

# 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

DEC 1982  
 RICHMOND, VIRGINIA

DATE	TEMPERATURE °F					DEGREE DAYS BASE 65°F		WEATHER TYPES 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 INCHES	PRECIPITATION		AVERAGE STATION PRESSURE IN INCHES ELEV. FEET ABOVE M.S.L.	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	MIDNIGHT TO MIDNIGHT	DATE
1	59	51	55	12	54	10	0	1	0	.38	0	30.04	20	4.4	5.9	0	0	10	10	1	
2	61	56	59	16	57	6	0	2	0	T	0	30.17	17	1.4	3.9	0	0	10	10	2	
3	65	53	59	17	57	6	0	2	8	0	0	30.15	17	8.1	8.6	190	33	10	10	3	
4	77	60	69*	27	62	0	4	1	0	T	0	29.94	20	10.7	11.5	411	70	9	8	4	
5	77*	59	68	26	63	0	3	1	0	0	0	29.82	16	10.9	11.4	192	33	9	9	5	
6	72	51	62	21	58	3	0	1 3	0	.17	0	29.77	20	10.2	13.1	206	35	10	9	6	
7	56	37	47	6	35	18	0	0	0	0	0	30.25	33	7.6	8.2	571	98	2	2	7	
8	57	33	45	5	34	20	0	0	0	0	0	30.38	35	3.6	4.5	580	100	0	0	8	
9	49	30	40	0	29	25	0	0	0	0	0	30.23	33	9.2	12.2	427	74	4	3	9	
10	42	23	33	-7	23	32	0	0	0	T	0	30.18	23	1.7	6.2	473	82	9	7	10	
11	46	35	41	-1	40	24	0	1	0	.35	T	29.85	34	1.8	10.4	0	0	10	10	11	
12	35	20	28	-11	27	37	0	1	4	.77	6.1	29.80	34	11.2	11.7	72	12	9	7	12	
13	31	15*	23*	-16	17	42	0	0	5	0	0	30.17	31	4.0	5.6	577	100	0	0	13	
14	37	16	27	-12	22	38	0	0	5	0	0	30.26	23	4.7	6.6	576	100	3	1	14	
15	52	28	40	1	34	25	0	1	8	.01	4	30.12	22	4.8	5.6	239	41	9	7	15	
16	66	40	53	15	50	12	0	1	0	.79	0	29.76	26	6.4	14.2	298	52	8	6	16	
17	44	31	38	0	29	27	0	0	0	0	0	29.91	32	13.0	13.1	256	45	9	5	17	
18	39	27	33	-5	21	32	0	0	0	0	0	30.01	33	9.1	9.2	529	92	2	2	18	
19	40	23	32	-6	29	33	0	1	8	.22	1.8	29.79	24	3.3	3.7	275	48	7	7	19	
20	45	33	39	1	31	26	0	1	0	0	1	29.61	26	10.4	10.5	500	87	7	7	20	
21	46	30	38	0	24	27	0	0	0	0	0	29.85	28	8.1	8.6	574	100	0	1	21	
22	46	26	36	-2	26	29	0	0	0	0	0	30.13	20	2.0	3.5	574	100	0	1	22	
23	55	30	43	6	36	22	0	0	0	0	0	30.11	18	8.5	8.8	215	37	10	7	23	
24	64	41	53	16	48	12	0	2	0	0	0	30.14	15	6.1	6.5	305	53	7	6	24	
25	72	51	62	25	57	3	0	1	8	0	0	30.15	18	11.6	11.8	304	53	9	6	25	
26	74	56	65	28	56	0	0	0	0	T	0	30.05	21	6.5	12.8	330	57	9	8	26	
27	56	49	53	16	45	12	0	1	0	0	0	30.19	06	5.3	6.9	0	0	10	10	27	
28	70	49	60	23	57	5	0	2	0	T	0	29.88	17	12.0	12.2	66	11	10	10	28	
29	67	46	57	20	55	8	0	1	0	.50	0	29.76	25	1.7	9.4	0	0	10	10	29	
30	46	37	42	5	28	23	0	0	0	0	0	30.16	03	8.3	8.6	0	0	10	10	30	
31	40	34	37	0	34	28	0	1 4	0	.18	T	30.12	34	6.0	7.5	0	0	10	10	31	
SUM	SUM					TOTAL	TOTAL			TOTAL	TOTAL	FOR THE MONTH:					TOTAL	%	SUM	SUM	
1686	1170					585	7			3.37	7.9	30.02	24	2.3	8.8		8740	FOR	222	199	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.					DEP.						DATE:	POSSIBLE	MONTH	AVG.	AVG.	
54.4	37.7	46.1	7.1	40	-221		7			0.15						17905	49	7.2	6.4		
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.		1213	1424	THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS											
> 90°	< 32°	< 32°	< 0°	DEP.	DEP.	HEAVY FOG															
0	1	12	0	-297	71	CLEAR 7		PARTLY CLOUDY 4		CLOUDY 20											

