	3.7	4.9	15	SE	173	20	9	9	6	
7	83	68	76	-1.3	67	0	11	1	9	0	0	29.83	21	7.5	7.8	14	SW	330	38	9	8	7	
8	91	60	76	-2.0	64	0	11	1	8	0	0	29.82	20	5.8	6.2	12	SW	529	60	3	3	8	
9	88	67	78	-2.0	67	0	13	1	8	0	0	29.85	36	2.6	5.3	10	NE	328	37	6	6	9	
10	91	62	77	-1.1	66	0	12	1	8	0	.01	29.87	27	2.5	4.0	12	SW	437	50	6	5	10	
11	92	70	81	-1.3	71	0	16	1	3	5	8	.33	29.66	24	6.0	8.6	28	NW	270	31	10	10	11
12	96	67	82	-1.4	64	0	17	1	8	0	0	29.44	29	8.8	11.9	22	NW	581	66	5	5	12	
13	88	53*	71*	-1.7	54	0	6	1	8	0	0	29.54	29	6.3	8.9	17	NW	873	100	1	1	13	
14	90	57	74	-1.4	55	0	9	1	8	0	0	29.64	29	6.2	7.1	13	N	752	86	9	7	14	
15	100*	64	82	-1.4	68	0	17	1	3	8	.68	29.66	28	3.8	6.6	22	SE	611	70	7	6	15	
16	93	69	81	-1.3	70	0	12	1	8	0	0	29.64	28	4.0	6.8	14	W	545	63	6	7	16	
17	96	67	77	-1.1	67	0	16	1	8	0	0	29.73	02	3.7	6.9	9	NE	462	53	6	7	17	
18	85	65	75	-1.5	61	0	10	1	8	0	0	29.95	05	5.0	6.2	11	NE	523	60	7	6	18	
19	89	58	74	-1.4	60	0	9	1	8	0	0	30.06	16	2.0	3.2	11	SE	786	91	3	3	19	
20	92	60	76	-2.2	65	0	11	1	8	0	0	30.00	18	4.1	5.2	14	SE	644	75	6	4	20	
21	95	68	82	-1.4	68	0	17	1	8	0	0	29.84	17	1.3	5.5	11	NW	504	58	4	4	21	
22	91	72	82	-1.4	72	0	17	1	3	8	.17	29.89	05	5.0	6.2	20	E	84	10	10	9	22	
23	87	72	80	-2.2	74	0	15	1	8	0	0	29.90	26	1.2	3.9	8	W	126	15	10	9	23	
24	97	71	84	-1.6	71	0	19	1	3	8	.57	29.75	28	7.8	9.2	19	W	512	60	5	6	24	
25	86	62	74	-1.4	62	0	9	1	8	0	0	29.83	36	6.3	7.6	13	N	809	94	3	4	25	
26	86	57	72	-1.6	59	0	7	1	8	0	0	29.82	13	2.1	3.9	9	SE	704	82	7	6	26	
27	94	67	81	-1.3	69	0	16	1	3	8	0	29.77	21	6.2	7.6	14	SW	489	57	6	7	27	
28	94	70	82	-1.4	72	0	17	1	3	8	.07	29.76	06	.8	3.9	14	S	573	67	6	7	28	
29	96	71	84*	-1.3	73	0	18	1	3	8	.19	29.70	23	4.9	6.6	24	NW	520	61	7	7	29	
30	96	70	83	-1.3	71	0	18	1	3	8	.34	29.67	20	9	3.2	14	SW	493	58	5	6	30	
31	92	70	81	-1.3	73	0	16	2	8	0	0	29.60	23	4.2	5.5	11	SW	548	65	8	8	31	
SUM	SUM				TOTAL	TOTAL				TOTAL	TOTAL		FOR THE MONTH:					TOTAL		SUM	SUM		
2783	2009				0	389		NUMBER OF DAYS		2.63	0	29.78	25	1.7	6.0	28	NW	15029		201	192		
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.		PRECIPITATION		DEP.								DATE: 11	POSSIBLE MONTH	AVG.	AVG.		
89.8	64.8	77.3	-0.6	66	0	-11		*.01 INCH		11	-3.00							26897	56	6.5	6.2		
NUMBER OF DAYS		SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE															
15	0	0	0	0	0	0	99	CLEAR 5	PARTLY CLOUDY 16	CLOUDY 10													

JULY 1976 RICHMOND, VIRGINIA

* 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 12-16 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

HOUR LOCAL TIME	SKY COVER TENTS	STATION PRESSURE IN.	TEMPERATURE			RELATIVE HUMIDITY %		WIND SPEED M.P.H.		RESULTANT WIND	
			AIR °F	WET BULB °F	DEW PT. °F	RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION	SPEED M.P.H.		
01	5	29.79	70	67	65	85	4.6	22	1.4		
04	6	29.78	68	65	64	89	3.5	20	1.4		
07	7	29.81	72	68	66	83	4.9	27	2.0		
10	6	29.82	82	72	67	62	7.9	30	3.5		
13	7	29.79	86	73	66	52	8.2	27	3.5		
16	7	29.75	88	73	65	49	8.4	25	3.4		
19	7	29.76	81	71	66	62	6.9	17	1.1		
22	6	29.79	73	69	67	82	3.5	18	1.7		

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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