

# Local Climatological Data



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

Main monthly summary table with columns for DATE, TEMPERATURE (MAX, MIN, AVG, DEPARTURE, AVERAGE DEW POINT), DEGREE DAYS (BASE 65°), WEATHER TYPES ON DATES OF OCCURRENCE (FOG, HEAVY FOG, THUNDERSTORM, ICE PELLETS, HAIL, CLARE, DUSTSTORM, SMOKE, HAZE, BLOWING SNOW), SNOW (ICE PELLETS ON GROUND AT 07AM, IN.), PRECIPITATION (WATER, SNOW, LEAF, PELLETS, IN.), AVO. STATION PRESSURE (IN.), HIND (RESULTANT DIR., RESULTANT SPEED, AVERAGE SPEED, FASTEST MILE, M.P.H.), SUNSHINE (MINUTES, PERCENT OF POSSIBLE), SKY COVER (TENTHS), and DATE. Includes monthly totals and averages.

SEPTEMBER 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 12-15 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

Table with columns: HOUR LOCAL TIME, SKY COVER TENTHS, STATION PRESSURE IN., TEMPERATURE (AIR °F, WET BULB °F, DEW °F), RELATIVE HUMIDITY %, WIND SPEED M.P.H., DIRECTION, and RESULTANT WIND SPEED M.P.H.

### HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

Table with columns: HOUR ENDING AT (A.M. and P.M.), and rows 1 through 30 showing precipitation amounts in inches for each hour.

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noaa NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / ENVIRONMENTAL DATA SERVICE  
Daniel B. Mitchell  
DIRECTOR, NATIONAL CLIMATIC CENTER

# OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER	WIND DIRECTION	WIND SPEED	VISIBILITY	WEATHER	TEMPERATURE				WIND DIR	WIND SPEED	SKY COVER	WIND DIRECTION	WIND SPEED	VISIBILITY	WEATHER	TEMPERATURE				WIND DIR	WIND SPEED	SKY COVER	WIND DIRECTION	WIND SPEED	VISIBILITY	WEATHER	TEMPERATURE						
						AIR	SEA	DEW	REL. HUM.								AIR	SEA	DEW	REL. HUM.								AIR	SEA	DEW	REL. HUM.	AIR	SEA	DEW
DAY 01																																		
01	4	UNL	15			59	57	55	87	18	4	10	250	12			70	64	63	73	18	3	10	1	0	8	F	62	62	62	100	00	0	
04	2	UNL	15			58	57	56	83	17	4	10	120	12			69	66	64	84	23	4	10	1	0	8	F	65	64	64	97	01	7	
07	5	UNL	10			62	60	58	87	18	5	10	8	2			67	66	66	87	11	4	10	10	1	12	F	65	64	64	97	03	9	
10	10	UNL	10			76	67	61	50	20	2	10	2	1			68	66	65	90	12	4	10	30	2	8	F	69	66	65	87	05	7	
13	10	UNL	10			82	67	58	44	18	6	10	5	3			70	67	66	87	19	3	10	30	3	8	H	74	67	63	68	07	6	
16	10	UNL	10			83	67	57	41	18	7	10	18	3			71	68	66	84	31	3	10	30	3	8	H	76	68	63	64	07	5	
19	8	UNL	10			76	65	58	56	18	4	7	300	2			68	67	65	93	07	3	10	23	3	3	H	71	65	62	73	05	4	
22	10	UNL	10			70	63	58	66	18	4	0	UNL	2			63	62	62	97	00	3	10	25	3	3	H	69	65	63	81	12	8	
DAY 02																																		
01	10	UNL	15			64	63	62	93	00	0	0	UNL	5			67	66	65	93	18	4	10	30	15	15	F	70	61	54	57	02	9	
04	10	UNL	15			61	60	60	93	00	0	0	UNL	5			68	67	66	93	18	3	3	UNL	15	10			62	57	53	73	01	8
07	10	UNL	15			75	70	67	74	24	5	9	UNL	4			81	72	68	65	25	3	1	UNL	12	12			71	61	53	53	34	9
10	8	UNL	15			81	71	66	60	30	4	9	UNL	4			88	74	67	50	30	6	0	UNL	15	10			76	61	49	39	04	7
13	5	UNL	15			82	71	65	56	16	5	10	120	6			86	71	64	48	01	6	0	UNL	15	15			79	60	46	31	08	5
16	4	UNL	15			73	68	66	79	16	4	9	90	6			80	71	67	65	03	7	0	UNL	15	15			67	56	46	47	04	3
19	1	UNL	15			68	65	64	87	00	0	8	90	15			74	63	56	54	01	11	0	UNL	15	15			54	51	48	80	00	0
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NOTES  
CEILING  
UNL INDICATES UNLIMITED

WEATHER  
\* TORNADO  
T THUNDERSTORM  
Q SQUALL  
R RAIN  
RW RAIN SHOWERS  
ZR FREEZING RAIN  
L DRIZZLE  
ZL FREEZING DRIZZLE  
S SNOW  
SP SNOW PELLETS  
IC ICE CRYSTALS  
SM SNOW SHOWERS  
SG SNOW GRAINS  
IP ICE PELLETS  
A HAIL  
F FOG

IF ICE FOG  
GD GROUND FOG  
BD BLOWING DUST  
BS BLOWING SAND  
BN BLOWING SNOW  
BY BLOWING SPRAY  
K SMOKE  
H HAZE  
D DUST

WIND  
DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS. INDICATED IN TENS OF DEGREES FROM TRUE NORTH; I.E., 09 FOR EAST, 18 FOR SOUTH, 27 FOR WEST. ENTRY OF 00 IN THE DIRECTION COLUMN INDICATES CALM.

SPEED IS EXPRESSED IN KNOTS; MULTIPLY BY 1.15 TO CONVERT TO MILES PER HOUR.

STATION  
RICHMOND VA  
YEAR & MONTH  
76 08

U.S. DEPARTMENT OF COMMERCE  
NATIONAL CLIMATIC CENTER  
FEDERAL BUILDING  
ASHEVILLE, N.C. 28801

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