

# LOCAL CLIMATOLOGICAL DATA Monthly Summary



NATIONAL WEATHER SERVICE OFC

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

AUG 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. 177 FEET ABOVE M.S.L.	WIND (M.P.H.)			SUNSHINE MINUTES	SKY COVER (TENTHS)									
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT			HEATING ISEASON BEGINS WITH JUL	COOLING ISEASON BEGINS WITH JAN		WATER EQUIVALENT (INCHES)	SNOW, ICE PELLETS (INCHES)	RESULTANT DIR.			RESULTANT SPEED	AVERAGE SPEED	FASTEST MILE						
1	2	3	4	5	6	7A	7B	10	11	12	13	14	15	16	17	18	19	20	21	22				
1	87	72	80	-2	69	0	15	1	8	0	0	0	29.76	33	4.0	5.0	9	N	818	97	3	3	1	
2	87	66	77	-1	67	0	12	1	8	0	0	0	29.76	33	2.1	2.3	6	N	782	93	2	2	2	
3	86	68	77	-1	67	0	12	1	8	0	0	0	29.77	35	5.2	5.6	13	N	775	92	4	3	3	
4	89	68	79	1	70	0	14	1	8	0	0	0	29.83	19	1.4	2.6	6	SW	684	81	7	5	4	
5	90	72	81	3	74	0	16	1	8	0	0	0	29.86	16	4.9	5.0	10	S	546	65	10	9	5	
6	90	74	82*	4	74	0	17	1	3	8	0	.35	29.92	15	3.3	5.8	32	SE	509	61	8	8	6	
7	84	74	79	2	74	0	14	1	3	8	0	.05	29.95	03	4.8	5.8	8	N	455	55	10	10	7	
8	88	74	81	4	75	0	16	1	3	8	0	.57	29.84	14	4.9	6.2	14	S	544	65	10	10	8	
9	88	72	80	3	74	0	15	1	3	8	0	.27	29.77	22	8.7	9.1	25	W	503	61	9	10	9	
10	88	70	79	2	73	0	14	1	8	0	0	0	29.86	21	6.8	6.9	13	SW	677	82	7	7	10	
11	78	71	75	-2	72	0	10	1	3	8	0	.21	29.89	08	4.0	4.5	10	SE	161	19	10	10	11	
12	77	64	71	-6	65	0	6	1	8	0	0	.04	29.90	36	6.1	6.8	12	N	450	55	8	7	12	
13	80	61	71	-6	63	0	6	1	8	0	0	0	29.92	13	5	3.3	3	SE	683	83	5	3	13	
14	82	64	73	-4	66	0	8	1	8	0	0	.01	29.89	20	2.3	2.9	11	W	615	75	6	4	14	
15	84	68	76	-1	69	0	11	1	8	0	0	.45	29.90	16	3.3	4.5	7	E	562	69	7	8	15	
16	84	68	76	0	71	0	11	1	3	8	0	.41	29.90	16	4.4	5.0	10	SE	520	64	8	8	16	
17	89	68	79	3	70	0	14	1	3	8	0	0	29.83	22	3.9	6.8	21	SW	606	75	6	7	17	
18	82	65	74	-2	65	0	9	1	8	0	0	.02	29.87	01	3.2	5.8	11	SW	678	84	7	7	18	
19	84	63	74	-2	66	0	9	1	8	0	0	0	29.96	11	1.2	3.3	8	SE	809	100	1	2	19	
20	90	66	78	2	68	0	13	1	8	0	0	0	29.84	24	6.7	8.1	16	W	751	93	2	3	20	
21	85	64	75	-1	64	0	10	1	8	0	0	.04	29.74	35	5.4	7.1	19	NE	591	74	6	6	21	
22	79	59	69	-7	62	0	4	1	8	0	0	0	29.90	07	1.8	7.3	9	S	722	90	4	4	22	
23	84	66	75	0	71	0	10	1	8	0	0	.60	29.83	20	5.0	5.2	13	SW	452	57	10	10	23	
24	87	72	80	5	72	0	15	1	8	0	0	0	29.80	16	1.9	4.9	11	S	609	76	6	7	24	
25	90*	68	79	4	69	0	14	1	8	0	0	0	29.65	26	4.2	11.2	17	W	607	76	7	6	25	
26	81	59	70	-5	59	0	5	1	8	0	0	0	29.90	05	2.5	4.8	8	N	793	100	0	0	26	
27	82	60	71	-4	67	0	6	1	3	8	0	1.37	29.80	19	5.1	5.9	17	NW	528	67	9	7	27	
28	82	63	73	-2	65	0	8	1	8	0	0	0	29.86	36	7.3	8.9	17	N	618	78	6	4	28	
29	71	50	61*	-13	49	4	0	0	8	0	0	0	30.14	06	4.2	7.1	13	NE	786	100	1	1	29	
30	76	49*	63	-11	57	2	0	0	8	0	0	0	30.11	18	5.4	5.6	11	S	685	87	9	8	30	
31	82	65	74	0	66	0	9	1	8	0	0	0	30.02	20	7.1	7.6	16	SW	510	65	8	9	31	
SUM	SUM					TOTAL	TOTAL						TOTAL	TOTAL	FOR THE MONTH:			TOTAL	%	SUM	SUM			
2606	2043					6	323						4.39	0	29.87	20	8	5.8	32	SE	19029	FOR	196	188
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	PRECIPITATION						DEP.					DATE: 06	POSSIBLE	MONTH	AVG.	AVG.		
84.1	65.9	75.0	-1.3	67	6	-27	> .01 INCH. 13						-0.67						25250	75	6.3	6.1		
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		PRECIPITATION		SNOW, ICE PELLETS		SNOW, ICE PELLETS OR ICE AND DATE										
MAXIMUM TEMP.		MINIMUM TEMP.		DEP.		1204		THUNDERSTORMS		8		PRECIPITATION		SNOW, ICE PELLETS										
5 90°		2 32°		2 0°		6		HEAVY FOG		0		1.37		27		0								
4		0		0		6		49		CLEAR 6		PARTLY CLOUDY 13		CLOUDY 12										