\* 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 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 CENTER, ASHEVILLE, NORTH CAROLINA, 28801.

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ACTING DIRECTOR  
 NATIONAL CLIMATIC CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

DEC 1982 13740  
RICHMOND, VIRGINIA

HOUR	L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISI-BILITY	WHOLE MILES	16THS MILE	WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISI-BILITY	WHOLE MILES	16THS MILE	WEATHER	TEMPERATURE				WIND												
								AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)							AIR OF	NET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)											
DAY 01																																				
01	10	30	8					53	50	48	83	19	7	10	1	0	8	F	57	57	57	100	35	5	10	0	0	2	LF	56	55	55	96	17	4	
04	10	30	7				R	53	51	49	86	17	4	10	1	0	4	LF	57	57	57	100	00	0	10	0	10	2	1	F	53	53	53	100	16	6
07	10	22	2				RF	52	52	52	100	18	6	10	2	0	8	F	56	56	56	100	05	3	10	2	1	F	54	53	53	96	16	9		
10	10	3	2				RF	53	53	53	100	19	4	10	2	0	8	F	56	56	56	100	16	5	10	2	1	F	55	54	54	96	19	11		
13	10	5	1				F	56	56	56	100	13	3	10	4	2	F	60	58	57	90	21	4	10	7	2	F	61	59	58	90	18	6			
16	10	10	2				F	58	58	58	100	20	6	10	5	2	F	60	58	57	90	19	4	10	19	4	H	63	61	60	90	12	6			
19	10	6	4				F	58	58	58	100	21	5	10	5	2	F	59	58	57	93	20	3	10	3	1	FH	59	59	59	100	16	6			
22	10	6	4				F	59	59	59	100	30	6	10	4	2	F	58	57	56	93	12	3	10	2	1	F	60	60	60	100	18	10			
DAY 02																																				
DAY 03																																				
DAY 04																																				
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DAY 18																																				

WEATHER CODES

- \* TORNADO
- 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: I.E., 09 FOR EAST, 18 FOR SOUTH, 27 FOR WEST. AN ENTRY OF 00 INDICATES CALM  
 SPEED: THE FASTEST OBSERVED AVERAGE ONE-MINUTE VALUE, EXPRESSED IN KNOTS (MPH=KNOTS X 1.15).



HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

DEC 1982 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				.04	.09	.08	.10	T	.01	.06	T													1	
2	T	T	T	T	T																			2	
3																								3	
4	T	T	T	T	T																			4	
5																								5	
6	T	T				.04	.05	.08	T															6	
7																								7	
8																								8	
9																								9	
10																								10	
11			T	T	T	T	.01	.02	.04	.03	.06	.02	.04	T	T	.03	.03	T	T	T	T	T	.01	.06	11
12	.07	.12	.12	.14	.08	.09	.07	.03	.04	.01	T	T	T	T											12
13																									13
14																									14
15																			T	T	T	.01	T		15
16			T	.02	.03	.05	.05	.58	.06	T															16
17																									17
18																									18
19														T	.04	.07	.06	.03	T	.02					19
20																									20
21																									21
22																									22
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24																									24
25																									25
26												T													26
27																									27
28			T	T	T	T	T	T	T																28
29							.07	.03	T		.05	.14	.08	.08	.03	T	.01	.01	T						29
30																									30
31	.05	.04	.05	.02	.01	.01	T	T	T	T	T	T	T	T	T										31

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	00.28	00.52	00.56	00.57	00.60	00.62	00.64	00.65	00.65	00.66	00.66	00.67
ENDED: DATE	16	16	16	16	16	16	16	16	16	16	16	16
ENDED: TIME	0745	0745	0750	0755	0805	0815	0830	0845	0845	0845	0845	0845

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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