

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary



NATIONAL WEATHER SERVICE OFC

LATITUDE 37° 30' N LONGITUDE 77° 20' W ELEVATION (GROUND) 164 FEET TIME ZONE EASTERN HBAN #13740

JAN 1983  
 RICHMOND, VIRGINIA

DATE	TEMPERATURE °F			DEGREE DAYS BASE 65°F		WEATHER TYPES		SNOW ICE PELLETS OR ICE ON GROUND AT 07AM INCHES	PRECIPITATION		AVERAGE STATION PRESSURE IN INCHES	WIND (M.P.H.)			SUNSHINE		SKY COVER (TENTHS)		DATE						
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING (SEASON BEGINS WITH JUL)	COOLING (SEASON BEGINS WITH JAN)		1 FOG	2 HEAVY FOG		3 THUNDERSTORM	4 ICE PELLETS	5 HAIL	6 GLAZE	7 DUSTSTORM	8 SMOKE, HAZE	9 BLOWING SNOW		WATER EQUIVALENT (INCHES)	SNOW, ICE PELLETS (INCHES)	RESULTANT DIR.	RESULTANT SPEED	AVERAGE SPEED	FASTEST MILE
1	45	37	41	4	39	24	0	1	8	0	0	30.06	19	2.6	3.9	14	2	10	10	1					
2	45	38	42	5	41	23	0	1		0	0	29.92	06	1.6	2.3	0	0	10	10	2					
3	44	30	37	0	31	28	0	1		.11	0	29.98	34	9.0	9.2	456	79	1	3	3					
4	40	29	35	-2	23	30	0			0	0	30.32	02	9.3	10.8	580	100	0	1	4					
5	40	31	36	-1	34	29	0	1		.35	0	30.11	34	9.6	9.9	0	0	10	10	5					
6	53	32	43	6	35	22	0	2		0	0	29.89	24	4.1	7.1	442	76	3	3	6					
7	60*	35	48	11	36	17	0	0		0	0	29.75	21	9.3	10.8	582	100	3	2	7					
8	48	30	39	2	29	26	0	0		0	0	30.02	01	5.6	6.0	566	97	4	5	8					
9	46	36	41	4	35	24	0	0		T	0	30.10	01	7.9	8.2	0	0	10	10	9					
10	54	46	50*	13	49	15	0	2		.23	0	29.80	34	5.1	7.8	0	0	10	10	10					
11	56	39	48	11	41	17	0	1		0	0	29.51	22	9.3	9.9	368	63	5	6	11					
12	45	28	37	0	27	28	0	0		T	0	29.67	34	12.6	12.9	257	44	8	6	12					
13	39	20	30	-7	18	35	0		8	0	0	29.99	30	2.7	3.9	589	100	0	0	13					
14	49	23	36	-1	24	29	0	0		T	0	29.98	15	7.2	7.5	569	96	1	3	14					
15	40	34	37	0	33	28	0	1		.12	.1	29.57	24	4.6	7.9	28	5	10	9	15					
16	40	30	35	-3	16	30	0	0		0	0	29.64	28	11.6	11.9	478	81	3	3	16					
17	42	23	33	-5	19	32	0	0		T	0	29.69	27	5.3	7.5	464	78	5	5	17					
18	31	20	26	-12	11	39	0	0		0	0	29.92	32	9.6	10.5	596	100	0	1	18					
19	33	16*	25	-13	7	40	0	0		0	0	30.17	32	10.4	11.4	597	100	0	0	19					
20	33	17	25*	-13	8	40	0	0		0	0	30.32	36	8.9	9.9	471	79	7	6	20					
21	41	23	32	-6	13	33	0	0		0	0	30.24	02	8.4	8.6	373	62	8	9	21					
22	40	33	37	-1	34	28	0	1	4	.50	T	30.04	03	9.9	10.1	0	0	10	10	22					
23	40	36	38	0	38	27	0	1	0	.24	0	29.72	30	6.5	8.1	0	0	10	10	23					
24	50	33	42	4	36	23	0	2	8	.01	0	29.74	27	6.4	8.3	187	31	9	9	24					
25	51	34	43	5	31	22	0	0	8	0	0	29.89	26	4.9	5.0	525	86	7	6	25					
26	49	29	39	1	29	26	0	0	8	0	0	30.00	04	3.0	5.3	587	96	4	4	26					
27	42	31	37	-1	34	28	0	1	8	0	T	30.01	01	8.2	8.3	0	0	10	10	27					
28	45	31	38	0	30	27	0	0	8	0	T	29.93	35	15.2	15.8	474	77	7	6	28					
29	50	26	38	0	27	27	0	0	8	0	0	29.96	07	9	5.8	594	97	1	3	29					
30	58	33	46	8	40	19	0	1	8	0	T	29.78	17	5.0	7.9	152	25	9	8	30					
31	58	32	45	7	36	20	0	1	8	0	0	29.88	18	1.4	1.7	596	96	4	3	31					
SUM	SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:			TOTAL	%	SUM	SUM							
1407	935					836	0			1.59	.1	29.92	33	3.6	8.2		10545	FOR	179	181					
AVG.	AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	PRECIPITATION		DEP.						DATE:	POSSIBLE	MONTH	AVG.	AVG.					
45.4	30.2	37.8	1.2	29	-1.7		0	> .01 INCH.		-1.64							18439	57	5.8	5.8					
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES			GREATEST DEPTH ON GROUND OF												
						TOTAL	TOTAL	> 1.0 INCH					SNOW, ICE PELLETS OR ICE AND DATE												
MAXIMUM TEMP.						2049		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS													
5 90°						2 32°		2 0°		3		.72 22-23		1 15		0									
0						1		19		0		-314		0		CLEAR 10 PARTLY CLOUDY 8 CLOUDY 13									