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

*J. Ray Horst*

**noaa** NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / ENVIRONMENTAL DATA AND INFORMATION SERVICE / NATIONAL CLIMATIC CENTER / ASHEVILLE, NORTH CAROLINA

ACTING DIRECTOR  
 NATIONAL CLIMATIC CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

AUG 1982 13740  
RICHMOND, VIRGINIA

HOUR	L.S.T.	VISI-BILITY		WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY		WEATHER	TEMPERATURE				WIND	
		CEILING IN HUNDREDS OF FEET	WHOLE MILES		AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES		AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)
DAY 01																				
01	4	UNL	5	FH	75	74	74	97	26	4	0	UNL	7							
04	4	UNL	4	FH	72	71	71	97	31	4	0	UNL	7							
07	1	UNL	4	H	73	70	69	87	33	6	1	UNL	2	FH	69	68	67	93	00	
10	0	UNL	6	H	80	72	68	67	35	7	0	UNL	6	H	81	71	66	60	32	
13	4	UNL	6	H	85	72	66	53	32	6	3	UNL	7	H	86	73	66	51	36	
16	6	35	6	H	85	72	66	53	31	4	4	UNL	7	H	85	72	65	51	31	
19	8	250	6	H	81	73	70	69	05	4	0	UNL	5	H	81	73	69	67	00	
22	0	UNL	6	H	74	71	69	84	00	0	2	UNL	5	H	74	71	70	87	00	
DAY 02																				
DAY 03																				
DAY 04																				
DAY 05																				
DAY 06																				
DAY 07																				
DAY 08																				
DAY 09																				
DAY 10																				
DAY 11																				
DAY 12																				
DAY 13																				
DAY 14																				
DAY 15																				
DAY 16																				
DAY 17																				
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).

