

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary



NATIONAL WEATHER SERVICE OFC

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

SEP 1983  
 RICHMOND, VIRGINIA

DATE	TEMPERATURE OF					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)				
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING (SEASON BEGINS WITH JUL)	COOLING (SEASON BEGINS WITH JAN)			WATER EQUIVALENT (INCHES)	SNOW, ICE PELLETS (INCHES)		RESULTANT DIR.	RESULTANT SPEED	AVERAGE SPEED	FASTEST MILE	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MTONIGHT TO MIDNIGHT	DATE	
1	83	64	74	0	67	0	9	1	0	0	0	29.78	36	6.2	7.3	12	NE	706	91	7	8	1
2	79	64	72	-2	67	0	7	2	0	0	0	29.85	04	6.1	6.6	12	NE	441	57	10	10	2
3	89	66	78	4	63	0	13	1	0	0	0	29.81	35	3.9	6.8	11	N	660	85	7	6	3
4	91	68	80	6	71	0	15	1 3	0	.03	0	29.86	18	3.7	6.5	12	SW	298	99	9	7	4
5	95	71	83	9	71	0	18	1	0	0	0	29.77	22	7.7	8.5	17	SW	712	92	4	3	5
6	97	71	84	11	69	0	19	0	0	0	0	29.71	21	6.9	7.9	13	SW	736	96	2	1	6
7	97	72	85*	12	67	0	20	0	0	T	0	29.73	29	4.7	8.6	14	N	678	89	3	4	7
8	87	63	75	2	58	0	10	0	0	0	0	29.91	36	7.2	9.2	14	N	763	100	9	6	8
9	90	57	74	2	61	0	9	1	0	0	0	29.94	18	1.9	4.0	10	SE	761	100	0	0	9
10	96	66	81	9	60	0	16	1	0	0	0	29.84	21	2.2	6.0	10	NW	758	100	0	0	10
11	100*	61	81	9	57	0	16	1	0	0	0	29.76	23	2.2	4.3	13	SW	742	98	0	0	11
12	97	66	82	10	66	0	17	1 3	0	.10	0	29.71	20	4.4	7.9	23	SW	558	74	4	4	12
13	78	61	70	-1	68	0	5	1	0	.34	0	29.79	36	8.0	8.5	19	N	222	30	10	10	13
14	64	57	61	-10	60	4	0	1	0	.31	0	29.84	36	11.8	11.9	17	N	0	0	10	9	14
15	73	52	63	-8	52	2	0	0	0	0	0	30.02	03	7.7	9.2	16	N	742	99	1	2	15
16	76	50	63	-7	54	2	0	0	0	0	0	29.99	09	2.6	5.8	11	E	744	100	8	5	16
17	86	57	72	2	61	0	7	0	0	0	0	29.84	21	7.6	8.9	14	SW	505	68	4	3	17
18	85	54	70	0	57	0	5	0	0	0	0	29.94	18	8.8	6.3	11	S	740	100	0	0	18
19	92	56	74	5	60	0	9	1	0	0	0	29.98	17	6.6	7.6	15	S	732	99	2	1	19
20	91	63	77	8	64	0	12	1	0	0	0	29.93	17	8.8	9.1	17	SW	735	100	3	3	20
21	75	55	65	-4	68	0	0	1 3	0	.92	0	29.70	17	5.0	13.4	23	N	21	3	10	10	21
22	65	45	55	-13	44	10	0	0	0	T	0	29.87	32	9.0	10.2	17	N	675	92	2	3	22
23	67	37*	52*	-16	41	13	0	0	0	.02	0	30.10	30	2.3	5.3	17	N	576	79	4	4	23
24	66	40	53	-14	42	12	0	0	0	0	0	30.30	01	6.6	7.5	13	N	726	100	0	0	24
25	68	39	54	-13	44	11	0	0	0	0	0	30.26	05	2.6	5.0	10	NE	723	100	0	0	25
26	70	43	57	-10	48	8	0	0	0	0	0	30.12	01	5.0	5.5	12	NE	549	76	8	5	26
27	75	46	61	-5	52	4	0	0	0	0	0	30.03	35	6.5	7.5	15	NE	718	100	3	3	27
28	71	52	62	-4	58	3	0	1	0	T	0	30.04	01	9.7	10.6	17	NE	439	61	9	8	28
29	65	51	58	-7	53	7	0	1	0	.03	0	30.04	35	13.2	13.4	21	NE	287	40	10	9	29
30	59	51	55	-10	55	10	0	1	0	1.30	0	29.90	30	5.4	9.2	17	N	0	0	10	10	30
SUM	SUM					TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:			TOTAL	%	SUM	SUM				
2427	1698					86	207			3.05	0	29.91	34	1.8	7.9	23	N	16947	FOR	149	134	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	DEP.	PRECIPITATION		DEP.							DATE: 21+	POSSIBLE	MONTH	AVG.	AVG.	
80.9	56.6	68.8	-1.4	59	62	27	27	> .01 INCH		8	-0.47							22363	76	5.0	4.5	
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.		MINIMUM TEMP.				87	1520	THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS										
> 90°		< 32°		< 0°		DEP.	DEP.	HEAVY FOG		1		1.33		29-30		0						
10		0		0		63	207	CLEAR		13		PARTLY CLOUDY		6		CLOUDY 11						