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.  
 T TRACE AMOUNT.  
 + ALSO ON EARLIER DATE(S).  
 HEAVY FOG: VISIBILITY 1/4 MILE OR LESS.  
 BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.

DATA IN COLS 6 AND 12-15 ARE BASED ON 7 OR MORE OBSERVATIONS AT 3-HOUR INTERVALS. RESULTANT WIND IS THE VECTOR SUM OF WIND SPEEDS AND DIRECTIONS DIVIDED BY THE NUMBER OF OBSERVATIONS. ONE OF THREE WIND SPEEDS IS GIVEN UNDER FASTEST MILE: FASTEST MILE - HIGHEST RECORDED SPEED FOR WHICH A MILE OF WIND PASSES STATION (DIRECTION IN COMPASS POINTS). FASTEST OBSERVED ONE MINUTE WIND - HIGHEST ONE MINUTE SPEED (DIRECTION IN TENS OF DEGREES). PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED (A / APPEARS IN THE DIRECTION COLUMN). ERRORS WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL PUBLICATION.

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER, ASHEVILLE, NORTH CAROLINA, 28801

*L. Ray Hoxit*

**noaa**

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

ACTING DIRECTOR NATIONAL CLIMATIC DATA CENTER

### OBSERVATIONS AT 3-HOUR INTERVALS

JAN 1983 13740  
RICHMOND, VIRGINIA

HOUR	L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISI- BILITY		TEMPERATURE				WIND			SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISI- BILITY		TEMPERATURE				WIND			SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISI- BILITY		TEMPERATURE				WIND		
				WHOLE	MILES	AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	WHOLE			MILES	AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	WHOLE	MILES			AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	WHOLE	MILES	AIR OF
DAY 01																																		
01	10	20	2	F	38	38	37	96	20	5	10	80	4	F	38	38	38	100	00	0	10	7	2	DAY 03	RF	38	38	37	96	35	7			
04	10	16	2	F	39	39	38	96	29	3	10	40	1	F	39	39	39	100	00	0	10	6	4	RF	37	37	37	100	34	8				
07	10	40	2	F	38	38	38	100	00	0	10	3	1	F	40	40	40	100	00	0	10	32	4	RF	37	37	36	96	33	9				
10	10	50	5	F	40	39	38	93	24	5	10	50	2	RF	42	42	42	100	00	0	0	UNL	7	F	37	34	29	73	36	14				
13	10	50	6	FH	44	42	40	86	00	0	10	45	2	RF	45	45	45	100	08	3	1	UNL	8		43	37	29	58	34	8				
16	10	80	5	H	44	43	41	89	15	7	10	13	2	8 F	45	44	44	96	11	5	0	UNL	10		43	37	27	53	34	9				
19	10	80	7		40	40	39	96	18	4	10	30	7		44	43	43	96	35	3	0	UNL	12		35	32	27	73	36	4				
22	10	80	6	F	38	38	37	96	13	3	10	40	7		43	41	39	86	03	5	0	UNL	12		30	29	27	89	33	5				
DAY 02																																		
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DAY 16																																		
DAY 17																																		
DAY 18																																		

### WEATHER CODES

- \* TORNAO
- T THUNDERSTORM
- Q SQUALL
- R RAIN
- RW RAIN SHOWERS
- ZR FREEZING RAIN
- L DRIZZLE
- ZL FREEZING DRIZZLE
- S SNOW
- SH SNOW SHOWERS
- SG SNOW GRAINS
- SP SNOW PELLETS
- IC ICE CRYSTALS
- IP ICE PELLETS
- IPW ICE PELLET SHOWERS
- 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

CEILING: UNL INDICATES UNLIMITED  
WIND DIRECTION: 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. AN ENTRY OF 00 INDICATES CALM  
SPEED: THE OBSERVED AVERAGE ONE-MINUTE VALUE, EXPRESSED IN KNOTS (MPH=KNOTS X 1.15).

