

Local Climatological Data



MONTHLY SUMMARY

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

DATE	TEMPERATURE °F					DEGREE DAYS BASE 65°		WEATHER TYPES ON DATES OF OCCURRENCE 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW, ICE PELLETS OR ICE ON GROUND AT 07AM IN.	PRECIPITATION		AVG. STATION PRESSURE IN. ELEV. 177 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 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	78	53	66	13	54	0	1															
2	79	51	65	12	35	0	0	3														
3	88	42	65	12	35	0	0															
4	82	59	71	17	51	0	6															
5	90	58	69	15	59	0	4	1														
6	58	36	47	-8	29	18	0															
7	65	31*	48	-7	26	17	0															
8	75	39	57	2	39	8	0															
9	65	56	61	5	52	4	0	1	8													
10	73	45	59	3	39	6	0	1														
11	82	54	68	12	52	0	3		8													
12	87	53	70	13	56	0	5	1	3													
13	54	45	50	-7	45	15	0	1	8													
14	74	47	61	3	50	4	0	1	8													
15	63	40	52	-6	27	13	0															
16	71	34	53	-5	35	12	0															
17	65	58	62	3	51	3	0															
18	65	60	73	14	50	0	6		8													
19	72	52	62	3	36	3	0															
20	63	48	56	-3	42	9	0	1														
21	58	36	47*	-13	22	18	0															
22	72	35	54	-6	39	11	0															
23	80	57	69	9	56	0	4	1	3													
24	71	51	61	0	45	4	0															
25	64	45	55	-6	32	10	0															
26	71	35	53	-8	36	12	0	1														
27	78	52	65	4	52	0	0	1	3	8												
28	89*	52	71	9	55	0	6		8													
29	95	61	73*	11	55	0	8															
30	69	53	61	-1	53	4	0	1	3													
SUM																						
2196	1438					171	45			2.96	0	29.89	23	3.7	10.0	28	SW	15770		199	177	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	AVG.	DEP.			DEP.						DATE: 05		POSSIBLE MONTH		AVG.	AVG.	
73.2	47.9	60.6	2.8	43	-5.5	35				0.19								23701	67	6.6	5.9	
NUMBER OF DAYS		SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF SNOW,														
MAXIMUM TEMP. > 90°		MINIMUM TEMP. < 32°		> 1.0 INCH		PRECIPITATION		ICE PELLETS OR ICE AND DATE														
0		1		0		248		0														
0		0		248		26		CLEAR 8 PARTLY CLOUDY 7 CLOUDY 15														

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
 T 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

HOUR LOCAL TIME	SKY COVER TENTHS	STATION PRESSURE IN.	TEMPERATURE			RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION	SPEED M.P.H.	
			AIR °F	NET BULB °F	DEW PT. °F					
01	5	29.89	55	49	43	65	8	7	22	3.0
04	5	29.89	53	48	42	70	8	1	21	2.6
07	6	29.93	53	48	43	71	7	5	23	2.1
10	7	29.94	62	53	44	54	12	6	23	5.3
13	7	29.89	68	56	44	46	12	5	24	5.3
16	7	29.83	70	57	44	42	11	9	24	6.0
19	6	29.84	65	54	44	49	10	0	19	3.4
22	5	29.89	59	51	44	60	8	6	21	3.1

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			
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Daniel B. Mitchell
 DIRECTOR, NATIONAL CLIMATIC CENTER

APRIL 1981 RICHMOND, VIRGINIA

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER TENTHS	CEILING HDS. OF FT.	VISI- BILITY MILES	WEATHER	TEMPERATURE					WIND SPEED KNOTS	SKY COVER TENTHS	CEILING HDS. OF FT.	VISI- BILITY MILES	WEATHER	TEMPERATURE					WIND SPEED KNOTS	SKY COVER TENTHS	CEILING HDS. OF FT.	VISI- BILITY MILES	WEATHER	TEMPERATURE															
					AIR °F	NET BULB °F	DEW PT. °F	REL. HUM. %	DIR						AIR °F	NET BULB °F	DEW PT. °F	REL. HUM. %	DIR						AIR °F	NET BULB °F	DEW PT. °F	REL. HUM. %	DIR	AIR °F	NET BULB °F	DEW PT. °F	REL. HUM. %	DIR						
01	0	UNL	15		57	52	48	72	13	3	0	UNL	12		50	44	36	59	00	0	0	UNL	15		57	52	48	72	13	3	0	UNL	12		50	44	36	59	00	0

NOTES
UNL INDICATES UNLIMITED

- WEATHER
- * TORNADO
 - # THUNDERSTORM
 - Q SQUALL
 - R RAIN
 - RR RAIN SHOWERS
 - ZR FREEZING RAIN
 - L DRIZZLE
 - ZL FREEZING DRIZZLE
 - S SNOW
 - SP SNOW PELLETS
 - IC ICE CRYSTALS
 - SN SNOW SHOWERS
 - SG SNOW GRAINS
 - IP ICE PELLETS
 - A 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
 - 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
81 04

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