\* 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. Roy Hout*

**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

SEP 1983 13740  
RICHMOND, VIRGINIA

HOUR	L.S.T.	VISI-BILITY				TEMPERATURE				WIND				SKY COVER (TENTHS)	VISI-BILITY				TEMPERATURE				WIND										
		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)									
DAY 01																																	
01	10	40	5		FH	67	67	67	100	36	7	10	UNL	5		F	66	66	66	100	00	0	9	250	6		H	68	67	66	93	35	6
04	10	40	4		F	66	66	66	100	33	6	7	UNL	3		F	65	65	65	100	00	0	10	250	6		F	67	66	66	97	33	8
07	7	UNL	2		F	66	66	66	100	34	7	10	UNL	0	8	F	65	65	65	100	03	6	10	120	5		F	67	66	65	93	34	8
10	2	UNL	5		H	75	72	70	85	32	6	10	120	2		F	74	72	71	90	06	9	7	UNL	8		F	79	68	61	54	02	5
13	7	250	7			82	72	67	61	36	7	10	120	6		H	78	71	67	69	07	10	10	UNL	15			85	68	58	40	33	5
16	10	250	7			82	71	66	58	03	11	10	120	7		H	76	71	68	76	03	10	6	UNL	15			88	68	56	34	28	5
19	8	UNL	7			76	70	67	74	06	7	10	120	6		H	73	70	68	84	03	5	2	UNL	15			78	68	63	60	11	6
22	8	UNL	6		H	68	67	67	97	00	0	10	120	6		H	69	68	67	93	36	6	0	UNL	15			71	68	67	87	11	4
DAY 02																																	
DAY 03																																	
DAY 04																																	
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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
- SW 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: 1, 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).



HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

SEP 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																								2	
3																								3	
4																								4	
5																								5	
6																								6	
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9																								9	
10																								10	
11																								11	
12																								12	
13																								13	
14	.02	.02	.01	.02	.03	.06	.03	.05	T	T	T	T							.02	.08	.13	.05	.06	14	
15																								15	
16																								16	
17																								17	
18																								18	
19																								19	
20																								20	
21				T				T	T			.03	.01	.05	.03	.01	T		.64	.08	.06	.01	T	T	21
22	T																								22
23																				T	.02	T			23
24																									24
25																									25
26																									26
27																									27
28																									28
29																									29
30	.29	.17	.05	.09	.38	.26	.02	.01	T		.01	.01	.01	T	T								T	.03	30

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	00.30	00.50	00.55	00.60	00.64	00.65	00.66	00.71	00.73	00.76	00.78	00.79
ENDED: DATE	21	21	21	21	21	21	21	21	21	21	21	21
ENDED: TIME	1840	1845	1850	1855	1900	1910	1930	1950	2010	2030	2100	2130

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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