OBSERVATIONS AT 3-HOUR INTERVALS

JAN 1983  
RICHMOND, VIRGINIA 13740

HOUR L.S.T.	SKY COVER (TENTHS)				TEMPERATURE				WIND			WEATHER	SKY COVER (TENTHS)				TEMPERATURE				WIND			WEATHER	SKY COVER (TENTHS)				TEMPERATURE				WIND		
	0	10	20	30	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)			0	10	20	30	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)			0	10	20	30	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	
DAY 19																																			
01	0	UNL	12		19	16	05	54	29	7			0	UNL	12		19	19	08	55	33	10		8	70	10		26	22	12	55	01	3		
04	0	UNL	12		17	15	05	59	27	5			0	UNL	12		19	17	08	62	32	7		10	60	10		25	21	11	55	36	7		
07	0	UNL	12		16	14	06	64	28	5			0	UNL	12		17	15	09	71	34	8		10	45	10		25	21	11	55	01	9		
10	0	UNL	12		23	19	07	50	34	12			5	UNL	12		23	19	08	52	01	14		8	250	10		29	25	15	56	01	9		
13	0	UNL	12		29	23	08	41	30	15			9	UNL	12		31	24	06	35	01	10		8	UNL	10		37	31	19	48	02	11		
16	0	UNL	12		33	26	09	36	33	15			10	250	12		31	24	05	33	03	7		7	250	10		40	30	08	26	05	7		
19	0	UNL	12		27	22	08	44	34	8			10	250	12		30	24	07	38	02	7		10	250	10		36	28	11	35	03	6		
22	0	UNL	12		25	21	07	46	34	12			10	250	12		29	24	09	43	05	6		10	250	10		34	28	15	46	02	8		
DAY 20																																			
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RICHMOND VA

83 01

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES				RESULTANT WIND		
			TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
			AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	6	29.92	35	33	29	79	7.4	33	3.9
04	6	29.91	34	32	29	82	6.9	33	3.9
07	5	29.94	32	31	28	86	6.2	33	3.1
10	6	29.97	37	34	30	77	9.6	35	4.9
13	6	29.91	43	38	30	64	10.0	32	5.0
16	6	29.89	45	39	29	59	10.2	31	3.3
19	6	29.91	40	36	29	68	8.0	33	3.1
22	6	29.93	36	34	29	75	7.2	32	2.1

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

JAN 1983 13740  
RICHMOND, VIRGINIA

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	
1																									1
2								T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	2
3	.03	.02	.03	.03	T																				3
4																									4
5					T	.02	.03	T	.01	T	T	T	.01	.07	.07	.11	.02	.01	T						5
6																									6
7																									7
8																									8
9																								T	9
10			T	T	T	T	T	T	T	.03	.03	.05	.02	.03	.03	.01	.02	T	T	T	T	T	T	T	10
11																								T	11
12			T	T	T																			T	12
13																									13
14																									14
15	T	T	.03	.02	.01	.01				T	.01	.03	.01											T	15
16																									16
17																								T	17
18																								T	18
19																									19
20																									20
21																									21
22										T	.02	.07	.05	.03	.01	.01	.01	.04	.03	.03	T	.07	.06	.07	22
23	.04	.08	.05	.02	.01	.01	.01			T	.02	T	T											T	23
24	.01																								24
25																									25
26																									26
27																									27
28	T	T											T											T	28
29																									29
30																									30
31																									31

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	00.06	00.08	00.09	00.09	00.10	00.11	00.13	00.15	00.16	00.16	00.18	00.23
ENDED: DATE	23	23	23	23	23	23	23	23	23	23	23	23
ENDED: TIME	0129	0134	0139	0139	0139	0209	0224	0244	0244	0244	0244	0244

THE PRECIPITATION AMOUNTS FOR THE INDICATED TIME INTERVALS MAY OCCUR AT ANY TIME DURING THE MONTH. THE TIME INDICATED IS THE ENDING TIME OF THE INTERVAL. DATE AND TIME ARE NOT ENTERED FOR TRACE AMOUNTS.

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