

# Local Climatological Data

## MONTHLY SUMMARY



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

DATE	TEMPERATURE ° F					DEGREE DAYS BASE 65°		WEATHER TYPES ON DATES OF OCCURRENCE				SNOW- ICE PELLETS OR ICE ON GROUND AT 07AM IN.	PRECIPITATION		AVD. STATION PRES- SURE IN. ELEV. FEET M.S.L.	WIND				SUNSHINE		SKY COVER TENTHS		DATE																	
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING (SEASON BEGINS WITH JULY)	COOLING (SEASON BEGINS WITH JUN-1)	1 FOG	2 HEAVY FOG	3 THUNDERSTORM	4 ICE PELLETS		5 MIST	6 GLAZE		7 DUSTSTORM	8 SMOKE, HAZE	9 BLOWING SNOW	WATER EQUIVA- LENT IN	SNOW- ICE PELLETS IN	RESULTANT DIR.	RESULTANT SPEED M.P.H.	AVERAGE SPEED M.P.H.		FASTEST MILE DIRECTION	MINUTES	PERCENT OF POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT												
1																																									
SUM	2584	1797				7	258	NUMBER OF DAYS				1.25	0	29.75	27	2.4	6.6	25	NW	18490	FOR THE MONTH:		18490	FOR	189	181															
AVG.	79.1	59.9	73.0	-1.2	61			PRECIPITATION				8	-2.27										26469	70	6.3	6.0															
SEASON TO DATE												SNOW, ICE PELLETS				GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE																					
NUMBER OF DAYS						TOTAL		THUNDERSTORMS				PRECIPITATION		SNOW, ICE PELLETS																											
MAXIMUM TEMP.	< 32°					4375	494	THUNDERSTORMS				PRECIPITATION		SNOW, ICE PELLETS																											
MINIMUM TEMP.	< 32°					436	89	HEAVY FOG				42		28																											

\* 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 STATION COVER TENTHS	AVERAGES						RESULTANT WIND	
		STATION PRESSURE IN.	AIR ° F	WET BULB ° F	DEW PT. ° F	RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION	SPEED M.P.H.
01	5	29.76	65	63	61	86	4.5	28	.7
04	5	29.74	63	61	60	90	3.7	23	1.2
07	6	29.77	69	65	62	81	5.8	30	3.1
10	6	29.77	70	66	62	58	7.9	28	2.9
13	7	29.74	83	69	60	47	9.1	27	4.6
16	7	29.71	83	69	60	47	9.2	25	3.8
19	7	29.72	78	66	61	59	7.3	27	2.4
22	6	29.76	70	65	61	76	5.1	24	1.1

### HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

M	A. M. HOUR ENDING AT												P. M. HOUR ENDING AT												M															
	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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JUNE 1977 RICHMOND, VIRGINIA

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# OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER			VISI-BILITY	TEMPERATURE				WIND			SKY COVER	VISI-BILITY	TEMPERATURE				WIND													
	FEET	LOW	HIGH		AIR °F	WET BULB °F	DEW PT. °F	REL. HUM. %	DIR	SPEED KNOTS	CEILING FEET			WHOLE MILES	AIR °F	WET BULB °F	DEW PT. °F	REL. HUM. %	DIR	SPEED KNOTS											
01	10	90	3		58	57	66	83	15	7	10	100	4		74	73	73	87	23	7	7	3	UNL	10		63	62	61	83	34	5

NOTES  
CEILING  
UNL INDICATES UNLIMITED

WEATHER  
\* TORNADO  
T THUNDERSTORM  
O SQUALL  
R RAIN  
RW RAIN SHOWERS  
ZR FREEZING RAIN  
L DRIZZLE  
ZL FREEZING DRIZZLE  
S SNOW  
SP SNOW PELLETS  
IC ICE CRYSTALS  
SN SNOW SHOWERS  
SQ SNOW GRAINS  
IP ICE PELLETS  
H HAIL  
F FOG  
IF ICE FOG  
GF GROUND FOG  
BD BLOWING DUST  
BN BLOWING SAND  
BS BLOWING SNOW  
BY BLOWING SPRAY  
K SMOKE  
H HAZE  
O 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  
77 06

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