OBSERVATIONS AT 3-HOUR INTERVALS

AUG 1982 13740  
RICHMOND, VIRGINIA

HOUR L.S.T.	VISIBILITY			WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	VISIBILITY			WEATHER	TEMPERATURE				WIND																																													
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES		16THS MILE	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	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	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																
DAY 19																						DAY 20																						DAY 21																					
01	6	UNL	6	H	67	66	65	93	00	0	0	UNL	7	H	68	67	66	93	17	2	10	100	7	DAY 21	77	70	66	69	26	6																																			
04	3	UNL	5	FH	65	64	63	93	00	0	0	UNL	6	H	67	66	65	93	18	5	10	80	7	RM	74	69	66	76	29	6																																			
07	0	UNL	3	F	66	65	65	97	35	5	0	UNL	4	H	69	68	67	93	21	5	10	80	3	F	71	70	69	93	00	0																																			
10	1	UNL	8		79	70	65	62	36	3	0	UNL	4	H	82	76	73	74	23	11	8	50	4	H	75	70	68	79	36	6																																			
13	1	UNL	15		83	71	65	55	13	6	2	UNL	12		89	74	67	48	29	12	3	UNL	12			83	69	61	48	01	8																																		
16	8	35	15		82	71	65	56	12	3	6	250	12		89	74	67	48	25	11	3	UNL	12			83	69	61	48	01	10																																		
19	0	UNL	7		78	72	69	74	17	3	8	250	10		82	73	69	65	22	4	3	UNL	12			70	63	59	68	02	8																																		
22	0	UNL	7		71	68	67	87	17	3	10	250	7		77	72	69	76	23	6	2	UNL	12			66	62	60	81	36	5																																		
DAY 22																						DAY 23																						DAY 24																					
01	0	UNL	12		63	61	60	90	35	4	8	250	7		67	66	65	93	18	4	10	60	5	H	75	72	70	85	21	4																																			
04	0	UNL	12		61	60	59	93	35	8	10	25	7		68	67	67	97	19	3	10	55	5	RH	73	71	70	90	30	4																																			
07	4	UNL	15		61	59	57	87	01	10	10	25	2	8	RWF	69	68	68	97	00	0	10	80	2	FH	74	72	71	90	00	0																																		
10	0	UNL	15		71	65	61	71	07	7	10	20	2		F	75	74	73	94	22	5	5	UNL	2	8	H	81	74	71	72	06	7																																	
13	4	UNL	15		78	69	64	62	20	5	10	100	2		FH	81	77	75	82	20	5	4	UNL	3	H	84	76	73	70	24	3																																		
16	8	UNL	15		78	68	63	60	17	6	8	100	3		H	84	77	74	72	20	9	4	UNL	3	H	85	77	73	67	19	5																																		
19	8	40	12		75	69	65	71	14	4	10	80	3		H	79	76	75	88	17	4	8	UNL	3	H	81	76	74	79	14	6																																		
22	10	40	12		68	65	64	87	15	7	10	60	3		H	76	73	71	85	22	6	10	60	5	H	76	73	71	85	13	5																																		
DAY 25																						DAY 26																						DAY 27																					
01	10	250	5		74	72	71	90	15	7	0	UNL	15		66	61	58	76	34	5	0	UNL	15			62	60	59	90	17	4																																		
04	4	UNL	5	F	74	73	72	94	17	6	0	UNL	15		61	58	56	84	34	5	0	UNL	15			61	60	60	97	00	0																																		
07	10	50	5	F	75	74	73	94	20	9	0	UNL	15		63	60	58	84	00	0	7	UNL	10			63	62	62	97	15	4																																		
10	10	100	6	H	83	77	75	77	24	15	0	UNL	15		74	65	59	60	06	8	10	250	15			76	71	68	76	19	10																																		
13	9	250	7		88	78	74	63	26	14	0	UNL	20		78	66	58	50	03	3	10	30	10			80	73	70	72	23	11																																		
16	3	UNL	7		90	73	64	42	33	12	3	UNL	20		81	67	59	47	06	4	10	80	7			80	75	73	79	20	8																																		
19	1	UNL	12		81	70	65	58	36	8	1	UNL	20		74	68	64	71	17	4	10	40	5		FH	77	74	72	85	13	4																																		
22	0	UNL	15		72	64	59	64	02	7	0	UNL	15		65	63	61	87	12	4	10	4	1		RWF	72	71	71	97	00	0																																		
DAY 28																						DAY 29																						DAY 30																					
01	5	UNL	2	8	70	70	70	100	29	7	0	UNL	15		61	53	45	56	01	9	4	UNL	15			52	51	50	93	21	3																																		
04	1	UNL	2	8	68	68	68	100	33	6	4	UNL	15		53	50	47	80	35	6	2	UNL	8			50	49	49	96	00	0																																		
07	7	UNL	3	8	67	66	66	97	35	8	0	UNL	15		54	50	46	75	03	6	5	UNL	8			53	52	52	96	14	3																																		
10	8	UNL	5	H	76	70	67	74	35	7	0	UNL	15		63	55	48	58	04	8	10	250	15			68	61	57	68	19	11																																		
13	7	UNL	6	H	79	72	68	69	04	8	0	UNL	20		68	57	49	51	10	8	10	250	15			74	65	59	60	18	7																																		
16	6	40	6	H	80	71	66	62	33	6	3	UNL	20		71	59	49	46	12	5	10	250	15			74	66	62	66	18	7																																		
19	6	30	5	H	75	69	65	71	05	8	1	UNL	20		64	58	53	68	17	3	10	40	15			70	66	64	81	17	4																																		
22	0	UNL	15		67	57	48	51	36	12	0	UNL	20		54	52	51	90	14	4	10	80	10			67	64	63	87	17	4																																		
DAY 31																																																																	
01	10	25	7		66	65	64	93	17	4																																																							
04	10	30	7		66	65	64	93	15	5																																																							
07	8	UNL	6	H	67	65	64	90	21	7																																																							
10	6	UNL	8		76	70	67	74	21	8																																																							
13	10	100	7		81	73	69	67	22	10																																																							
16	7	UNL	7		81	72	68	65	21	9																																																							
19	10	50	7		76	70	67	74	20	5																																																							
22	10	40	7		74	69	66	76	21	5																																																							

RICHMOND VA

82 08

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES				RESULTANT WIND		
			TEMPERATURE			WIND SPEED (MPH)	DIRECTION	SPEED (MPH)	
			AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	6	29.87	69	68	67	91	4.3	20	1.2
04	6	29.86	68	66	66	93	4.2	28	.6
07	6	29.89	69	67	66	93	5.0	28	.7
10	6	29.90	77	71	68	76	7.8	25	1.4
13	7	29.87	82	73	69	64	8.0	22	1.6
16	7	29.84	82	73	68	64	7.7	19	1.3
19	6	29.85	77	72	69	76	5.4	13	1.8
22	6	29.88	72	69	67	86	4.3	14	1.4

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

AUG 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																								1	
2																									2
3																									3
4																									4
5				T																					5
6																									6
7		T	.04	.01				T	T						.05	.04	.13	.13	T	T				T	7
8																									8
9	.03	.06	T	T											T	T		T	T	.25	.20	.10	.02		9
10																			.01	.04	.09	.03	.01		10
11												T											.16	.03	11
12	.01	.02	.01	T									.01	T	T	.01									12
13																									13
14															.01										14
15					.01	.29	.11	.04																	15
16						.23	.02	.06	.10	T															16
17																									17
18	.01	T	.01	T															T	T			T		18
19																									19
20																									20
21			T	T	.04	T		T	T																21
22																									22
23					.02	.04	.24	.30	T			T	T												23
24			T	T	T																				24
25		T	T																						25
26																									26
27																									27
28																									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)	00.22	00.43	00.49	00.69	00.98	01.13	01.27	01.32	01.35	01.35	01.37	01.37
ENDED: DATE	23	27	27	27	27	27	27	27	27	27	27	27
ENDED: TIME	0701	2110	2115	2129	2130	2145	2145	2202	2245	2245	2314	2314

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.

SUBSCRIPTION PRICE AND ORDERING INFORMATION AVAILABLE FROM:  
 THE NATIONAL CLIMATIC CENTER, FEDERAL BUILDING, ASHEVILLE N.C. 28801  
 ATTN: PUBLICATIONS

RICHMOND, VIRGINIA  
 USCOMM - NOAA - ASHEVILLE, NC 550

U.S. DEPARTMENT OF COMMERCE  
 NATIONAL CLIMATIC CENTER  
 FEDERAL BUILDING  
 ASHEVILLE, N.C. 28801

AN EQUAL OPPORTUNITY EMPLOYER

POSTAGE AND FEES PAID  
 U.S. DEPARTMENT OF COMMERCE  
**COM 210**



**FIRST CLASS**